

## 5

## MAPPE E TABELLE DI MORTALITÀ PER LIVELLO DI ISTRUZIONE

### MORTALITY MAPS AND TABLES BY EDUCATION LEVEL

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| <p><b>1 Tutte le cause /</b><br/>All causes of death</p> <p><b>2 Malattie del sistema circolatorio /</b> Diseases of the circulatory system</p> <p><b>3 Malattie ischemiche del cuore /</b> Ischaemic heart diseases</p> <p><b>4 Malattie cerebrovascolari /</b> Cerebrovascular diseases</p> <p><b>5 Tumori maligni /</b> All malignant neoplasms</p> <p><b>6 Tumori maligni dello stomaco /</b> Malignant neoplasms of stomach</p> <p><b>7 Tumori maligni del colon, del retto e dell'ano /</b> Malignant neoplasms of colon, rectum, and anus</p> <p><b>8 Tumori maligni del fegato e dei dotti biliari intraepatici /</b> Malignant neoplasms of liver and intrahepatic bile ducts</p> <p><b>9 Tumori maligni del pancreas /</b> Malignant neoplasms of pancreas</p> <p><b>10 Tumori maligni della trachea, dei bronchi e dei polmoni /</b> Malignant neoplasms of trachea, bronchus, and lung</p> <p><b>11 Tumori maligni della prostata /</b> Malignant neoplasms of prostate</p> <p><b>12 Tumori maligni della mammella /</b> Malignant neoplasms of breast</p> | <p><b>13 Tumori maligni della vescica /</b> Malignant neoplasms of bladder</p> <p><b>14 Tumori maligni dell'utero /</b> Malignant neoplasms of uterus</p> <p><b>15 Tumori maligni dell'ovaio /</b> Malignant neoplasms of ovary</p> <p><b>16 Morbo di Hodgkin e linfomi /</b> Hodgkin's disease and lymphomas</p> <p><b>17 Leucemie /</b> Leukaemias</p> <p><b>18 Tumori maligni del cervello e del sistema nervoso centrale /</b> Malignant neoplasms of brain and central nervous system</p> <p><b>19 Tumori maligni delle vie aeree e digestive superiori /</b> Malignant neoplasms of upper respiratory and digestive tract</p> <p><b>20 Malattie del sistema respiratorio /</b> Diseases of the respiratory system</p> <p><b>21 Malattie croniche delle basse vie respiratorie /</b> Chronic lower respiratory diseases</p> <p><b>22 Polmonite /</b> Pneumonia</p> <p><b>23 Malattie dell'apparato genitourinario /</b> Diseases of the genitourinary system</p> <p><b>24 Malattie del rene e dell'uretere /</b> Diseases of kidney and urethra</p> | <p><b>25 Malattie del sistema osteomuscolare e del tessuto connettivo /</b> Diseases of the musculoskeletal system and connective tissue</p> <p><b>26 Malattie del sangue e degli organi ematopoietici e alcuni disturbi del sistema immunitario</b><br/>Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism</p> <p><b>27 Diabete mellito /</b> Diabetes mellitus</p> <p><b>28 Demenza /</b> Organic dementia</p> <p><b>29 Morbo di Parkinson /</b> Parkinson's disease</p> <p><b>30 Malattia di Alzheimer /</b> Alzheimer's disease</p> <p><b>31 Cirrosi, fibrosi ed epatite cronica /</b> Fibrosis and cirrhosis of liver and chronic hepatitis</p> <p><b>32 Accidenti /</b> Accidents</p> <p><b>33 Accidenti da trasporto /</b> Transport accidents</p> <p><b>34 Cadute accidentali /</b> Accidental falls</p> <p><b>35 Suicidio e autolesione intenzionale /</b> Suicide and intentional self-harm</p> |
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## TUTTE LE CAUSE

### ALL CAUSES OF DEATH

**SMR.** Il 20% delle province presenta un eccesso di mortalità superiore al 5% con la presenza di cluster in tutte le ripartizioni geografiche del Paese: nel Nord-Ovest in Piemonte e in parte della Lombardia occidentale; al Centro nel Lazio, e in modo più generalizzato al Sud (ad eccezione di Puglia e Basilicata), con distribuzione a macchia di leopardo. Si registra un gradiente crescente da Est a Ovest e una zona con mortalità più elevata nelle province attraversate dal Po e dal Tevere. Questi pattern si osservano senza differenze di rilievo tra **UOMINI** e **DONNE**.

**PAF. UOMINI:** presentano valori tra 15-25% in tutto il Paese, eccetto in Emilia-Romagna, Marche, Umbria, Calabria (5-15%). Il valore è superiore al 25% in Valle d'Aosta, anche se occorre considerare l'incertezza della stima calcolata su un numero esiguo di eventi.

**DONNE:** presentano PAF mediamente più bassi degli uomini, con un rischio attribuibile a un più basso livello di istruzione sempre inferiore al 15% e compreso tra 15-25% solo in Liguria e nel Mezzogiorno (Calabria e Sardegna escluse).

2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x 10.000 (95%CI)	MMR (95%CI)	RATE x 10.000
Piemonte	High	9 574	818 021	108.0 (105.8-110.3)	1	2 362
	Medium	13 616	1 580 984	127.1 (124.9-129.3)	1.18 (1.15-1.21)	2 978
	Low	35 882	2 065 138	146.1 (144.5-147.6)	1.35 (1.32-1.38)	3 894
Valle d'Aosta	High	228	23 025	96.4 (84.1-110.4)	1	2 339
	Medium	341	43 054	126.5 (112.7-141.9)	1.31 (1.10-1.57)	3 366
	Low	989	63 600	146.7 (137.7-156.3)	1.52 (1.31-1.77)	3 850
Lombardia	High	19 306	1 923 344	99.2 (97.8-100.7)	1	2 132
	Medium	24 695	3 478 639	120.5 (118.9-122.1)	1.21 (1.19-1.24)	2 840
	Low	64 389	4 387 573	142.0 (140.9-143.2)	1.43 (1.41-1.46)	3 667
Bolzano	High	861	86 156	91.7 (85.6-98.3)	1	1 973
	Medium	1 020	187 921	105.5 (98.8-112.7)	1.15 (1.05-1.27)	2 626
	Low	2 768	208 018	126.5 (121.8-131.4)	1.38 (1.27-1.49)	3 480
Trento	High	972	101 157	97.8 (91.6-104.5)	1	2 142
	Medium	1 285	210 020	114.8 (108.3-121.6)	1.17 (1.07-1.28)	2 863
	Low	3 239	202 879	135.0 (130.4-139.8)	1.38 (1.28-1.49)	3 439
Veneto	High	8 018	840 505	100.8 (98.5-103.1)	1	2 187
	Medium	10 643	1 783 406	118.2 (115.7-120.6)	1.17 (1.14-1.21)	2 829
	Low	36 263	2 275 576	141.7 (140.2-143.2)	1.41 (1.37-1.44)	3 685
Friuli Venezia Giulia	High	3 060	256 926	107.1 (103.2-111.1)	1	2 403
	Medium	4 577	518 112	131.4 (127.5-135.4)	1.23 (1.17-1.29)	3 209
	Low	8 444	482 532	148.9 (145.7-152.2)	1.39 (1.33-1.45)	4 229
Liguria	High	5 089	359 649	107.7 (104.7-110.7)	1	2 393
	Medium	6 086	602 274	127.1 (123.9-130.4)	1.18 (1.14-1.23)	3 024
	Low	12 858	644 480	149.5 (146.8-152.3)	1.39 (1.34-1.44)	4 048
Emilia-Romagna	High	8 776	864 484	104.6 (102.3-106.9)	1	2 345
	Medium	10 694	1 582 791	117.2 (114.8-119.5)	1.12 (1.09-1.15)	2 821
	Low	35 246	1 982 289	133.1 (131.6-134.5)	1.27 (1.24-1.30)	3 497
Toscana	High	7 490	710 841	100.6 (98.2-102.9)	1	2 199
	Medium	9 167	1 249 632	115.8 (113.3-118.3)	1.15 (1.12-1.19)	2 710
	Low	30 816	1 772 636	133.5 (131.9-135.0)	1.33 (1.29-1.36)	3 503
Umbria	High	1 886	180 175	107.8 (102.8-113.0)	1	2 512
	Medium	2 150	342 532	113.0 (108.0-118.3)	1.05 (0.98-1.12)	2 770
	Low	7 340	360 932	130.0 (126.9-133.3)	1.21 (1.14-1.27)	3 560
Marche	High	2 879	287 273	105.4 (101.5-109.5)	1	2 405
	Medium	3 473	538 873	120.6 (116.4-125.0)	1.14 (1.09-1.21)	2 883
	Low	13 206	720 635	127.1 (124.9-129.4)	1.21 (1.16-1.26)	3 219
Lazio	High	14 689	1 358 451	104.5 (102.8-106.3)	1	2 342
	Medium	15 063	2 073 918	126.1 (124.0-128.2)	1.21 (1.18-1.24)	3 131
	Low	32 955	1 968 190	147.0 (145.4-148.7)	1.41 (1.38-1.44)	4 094
Abruzzo	High	2 478	254 990	106.5 (102.1-111.0)	1	2 417
	Medium	2 997	468 140	126.2 (121.3-131.2)	1.19 (1.12-1.25)	3 112
	Low	1 1202	578 741	138.4 (135.7-141.1)	1.30 (1.24-1.36)	3 740
Molise	High	477	56 815	96.3 (87.7-105.9)	1	2 205
	Medium	623	103 063	122.9 (112.5-134.3)	1.28 (1.12-1.45)	3 198
	Low	3 003	152 945	140.2 (135.0-145.6)	1.46 (1.31-1.61)	4 033
Campania	High	10 054	909 229	123.2 (120.7-125.8)	1	2 859
	Medium	14 042	1 717 812	147.0 (144.3-149.7)	1.19 (1.16-1.23)	3 654
	Low	40 417	2 609 431	168.6 (166.9-170.2)	1.37 (1.34-1.40)	4 754
Puglia	High	5 772	614 254	103.8 (101.1-106.7)	1	2 373
	Medium	7 311	1 149 011	119.6 (116.7-122.6)	1.15 (1.11-1.19)	2 834
	Low	30 729	2 086 918	134.9 (133.4-136.5)	1.30 (1.26-1.34)	3 572
Basilicata	High	791	91 178	105.4 (97.9-113.5)	1	2 461
	Medium	1 055	183 319	126.7 (118.2-135.8)	1.20 (1.09-1.33)	3 352
	Low	5 559	291 033	137.6 (133.9-141.4)	1.31 (1.21-1.41)	3 739
Calabria	High	3 340	325 325	117.6 (113.4-121.8)	1	2 690
	Medium	3 727	593 842	127.7 (123.2-132.4)	1.09 (1.03-1.14)	3 203
	Low	16 454	936 916	143.5 (141.3-145.8)	1.22 (1.17-1.27)	4 039
Sicilia	High	8 681	767 785	116.9 (114.4-119.5)	1	2 585
	Medium	10 559	1 434 675	134.3 (131.5-137.1)	1.15 (1.11-1.18)	3 228
	Low	40 982	2 454 220	151.2 (149.7-152.7)	1.29 (1.26-1.32)	4 023
Sardegna	High	2 334	247 778	105.4 (100.9-110.1)	1	2 380
	Medium	3 440	484 814	120.3 (117.6-124.8)	1.14 (1.08-1.21)	3 117
	Low	13 380	945 577	140.0 (136.6-142.4)	1.33 (1.27-1.39)	4 309
Italia	High	116 755	11 077 356	105.9 (105.3-106.6)	1	2 359
	Medium	146 564	20 326 825	124.6 (123.9-125.3)	1.18 (1.17-1.19)	3 007
	Low	446 121	27 190 254	143.0 (142.6-143.5)	1.35 (1.34-1.36)	3 851

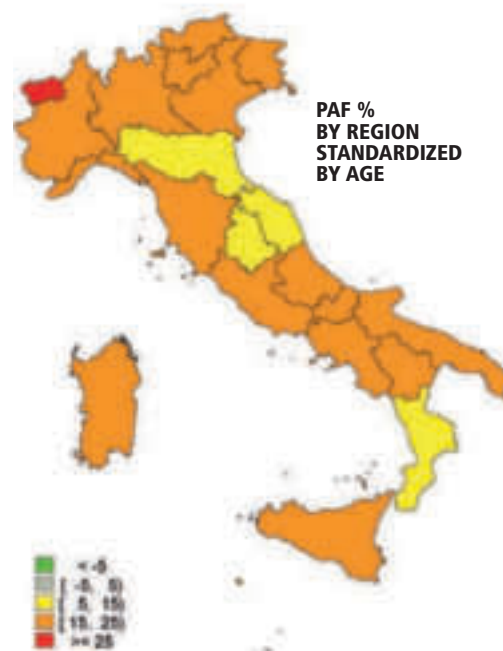
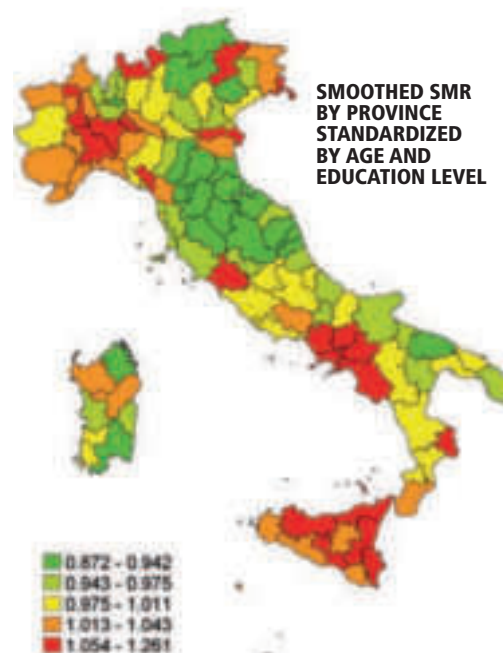


## UOMINI

MEN

ETÀ 30-89

AGE 30-89



## TUTTE LE CAUSE ALL CAUSES OF DEATH



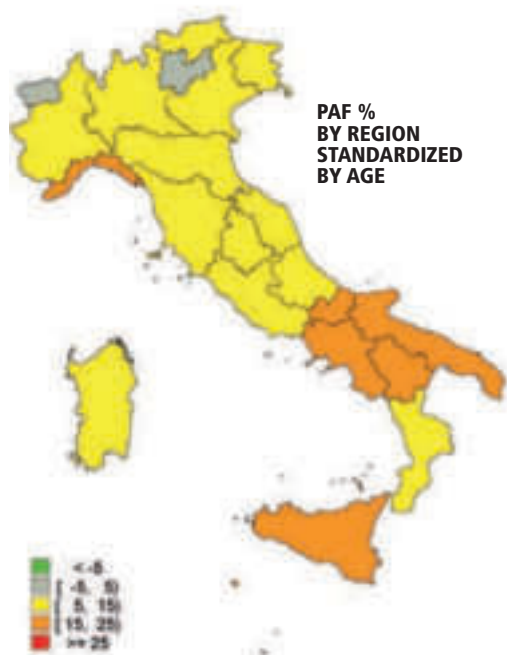
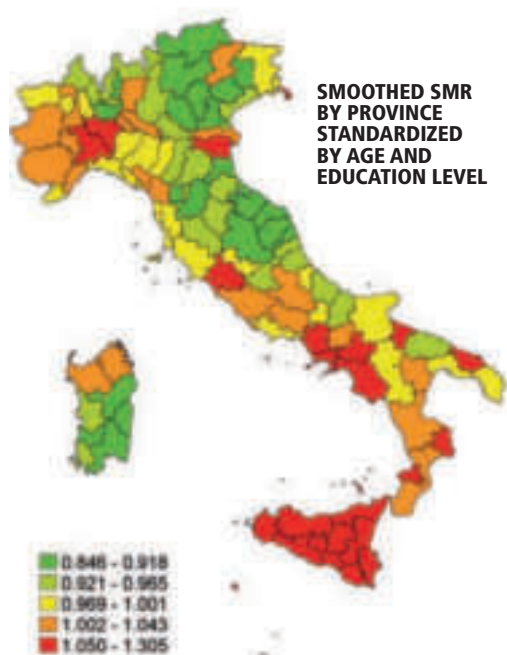
**SMR.** 20% of the provinces show an excess of over 5%, distributed in clusters in all geographical areas of Italy: in the North-West, in Piemonte and in part of Western Lombardia; in the Centre, in Lazio, and in a more generalized way, throughout the South (except in Puglia and Basilicata), where excesses have a patchy distribution. The distribution in areas with a mortality higher than the national average shows a rising gradient from East to West, and a zone with higher mortality in those provinces crossed by the Po and the Ticino rivers. These patterns show no differences between **MEN** and **WOMEN**.

**PAF. MEN:** PAF shows values of 15-25% throughout the Country, except in Emilia-Romagna, Marche, Umbria and Calabria (5-15%). Attributable risk, instead, is above 25% in Valle d'Aosta, although the uncertainty of an estimate calculated on so few events must be taken into consideration. **WOMEN:** the PAF are generally lower than those for men, with an attributable risk at a lower education level always below 15%, and 15-25% only in Liguria and in Southern Italy (except Calabria and Sardegna).

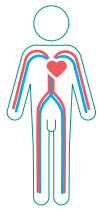


### DONNE WOMEN

**ETÀ 30-89  
AGE 30-89**



2012-2014						
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	5 366	836 082	68.6 (66.8-70.5)	1	1 545
	Medium	9 422	1 676 727	75.3 (73.8-76.9)	1.10 (1.06-1.14)	1 777
	Low	37 630	2 414 836	81.6 (80.7-82.5)	1.19 (1.15-1.22)	1 977
Valle d'Aosta	High	141	24 747	71.0 (59.9-84.2)	1	1 453
	Medium	234	47 069	68.4 (60.1-78.0)	0.96 (0.78-1.19)	1 927
	Low	980	67 283	80.1 (74.7-85.9)	1.13 (0.94-1.36)	2 123
Lombardia	High	10 839	1 989 400	61.1 (59.9-62.3)	1	1 411
	Medium	17 487	3 710 635	68.4 (67.4-69.5)	1.12 (1.09-1.15)	1 639
	Low	67 849	4 972 897	77.0 (76.4-77.6)	1.26 (1.23-1.29)	1 831
Bolzano	High	473	89 740	56.4 (51.4-61.9)	1	1 455
	Medium	717	199 428	60.1 (55.7-64.8)	1.07 (0.95-1.20)	1 460
	Low	2 770	2 23 412	70.7 (67.9-73.6)	1.25 (1.13-1.39)	1 715
Trento	High	564	103 543	60.9 (55.9-66.2)	1	1 469
	Medium	895	225 643	56.3 (52.7-60.2)	0.93 (0.83-1.03)	1 394
	Low	3 262	225 141	71.8 (69.1-74.6)	1.18 (1.07-1.29)	1 693
Veneto	High	4 166	833 402	61.4 (59.5-63.4)	1	1 375
	Medium	5 749	1 680 237	67.2 (65.4-69.1)	1.09 (1.05-1.14)	1 615
	Low	37 614	2 777 381	74.3 (73.4-75.1)	1.21 (1.17-1.25)	1 757
Friuli Venezia Giulia	High	1 670	263 149	64.7 (61.6-67.9)	1	1 544
	Medium	2 989	503 326	76.0 (73.3-78.8)	1.17 (1.11-1.25)	1 861
	Low	9 650	612 209	78.6 (76.9-80.4)	1.22 (1.15-1.28)	2 028
Liguria	High	3 123	405 013	62.8 (60.5-65.1)	1	1 475
	Medium	4 508	661 034	75.3 (73.1-77.5)	1.20 (1.14-1.26)	1 778
	Low	14 224	786 175	82.9 (81.3-84.5)	1.32 (1.27-1.38)	2 102
Emilia-Romagna	High	5 586	982 490	66.4 (64.6-68.2)	1	1 544
	Medium	7 063	1 657 944	75.2 (73.4-77.1)	1.13 (1.09-1.17)	1 783
	Low	36 359	2 237 787	77.0 (76.1-77.9)	1.16 (1.13-1.19)	1 896
Toscana	High	4 538	804 123	62.8 (60.9-64.7)	1	1 466
	Medium	5 134	1 314 238	70.5 (68.5-72.5)	1.12 (1.08-1.17)	1 632
	Low	32 548	2 057 570	75.6 (74.7-76.5)	1.20 (1.17-1.24)	1 785
Umbria	High	1 138	205 592	65.8 (62.0-69.9)	1	1 625
	Medium	1 156	325 316	71.5 (67.3-76.1)	1.09 (1.00-1.18)	1 732
	Low	7 599	460 587	70.4 (68.5-72.2)	1.07 (1.00-1.14)	1 606
Marche	High	1 721	323 451	64.3 (61.3-67.5)	1	1 521
	Medium	1 884	519 041	72.3 (68.9-75.9)	1.12 (1.05-1.20)	1 695
	Low	12 995	856 620	70.5 (69.1-71.9)	1.10 (1.04-1.15)	1 680
Lazio	High	9 594	1 522 088	66.3 (64.9-67.6)	1	1 586
	Medium	9 670	21 77 071	75.8 (74.3-77.4)	1.14 (1.11-1.18)	1 824
	Low	36 433	2 438 459	83.0 (82.1-83.9)	1.25 (1.22-1.28)	2 065
Abruzzo	High	1 453	286 014	65.9 (62.5-69.5)	1	1 603
	Medium	1 484	435 854	75.0 (70.9-79.3)	1.14 (1.05-1.23)	1 767
	Low	11 248	705 762	76.4 (74.8-78.0)	1.16 (1.09-1.23)	1 789
Molise	High	288	63 987	59.6 (52.9-67.1)	1	1 407
	Medium	286	93 174	70.4 (61.9-80.1)	1.18 (0.99-1.41)	1 756
	Low	2 892	182 398	76.5 (73.4-79.8)	1.28 (1.13-1.46)	1 973
Campania	High	5 817	960 276	74.4 (72.5-76.4)	1	1 721
	Medium	6 524	1 599 876	85.9 (83.7-88.1)	1.15 (1.11-1.20)	2 102
	Low	44 974	3 283 605	98.7 (97.8-99.6)	1.33 (1.29-1.36)	2 400
Puglia	High	3 048	646 788	63.7 (61.4-66.1)	1	1 468
	Medium	3 425	1 066 681	70.2 (67.7-72.7)	1.10 (1.05-1.16)	1 658
	Low	31 959	2 564 345	80.9 (80.0-81.8)	1.27 (1.22-1.32)	1 893
Basilicata	High	378	99 340	58.3 (52.4-64.8)	1	1 375
	Medium	421	170 598	69.1 (62.0-77.1)	1.19 (1.02-1.38)	1 642
	Low	5 262	343 548	79.9 (77.6-82.3)	1.37 (1.23-1.53)	1 770
Calabria	High	1 923	366 406	69.5 (66.3-72.7)	1	1 656
	Medium	1 564	542 152	71.8 (68.0-75.9)	1.03 (0.96-1.11)	1 796
	Low	16 172	1 124 577	83.6 (82.2-85.0)	1.20 (1.15-1.26)	1 970
Sicilia	High	5 468	839 323	71.2 (69.3-73.1)	1	1 668
	Medium	5 926	1 416 022	81.5 (79.3-83.7)	1.14 (1.10-1.19)	1 911
	Low	43 001	2 963 827	94.2 (93.3-95.2)	1.32 (1.29-1.36)	2 179
Sardegna	High	1 534	317 889	63.4 (60.2-66.8)	1	1 498
	Medium	1 841	506 958	67.9 (64.6-71.3)	1.07 (1.00-1.15)	1 732
	Low	11 853	991 152	75.7 (74.3-77.2)	1.19 (1.13-1.26)	1 927
Italia	High	68828	11 962 838	65.4 (64.9-65.9)	1	1 527
	Medium	88 379	20 529 020	73.0 (72.5-73.5)	1.12 (1.11-1.13)	1 748
	Low	467 274	32 289 567	80.9 (80.7-81.2)	1.24 (1.23-1.25)	1 951



## MALATTIE DEL SISTEMA CIRCOLATORIO DISEASES OF THE CIRCULATORY SYSTEM

**SMR.** La mortalità per malattie del sistema circolatorio mostra differenze maggiori rispetto a quelle della mortalità generale: il 20% delle province presenta eccessi superiori al 12% tra gli **UOMINI** e al 16% tra le **DONNE**. Si osserva un gradiente Nord-Sud abbastanza accentuato, ad eccezione della Puglia, dove tra gli uomini i valori di mortalità sono inferiori a quelli nazionali. Le aree interessate dall'eccesso di mortalità riguardano in buona parte le regioni del Mezzogiorno, ma anche il Lazio, eccetto Roma. Una mortalità più elevata tra gli **UOMINI** si registra nelle province attraversate dai fiumi Po e Ticino.

**PAF. UOMINI:** si osserva un valore superiore al 25% in Molise, mentre valori tra 5-15% si registrano in Trentino, Calabria e nelle regioni un tempo definite "rosse" (Emilia-Romagna, Toscana, Marche, Umbria). **DONNE:** il rischio attribuibile a un più basso livello di istruzione è in genere compreso tra 15-25%, ma in Campania, Puglia e Sicilia tale quota sale oltre il 25%; viceversa in Emilia-Romagna e in Valle d'Aosta, la frazione di mortalità attribuibile al possedere un basso titolo di studio è compresa tra 5-15%.

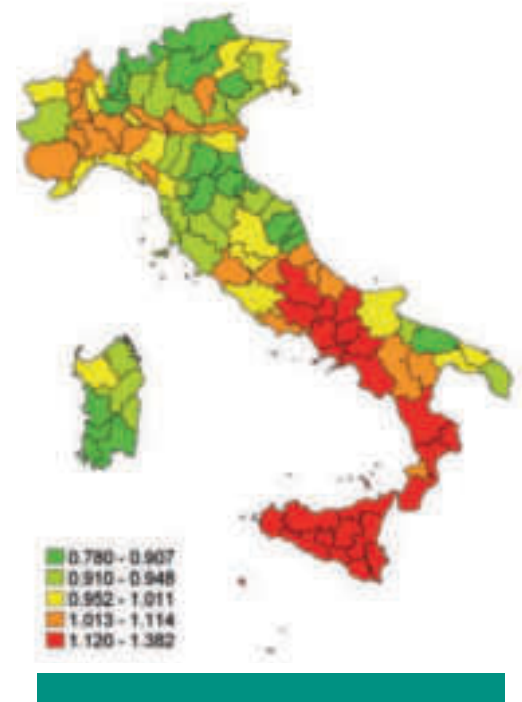
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	2 873	818 021	33.6 (32.4-34.9)	1	569
	Medium	4 039	1 580 984	39.8 (38.5-41.1)	1.18 (1.12-1.24)	754
	Low	11 356	2 065 138	45.1 (44.3-46.0)	1.34 (1.29-1.40)	936
Valle d'Aosta	High	69	23 025	30.3 (23.7-38.6)	1	482
	Medium	95	43 054	38.6 (31.1-48.0)	1.27 (0.92-1.77)	794
	Low	295	63 600	43.3 (38.6-48.6)	1.43 (1.09-1.87)	1 031
Lombardia	High	5 541	1 923 344	29.7 (28.9-30.5)	1	485
	Medium	6 822	3 478 639	35.7 (34.8-36.6)	1.20 (1.16-1.25)	651
	Low	18 883	4 387 573	41.4 (40.8-42.0)	1.39 (1.35-1.44)	815
Bolzano	High	267	86 156	29.1 (25.7-32.9)	1	497
	Medium	278	187 921	31.1 (27.5-35.2)	1.07 (0.90-1.27)	611
	Low	914	208 018	40.8 (38.2-43.6)	1.40 (1.22-1.62)	848
Trento	High	273	101 157	29.7 (26.3-33.5)	1	451
	Medium	317	210 020	30.8 (27.4-34.5)	1.04 (0.88-1.23)	564
	Low	1 005	202 879	40.5 (38.0-43.1)	1.36 (1.19-1.56)	691
Veneto	High	2 369	840 505	31.6 (30.3-32.9)	1	493
	Medium	3041	1 783 406	37.6 (36.2-39.1)	1.19 (1.13-1.26)	662
	Low	11 368	2 275 576	43.5 (42.7-44.3)	1.38 (1.32-1.44)	823
Friuli Venezia Giulia	High	885	256 926	32.4 (30.2-34.7)	1	551
	Medium	1 294	518 112	40.0 (37.8-42.3)	1.23 (1.13-1.35)	707
	Low	2 568	482 532	43.4 (41.7-45.2)	1.34 (1.24-1.45)	899
Liguria	High	1 549	359 649	32.7 (31.1-34.4)	1	547
	Medium	1 735	602 274	37.4 (35.6-39.2)	1.14 (1.06-1.22)	686
	Low	4 101	644 480	45.3 (43.9-46.8)	1.38 (1.30-1.47)	889
Emilia-Romagna	High	2 610	864 484	32.4 (31.2-33.7)	1	544
	Medium	3 021	1 582 791	35.7 (34.4-37.1)	1.10 (1.04-1.16)	648
	Low	11 154	1 982 289	40.0 (39.3-40.8)	1.23 (1.18-1.29)	775
Toscana	High	2 290	710 841	32.0 (30.7-33.4)	1	530
	Medium	2 621	1 249 632	35.0 (33.6-36.4)	1.09 (1.03-1.16)	646
	Low	9 764	1 772 636	40.4 (39.6-41.2)	1.26 (1.20-1.32)	789
Umbria	High	584	180 175	34.6 (31.8-37.7)	1	691
	Medium	646	342 532	36.7 (33.8-39.8)	1.06 (0.94-1.19)	702
	Low	2 622	360 932	43.3 (41.6-45.2)	1.25 (1.14-1.38)	863
Marche	High	893	287 273	34.1 (31.9-36.5)	1	610
	Medium	1029	538 873	38.9 (36.5-41.5)	1.14 (1.04-1.25)	709
	Low	4 383	720 635	39.7 (38.5-40.9)	1.16 (1.08-1.25)	706
Lazio	High	4 603	1 358 451	33.7 (32.7-34.7)	1	607
	Medium	4 591	2 073 918	40.9 (39.7-42.2)	1.21 (1.16-1.27)	813
	Low	10 982	1 968 190	47.6 (46.7-48.5)	1.41 (1.36-1.46)	1 038
Abruzzo	High	813	254 990	36.1 (33.6-38.8)	1	644
	Medium	913	468 140	41.3 (38.5-44.3)	1.14 (1.03-1.26)	835
	Low	4 108	578 741	48.2 (46.7-49.7)	1.33 (1.23-1.44)	985
Molise	High	161	56 815	35.0 (29.8-41.1)	1	633
	Medium	238	103 063	51.8 (44.9-59.7)	1.48 (1.19-1.83)	1 090
	Low	1 193	152 945	52.4 (49.4-55.6)	1.50 (1.26-1.77)	1 041
Campania	High	3 457	909 229	44.6 (43.1-46.2)	1	821
	Medium	4 464	1 717 812	52.0 (50.4-53.7)	1.17 (1.11-1.22)	983
	Low	14 380	2 609 431	59.7 (58.7-60.7)	1.34 (1.29-1.39)	1 264
Puglia	High	1 718	614 254	32.6 (31.0-34.2)	1	564
	Medium	2 093	1 149 011	36.6 (35.0-38.3)	1.12 (1.05-1.20)	710
	Low	9 653	2 086 918	41.7 (40.8-42.5)	1.28 (1.21-1.35)	817
Basilicata	High	252	91 178	35.3 (31.0-40.2)	1	649
	Medium	350	183 319	44.7 (39.7-50.3)	1.27 (1.06-1.51)	1 028
	Low	1 966	291 033	45.8 (43.7-47.9)	1.30 (1.13-1.49)	849
Calabria	High	1 151	325 325	42.4 (39.9-45.1)	1	780
	Medium	1 161	593 842	43.4 (40.7-46.3)	1.02 (0.94-1.12)	885
	Low	6 158	936 916	51.8 (50.5-53.1)	1.22 (1.14-1.30)	1 074
Sicilia	High	2 972	767 785	41.4 (39.9-43.0)	1	769
	Medium	3 425	1 434 675	46.9 (45.2-48.6)	1.13 (1.08-1.19)	906
	Low	14 892	2 454 220	53.5 (52.7-54.4)	1.29 (1.24-1.35)	1 095
Sardegna	High	629	247 778	30.6 (28.1-33.3)	1	535
	Medium	881	484 814	33.8 (31.5-36.3)	1.11 (0.99-1.23)	691
	Low	3 811	945 577	39.0 (37.7-40.2)	1.27 (1.16-1.39)	864
Italia	High	35 959	11 077 356	34.0 (33.6-34.3)	1	589
	Medium	43 054	20 326 825	39.3 (38.9-39.7)	1.16 (1.14-1.18)	744
	Low	145 556	27 190 254	45.3 (45.1-45.6)	1.33 (1.32-1.35)	918



### UOMINI MEN

ETÀ 30-89  
AGE 30-89



## MALATTIE DEL SISTEMA CIRCOLATORIO DISEASES OF THE CIRCULATORY SYSTEM



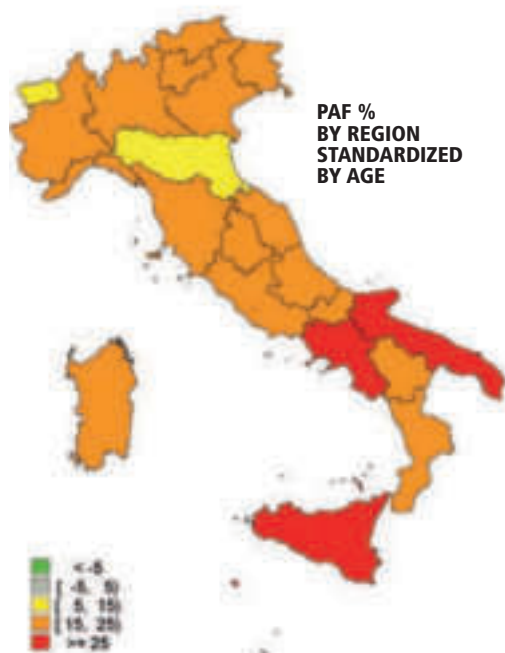
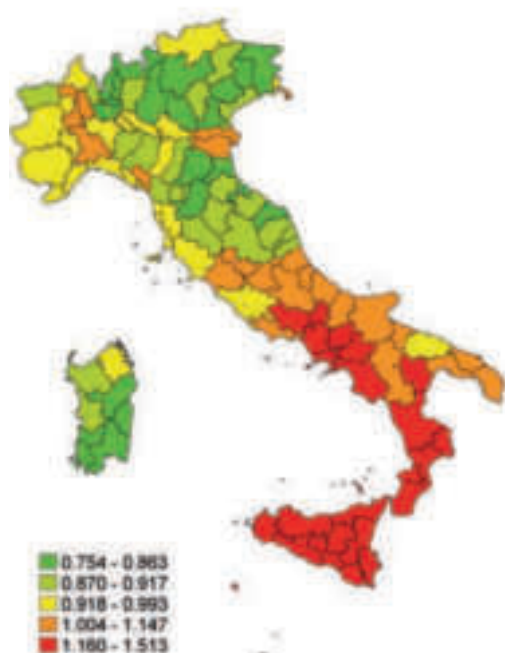
**SMR.** Mortality due to diseases of the circulatory system shows differences that are greater than those observed in general mortality, with 20% of the provinces presenting excesses over 12% among **MEN** and 16% among **WOMEN**. A quite accentuated North-South gradient can be seen, except in Puglia, where mortality rates of **MEN** are lower than expected. The areas with excess mortality are for the most part in the Southern regions of Italy, including Lazio but not the city of Rome. Higher mortality among **MEN** can be seen in the provinces crossed by the Po and the Ticino rivers.

**PAF. MEN:** as for the PAF, a value of above 25% is seen only in Molise, while values of 5-15% are seen in Trentino, Calabria and in those regions once referred to as "red" (Emilia-Romagna, Toscana, Marche, Umbria). Among **WOMEN:** a risk attributable to a low education level is 15-25%, although in Campania, Puglia and Sicilia, that risk increases to over 25%. Instead, in Emilia-Romagna and in Valle d'Aosta, the proportion of mortality attributable to low education level is 5-15%.



### DONNE WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	1 575	836 082	20.6 (19.6-21.6)	1	263
	Medium	2 700	1 676 727	22.6 (21.8-23.5)	1.10 (1.03-1.17)	307
	Low	13 913	2 414 836	26.7 (26.3-27.2)	1.30 (1.23-1.37)	376
Valle d'Aosta	High	35	24 747	18.5 (13.2-25.9)	1	204
	Medium	54	47 069	17.2 (13.1-22.5)	0.93 (0.60-1.43)	284
	Low	336	67 283	24.5 (21.8-27.5)	1.32 (0.93-1.89)	419
Lombardia	High	2 944	1 989 400	16.8 (16.2-17.4)	1	207
	Medium	4 608	3 710 635	19.0 (18.5-19.6)	1.13 (1.08-1.19)	248
	Low	23 319	4 972 897	23.8 (23.4-24.1)	1.42 (1.36-1.47)	327
Bolzano	High	148	89 740	17.7 (15.1-20.9)	1	203
	Medium	209	199 428	19.3 (16.9-22.2)	1.09 (0.88-1.35)	219
	Low	1 129	223 412	25.8 (24.2-27.4)	1.45 (1.22-1.73)	383
Trento	High	132	103 543	14.1 (11.8-16.8)	1	155
	Medium	257	225 643	16.6 (14.7-18.8)	1.18 (0.95-1.46)	204
	Low	1 186	225 141	22.9 (21.5-24.3)	1.62 (1.35-1.95)	315
Veneto	High	1 193	833 402	18.0 (17.0-19.0)	1	225
	Medium	1 495	1 680 237	19.9 (18.9-21.0)	1.11 (1.03-1.20)	263
	Low	13 493	2 777 381	23.5 (23.1-23.9)	1.31 (1.23-1.39)	296
Friuli Venezia Giulia	High	460	263 149	17.9 (16.3-19.6)	1	210
	Medium	828	503 326	21.8 (20.4-23.4)	1.22 (1.09-1.37)	265
	Low	3 407	612 209	23.8 (22.9-24.7)	1.33 (1.20-1.47)	346
Liguria	High	896	405 013	17.3 (16.2-18.5)	1	199
	Medium	1 362	661 034	22.7 (21.5-23.9)	1.31 (1.21-1.43)	299
	Low	5 242	786 175	25.9 (25.2-26.7)	1.50 (1.39-1.61)	350
Emilia-Romagna	High	1 559	982 490	19.1 (18.2-20.1)	1	258
	Medium	1 867	1 657 944	22.2 (21.2-23.3)	1.16 (1.09-1.25)	291
	Low	13 067	2 237 787	24.0 (23.6-24.5)	1.26 (1.19-1.32)	351
Toscana	High	1 255	804 123	17.8 (16.8-18.8)	1	209
	Medium	1 353	1 314 238	20.7 (19.6-21.8)	1.16 (1.08-1.26)	265
	Low	11 794	2 057 570	24.0 (23.5-24.5)	1.35 (1.27-1.43)	337
Umbria	High	322	205 592	19.5 (17.5-21.8)	1	232
	Medium	309	325 316	22.5 (20.1-25.3)	1.15 (0.98-1.35)	287
	Low	3 118	460 587	24.9 (24.0-25.9)	1.28 (1.13-1.44)	318
Marche	High	475	323 451	18.4 (16.7-20.1)	1	250
	Medium	530	519 041	23.3 (21.4-25.4)	1.27 (1.12-1.44)	298
	Low	4 902	856 620	22.9 (22.2-23.6)	1.25 (1.13-1.38)	287
Lazio	High	2 816	1 522 088	19.7 (19.0-20.5)	1	264
	Medium	2 761	2 177 071	23.8 (22.9-24.7)	1.20 (1.14-1.27)	337
	Low	14 050	2 438 459	28.7 (28.2-29.2)	1.46 (1.40-1.52)	424
Abruzzo	High	462	286 014	22.0 (20.1-24.1)	1	296
	Medium	440	435 854	25.7 (23.3-28.3)	1.17 (1.02-1.34)	383
	Low	4 827	705 762	29.1 (28.2-30.0)	1.32 (1.20-1.46)	404
Molise	High	106	63 987	22.7 (18.7-27.5)	1	399
	Medium	82	93 174	25.4 (20.3-31.8)	1.12 (0.83-1.51)	318
	Low	1 287	182 398	30.4 (28.6-32.3)	1.34 (1.09-1.64)	539
Campania	High	1 952	960 276	26.0 (24.9-27.2)	1	350
	Medium	2 100	1 599 876	31.7 (30.4-33.2)	1.22 (1.14-1.30)	470
	Low	19 240	3 283 605	39.4 (38.8-40.0)	1.51 (1.44-1.59)	570
Puglia	High	842	646 788	18.8 (17.6-20.2)	1	214
	Medium	918	1 066 681	21.6 (20.2-23.1)	1.15 (1.04-1.26)	286
	Low	12 138	2 564 345	28.5 (28.0-29.0)	1.51 (1.41-1.62)	391
Basilicata	High	120	99 340	20.3 (16.9-24.5)	1	251
	Medium	123	170 598	24.4 (20.1-29.5)	1.20 (0.92-1.56)	386
	Low	2 212	343 548	30.3 (29.0-31.7)	1.49 (1.23-1.80)	405
Calabria	High	590	366 406	23.1 (21.3-25.0)	1	276
	Medium	448	542 152	25.7 (23.3-28.3)	1.11 (0.98-1.26)	385
	Low	7 168	1 124 577	34.0 (33.2-34.9)	1.47 (1.35-1.61)	526
Sicilia	High	1 764	839 323	23.5 (22.5-24.7)	1	295
	Medium	1 823	1 416 022	28.3 (27.0-29.6)	1.20 (1.12-1.28)	385
	Low	18 257	2 963 827	37.1 (36.5-37.7)	1.58 (1.50-1.66)	537
Sardegna	High	380	317 889	17.2 (15.6-19.1)	1	224
	Medium	441	506 958	19.0 (17.2-20.9)	1.10 (0.95-1.27)	286
	Low	4 003	991 152	23.4 (22.7-24.2)	1.36 (1.22-1.51)	353
Italia	High	20 026	11 962 838	19.5 (19.2-19.8)	1	248
	Medium	24 708	20 529 020	22.3 (22.1-22.6)	1.15 (1.12-1.17)	304
	Low	178 088	32 289 567	27.7 (27.5-27.8)	1.42 (1.40-1.44)	395



## MALATTIE ISCHEMICHE DEL CUORE ISCHAEMIC HEART DISEASES

**SMR.** Le malattie ischemiche del cuore mostrano differenziali leggermente minori rispetto al complesso delle malattie circolatorie. **UOMINI:** si osserva un eccesso elevato in alcune regioni centro-meridionali (Lazio, Abruzzo, Molise, Campania, Sicilia). **DONNE:** eccessi nelle stesse regioni a cui si aggiunge l'Umbria. Si rileva che le regioni Nord-occidentali (in particolare il Piemonte occidentale) risultano protette da queste malattie, a differenza dell'eccesso di mortalità rilevato per tutte le cause e in parte per le malattie del sistema circolatorio.

**PAF. UOMINI:** i valori sono minori rispetto alle donne; superano il 25% solo in Molise e sono inferiori al 15% in Trentino, Puglia, Sicilia, Emilia-Romagna, Toscana, Marche e Umbria. In Abruzzo e Calabria non si registrano disegualianze per questa causa (PAF tra -5% e 5%). **DONNE:** il PAF è oltre il 25% in Campania, Puglia, Sicilia, Sardegna, Liguria, Trentino, mentre è inferiore al 15% in Piemonte, Valle d'Aosta, Umbria, Molise, Basilicata. I PAF sono alti nelle regioni con eccesso di mortalità totale (Campania, Sicilia).

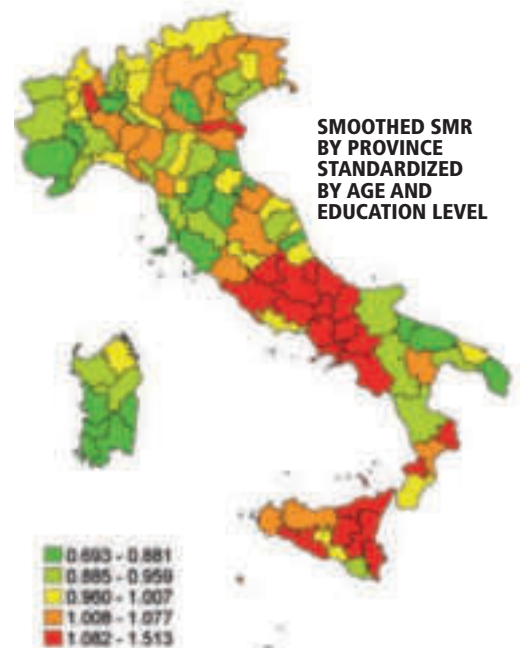
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL RATE x10 000
				RATE x10 000 (95%CI)		MMR (95%CI)		
Piemonte	High	1 094	818 021	12.6	(11.8-13.4)	1		249
	Medium	1 544	1 580 984	14.6	(13.9-15.4)	1.16	(1.07-1.26)	326
	Low	3 936	2 065 138	16.0	(15.5-16.5)	1.27	(1.18-1.36)	415
Valle d'Aosta	High	30	23 025	12.8	(8.8-18.5)	1		199
	Medium	39	43 054	15.8	(11.3-22.2)	1.24	(0.75-2.05)	322
	Low	110	63 600	16.4	(13.5-19.8)	1.28	(0.85-1.94)	504
Lombardia	High	2 372	1 923 344	12.4	(11.9-12.9)	1		226
	Medium	2 877	3 478 639	14.6	(14.0-15.1)	1.17	(1.11-1.24)	299
	Low	7 617	4 387 573	16.8	(16.4-17.1)	1.35	(1.29-1.42)	379
Bolzano	High	119	86 156	12.9	(10.7-15.5)	1		247
	Medium	125	187 921	13.6	(11.3-16.4)	1.06	(0.81-1.38)	298
	Low	384	208 018	17.5	(15.8-19.4)	1.36	(1.10-1.69)	432
Trento	High	134	101 157	14.6	(12.3-17.4)	1		227
	Medium	168	210 020	15.8	(13.5-18.6)	1.08	(0.86-1.37)	319
	Low	431	202 879	17.5	(15.9-19.3)	1.20	(0.98-1.47)	322
Veneto	High	956	840 505	12.5	(11.7-13.4)	1		207
	Medium	1 277	1 783 406	15.2	(14.3-16.1)	1.21	(1.11-1.32)	304
	Low	4 394	2 275 576	17.0	(16.5-17.5)	1.36	(1.26-1.46)	356
Friuli Venezia Giulia	High	364	256 926	13.1	(11.7-14.5)	1		227
	Medium	546	518 112	16.7	(15.3-18.2)	1.28	(1.11-1.46)	311
	Low	1 088	482 532	18.5	(17.5-19.7)	1.42	(1.26-1.60)	399
Liguria	High	578	359 649	12.2	(11.2-13.2)	1		220
	Medium	694	602 274	14.7	(13.6-15.8)	1.21	(1.08-1.35)	306
	Low	1 533	644 480	17.3	(16.4-18.3)	1.42	(1.29-1.57)	396
Emilia-Romagna	High	1 130	864 484	13.7	(12.9-14.5)	1		258
	Medium	1 347	1 582 791	15.4	(14.5-16.2)	1.12	(1.03-1.22)	320
	Low	4 385	1 982 289	16.1	(15.6-16.6)	1.18	(1.10-1.26)	356
Toscana	High	854	710 841	11.6	(10.8-12.4)	1		217
	Medium	992	1 249 632	12.9	(12.1-13.8)	1.12	(1.02-1.23)	266
	Low	3 478	1 772 636	14.8	(14.3-15.3)	1.27	(1.18-1.38)	324
Umbria	High	246	180 175	14.1	(12.4-16.1)	1		311
	Medium	284	342 532	16.1	(14.2-18.2)	1.14	(0.95-1.37)	302
	Low	1 099	360 932	18.2	(17.1-19.4)	1.29	(1.12-1.49)	358
Marche	High	352	287 273	13.3	(11.9-14.8)	1		244
	Medium	425	538 873	15.6	(14.1-17.2)	1.17	(1.01-1.36)	318
	Low	1 779	720 635	16.3	(15.5-17.1)	1.23	(1.09-1.38)	302
Lazio	High	1 993	1 358 451	14.3	(13.7-15.0)	1		273
	Medium	1 972	2 073 918	17.2	(16.4-18.0)	1.20	(1.12-1.28)	370
	Low	4 394	1 968 190	19.3	(18.7-19.9)	1.35	(1.27-1.42)	457
Abruzzo	High	395	254 990	17.6	(15.8-19.5)	1		313
	Medium	408	468 140	17.3	(15.6-19.3)	0.99	(0.85-1.14)	414
	Low	1 590	578 741	19.0	(18.0-20.0)	1.08	(0.96-1.21)	434
Molise	High	64	56 815	13.6	(10.5-17.5)	1		230
	Medium	89	103 063	19.9	(15.8-25.0)	1.46	(1.04-2.07)	385
	Low	470	152 945	20.9	(19.0-22.9)	1.54	(1.17-2.02)	425
Campania	High	1 476	909 229	18.7	(17.8-19.8)	1		378
	Medium	1 989	1 717 812	22.3	(21.2-23.4)	1.19	(1.11-1.28)	464
	Low	5 513	2 609 431	23.0	(22.4-23.6)	1.23	(1.15-1.30)	548
Puglia	High	714	614 254	13.2	(12.2-14.3)	1		234
	Medium	839	1 149 011	14.6	(13.6-15.7)	1.10	(0.99-1.23)	287
	Low	3 479	2 086 918	15.1	(14.6-15.6)	1.14	(1.05-1.24)	314
Basilicata	High	104	91 178	13.4	(10.9-16.5)	1		317
	Medium	158	183 319	19.9	(16.6-23.7)	1.48	(1.13-1.94)	490
	Low	660	291 033	15.9	(14.7-17.2)	1.19	(0.95-1.48)	348
Calabria	High	448	325 325	15.7	(14.2-17.3)	1		315
	Medium	454	593 842	15.8	(14.2-17.5)	1.01	(0.87-1.16)	385
	Low	1 943	936 916	16.7	(16.0-17.5)	1.07	(0.96-1.19)	404
Sicilia	High	1 150	767 785	15.4	(14.5-16.4)	1		334
	Medium	1 352	1 434 675	17.5	(16.5-18.5)	1.13	(1.04-1.23)	398
	Low	5 012	2 454 220	18.3	(17.8-18.8)	1.19	(1.11-1.27)	438
Sardegna	High	239	247 778	11.0	(9.6-12.5)	1		222
	Medium	350	484 814	12.8	(11.4-14.3)	1.17	(0.98-1.39)	290
	Low	1 368	945 577	14.1	(13.4-14.9)	1.29	(1.11-1.49)	362
Italia	High	14 812	11 077 356	13.7	(13.4-13.9)	1		260
	Medium	17 929	20 326 825	15.8	(15.6-16.1)	1.16	(1.13-1.19)	335
	Low	54 663	27 190 254	17.3	(17.1-17.4)	1.26	(1.24-1.29)	395



### UOMINI MEN

ETÀ 30-89  
AGE 30-89



## MALATTIE ISCHEMICHE DEL CUORE

### ISCHAEMIC HEART DISEASES



**SMR.** Ischaemic heart diseases show slightly fewer differences than do those for circulatory diseases. **MEN:** a particularly high excess can be seen in some Central-Southern regions (Lazio, Abruzzo, Molise, Campania, Sicilia). **WOMEN:** excess can be seen in the same regions and in Umbria.

Of note, the North-Western regions, in particular Western Piemonte, appear to be protected against ischaemic heart diseases, unlike the excess mortality seen for all causes and, in part, for diseases of the circulatory system.

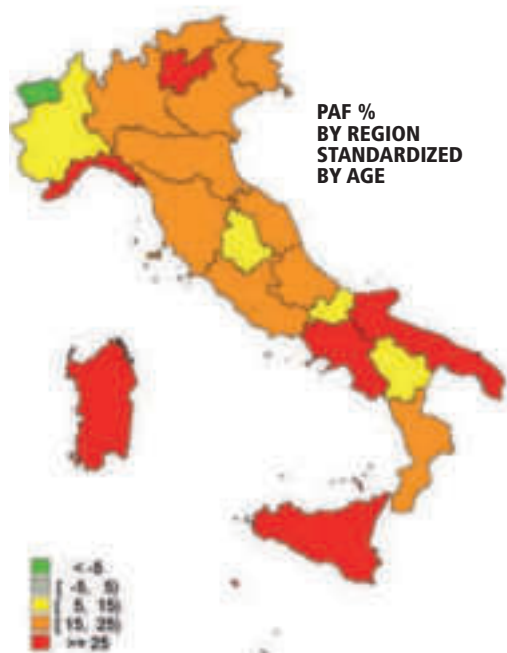
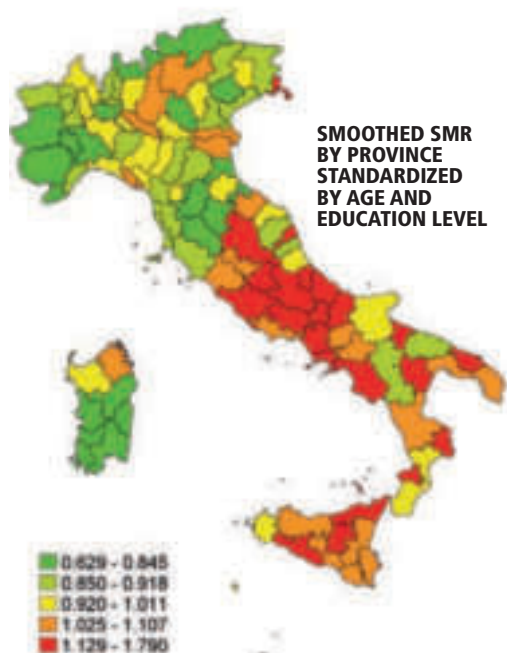
**PAF. MEN:** the PAF for ischaemic heart diseases are lower than those for women, with values above 25% only in Molise and below 15% in Trentino, Puglia, Campania, Sicilia, Emilia-Romagna, Toscana, Marche and Umbria. In Abruzzo and Calabria, no inequality is registered for this cause of death (PAF between -5% and 5%). **WOMEN:** the PAF is over 25% in Campania, Puglia, Sicilia, Sardegna, Liguria and Trentino, and below 15% in Piemonte, Valle d'Aosta, Umbria, Molise and Basilicata. Some of the regions with high PAF are those with total excess mortality (Campania, Sicilia).



### DONNE

#### WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	405	836 082	5.2 (4.8-5.8)	1		79	
	Medium	661	1676 727	5.5 (5.1-6.0)	1.05 (0.93-1.19)		81	
	Low	3 216	2 414 836	6.4 (6.2-6.6)	1.22 (1.10-1.36)		103	
Valle d'Aosta	High	15	24 747	7.4 (4.4-12.4)	1		118	
	Medium	18	47 069	5.8 (3.6-9.2)	0.78 (0.39-1.58)		94	
	Low	93	67 283	7.1 (5.7-8.9)	0.97 (0.55-1.71)		153	
Lombardia	High	824	1 989 400	4.7 (4.4-5.0)	1		60	
	Medium	1 332	3 710 635	5.5 (5.2-5.8)	1.18 (1.08-1.29)		76	
	Low	6 998	4 972 897	7.2 (7.0-7.4)	1.55 (1.44-1.66)		106	
Bolzano	High	38	89 740	4.4 (3.2-6.1)	1		53	
	Medium	60	199 428	5.5 (4.3-7.1)	1.25 (0.83-1.89)		77	
	Low	278	223 412	6.7 (5.9-7.6)	1.52 (1.08-2.15)		130	
Trento	High	48	103 543	4.9 (3.7-6.5)	1		37	
	Medium	86	225 643	5.6 (4.6-7.0)	1.15 (0.81-1.65)		65	
	Low	441	225 141	8.6 (7.8-9.5)	1.76 (1.30-2.38)		125	
Veneto	High	328	833 402	4.9 (4.4-5.5)	1		57	
	Medium	433	1 680 237	5.9 (5.3-6.4)	1.18 (1.02-1.37)		71	
	Low	3 854	2 777 381	6.7 (6.5-6.9)	1.35 (1.21-1.52)		78	
Friuli Venezia Giulia	High	149	263 149	5.8 (4.9-6.8)	1		75	
	Medium	255	503 326	6.7 (6.0-7.6)	1.16 (0.95-1.43)		74	
	Low	1 128	612 209	7.7 (7.2-8.2)	1.33 (1.12-1.58)		95	
Liguria	High	237	405 013	4.6 (4.1-5.3)	1		60	
	Medium	363	661 034	6.1 (5.5-6.8)	1.32 (1.12-1.56)		88	
	Low	1 434	786 175	7.3 (6.9-7.7)	1.58 (1.37-1.82)		103	
Emilia-Romagna	High	454	982 490	5.5 (5.0-6.1)	1		76	
	Medium	555	1 657 944	6.6 (6.1-7.2)	1.20 (1.06-1.36)		84	
	Low	3 780	2 237 787	7.0 (6.7-7.2)	1.26 (1.14-1.39)		102	
Toscana	High	335	804 123	4.8 (4.3-5.3)	1		56	
	Medium	362	1 314 238	5.5 (4.9-6.1)	1.15 (0.99-1.34)		75	
	Low	3 049	2 057 570	6.3 (6.0-6.5)	1.31 (1.17-1.48)		88	
Umbria	High	113	205 592	7.0 (5.8-8.4)	1		81	
	Medium	111	325 316	8.3 (6.9-10.1)	1.19 (0.91-1.56)		88	
	Low	1 049	460 587	8.4 (7.8-9.0)	1.20 (0.99-1.47)		112	
Marche	High	150	323 451	5.8 (5.0-6.9)	1		73	
	Medium	182	519 041	8.1 (7.0-9.4)	1.39 (1.12-1.73)		101	
	Low	1 597	856 620	7.4 (7.0-7.8)	1.27 (1.07-1.51)		86	
Lazio	High	862	1 522 088	6.0 (5.6-6.4)	1		75	
	Medium	870	2 177 071	7.5 (7.0-8.0)	1.25 (1.14-1.37)		109	
	Low	4 402	2 438 459	9.0 (8.7-9.3)	1.50 (1.40-1.62)		135	
Abruzzo	High	132	286 014	6.1 (5.2-7.3)	1		71	
	Medium	127	435 854	7.6 (6.3-9.1)	1.24 (0.96-1.59)		101	
	Low	1 525	705 762	9.4 (8.9-9.9)	1.53 (1.27-1.83)		139	
Molise	High	35	63 987	7.1 (5.0-9.9)	1		108	
	Medium	20	93 174	5.7 (3.5-9.1)	0.80 (0.45-1.44)		95	
	Low	405	182 398	9.4 (8.5-10.5)	1.34 (0.93-1.91)		129	
Campania	High	559	960 276	7.4 (6.8-8.1)	1		98	
	Medium	648	1 599 876	9.7 (9.0-10.5)	1.31 (1.17-1.47)		150	
	Low	5 841	3 283 605	12.1 (11.8-12.4)	1.63 (1.50-1.78)		188	
Puglia	High	213	646 788	4.8 (4.2-5.5)	1		48	
	Medium	237	1 066 681	5.6 (4.9-6.4)	1.16 (0.96-1.40)		77	
	Low	3 412	2 564 345	8.0 (7.7-8.3)	1.66 (1.44-1.91)		108	
Basilicata	High	34	99 340	6.0 (4.2-8.4)	1		61	
	Medium	30	170 598	6.1 (4.2-9.1)	1.03 (0.61-1.73)		83	
	Low	546	343 548	7.7 (7.0-8.4)	1.29 (0.90-1.83)		119	
Calabria	High	150	366 406	5.7 (4.9-6.8)	1		71	
	Medium	107	542 152	6.0 (4.9-7.4)	1.05 (0.81-1.36)		89	
	Low	1 726	1 124 577	8.2 (7.8-8.7)	1.44 (1.21-1.70)		130	
Sicilia	High	428	839 323	5.7 (5.2-6.3)	1		81	
	Medium	418	1 416 022	6.3 (5.7-6.9)	1.09 (0.95-1.25)		104	
	Low	4 470	2 963 827	9.3 (9.0-9.6)	1.62 (1.47-1.80)		150	
Sardegna	High	91	317 889	4.0 (3.2-4.9)	1		59	
	Medium	116	506 958	4.9 (4.0-5.9)	1.23 (0.92-1.63)		90	
	Low	1 049	991 152	6.3 (5.9-6.7)	1.58 (1.27-1.97)		105	
Italia	High	5 600	11 962 838	5.4 (5.3-5.6)	1		70	
	Medium	6 991	20 529 020	6.3 (6.2-6.5)	1.16 (1.12-1.21)		89	
	Low	50 293	32 289 567	7.9 (7.8-8.0)	1.46 (1.42-1.50)		117	



# MALATTIE CEREBROVASCOLARI

## CEREBROVASCULAR DISEASES

**SMR.** Le malattie cerebrovascolari mostrano differenziali maggiori rispetto al complesso delle malattie cardiovascolari. Si osserva un gradiente crescente Est-Ovest abbastanza delineato, sia tra gli **UOMINI** sia tra le **DONNE**, un eccesso di mortalità è presente, infatti, in Piemonte e nelle regioni tirreniche, soprattutto Campania, Calabria, Sicilia, ma anche nel basso Lazio e in alcune province toscane.

**PAF. DONNE:** mediamente i valori sono più elevati tra le donne che tra gli uomini. I PAF superano il 25% in Umbria, Molise, Puglia, Basilicata, Sicilia, mentre sono inferiori al 15% nel Nord-Est (Emilia-Romagna, Veneto, Friuli-Venezia Giulia, Trentino) e in Valle d'Aosta). **UOMINI:** i valori superano il 25% in Abruzzo e Molise, e sono inferiori al 15% nelle regioni centro-settentrionali (Liguria, Emilia-Romagna, Toscana, Marche, Umbria) e nell'estremo Sud (Calabria e Basilicata).

2012-2014

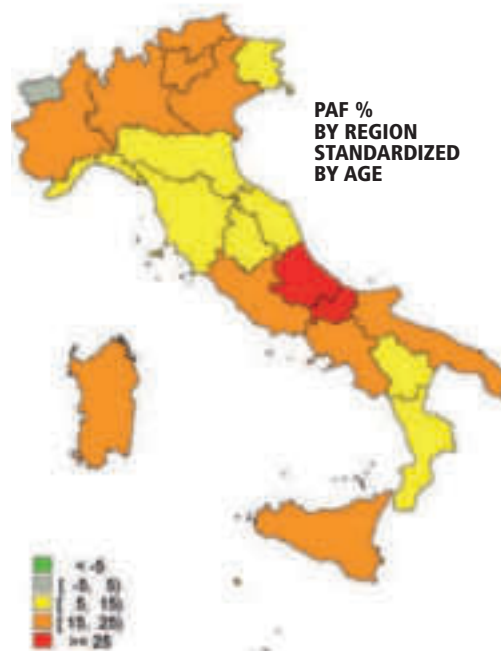
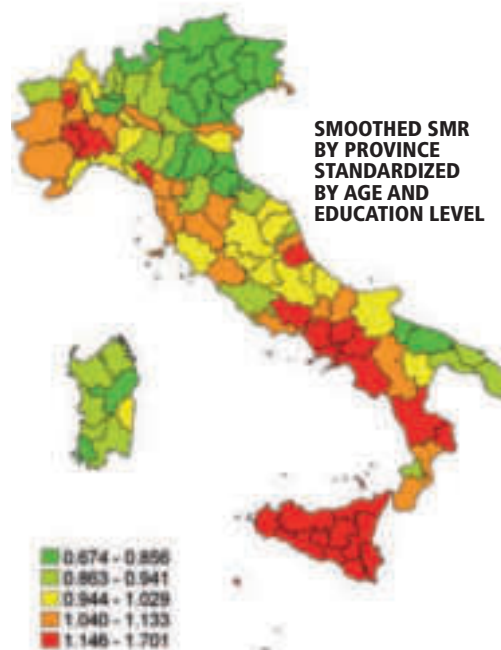
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	734	818 021	8.8 (8.2-9.5)	1	109
	Medium	1 039	1 580 984	10.8 (10.1-11.5)	1.22 (1.11-1.35)	153
	Low	3 107	2 065 138	12.0 (11.6-12.5)	1.36 (1.26-1.48)	180
Valle d'Aosta	High	16	23 025	7.4 (4.5-12.3)	1	132
	Medium	21	43 054	8.4 (5.3-13.3)	1.13 (0.57-2.23)	155
	Low	51	63 600	7.2 (5.5-9.5)	0.97 (0.55-1.71)	117
Lombardia	High	1 263	1 923 344	7.1 (6.7-7.5)	1	87
	Medium	1 565	3 478 639	8.6 (8.1-9.0)	1.22 (1.13-1.31)	127
	Low	4 453	4 387 573	9.7 (9.4-10.0)	1.37 (1.29-1.46)	148
Bolzano	High	49	86 156	5.5 (4.2-7.4)	1	85
	Medium	52	187 921	6.5 (4.9-8.6)	1.17 (0.78-1.74)	83
	Low	161	208 018	7.2 (6.2-8.5)	1.31 (0.94-1.81)	129
Trento	High	43	101 157	4.8 (3.6-6.5)	1	45
	Medium	60	210 020	6.2 (4.8-8.1)	1.28 (0.86-1.92)	87
	Low	187	202 879	7.4 (6.4-8.5)	1.52 (1.09-2.13)	100
Veneto	High	485	840 505	6.6 (6.0-7.2)	1	91
	Medium	613	1 783 406	8.0 (7.4-8.7)	1.21 (1.07-1.37)	115
	Low	2 296	2 275 576	8.6 (8.3-9.0)	1.30 (1.18-1.44)	125
Friuli Venezia Giulia	High	204	256 926	7.6 (6.6-8.8)	1	92
	Medium	293	518 112	9.4 (8.4-10.6)	1.23 (1.02-1.48)	139
	Low	534	482 532	8.9 (8.1-9.7)	1.16 (0.99-1.37)	162
Liguria	High	389	359 649	8.3 (7.5-9.2)	1	111
	Medium	399	602 274	8.7 (7.9-9.6)	1.05 (0.91-1.21)	139
	Low	958	644 480	10.3 (9.7-11.0)	1.25 (1.11-1.41)	163
Emilia-Romagna	High	535	864 484	6.8 (6.3-7.4)	1	94
	Medium	598	1 582 791	7.4 (6.8-8.0)	1.09 (0.96-1.22)	107
	Low	2 494	1 982 289	8.7 (8.4-9.1)	1.28 (1.16-1.41)	136
Toscana	High	624	710 841	9.0 (8.3-9.8)	1	114
	Medium	679	1 249 632	9.6 (8.9-10.4)	1.06 (0.95-1.19)	131
	Low	2 747	1 772 636	10.9 (10.5-11.3)	1.21 (1.11-1.32)	153
Umbria	High	130	180 175	8.1 (6.8-9.7)	1	96
	Medium	121	342 532	7.2 (6.0-8.7)	0.90 (0.69-1.16)	115
	Low	683	360 932	11.1 (10.2-12.0)	1.37 (1.13-1.66)	186
Marche	High	215	287 273	8.5 (7.4-9.7)	1	117
	Medium	239	538 873	9.6 (8.4-10.9)	1.13 (0.93-1.37)	141
	Low	1 144	720 635	10.0 (9.4-10.6)	1.18 (1.02-1.37)	132
Lazio	High	981	1 358 451	7.3 (6.9-7.8)	1	109
	Medium	948	2 073 918	8.9 (8.3-9.5)	1.22 (1.11-1.34)	142
	Low	2 477	1 968 190	10.5 (10.1-10.9)	1.44 (1.33-1.55)	189
Abruzzo	High	153	254 990	6.7 (5.6-7.9)	1	119
	Medium	187	468 140	9.2 (7.9-10.7)	1.38 (1.10-1.73)	149
	Low	987	578 741	11.3 (10.6-12.0)	1.69 (1.41-2.02)	184
Molise	High	32	56 815	6.9 (4.8-9.9)	1	119
	Medium	48	103 063	11.1 (8.1-15.2)	1.61 (1.00-2.59)	200
	Low	279	152 945	12.0 (10.6-13.5)	1.73 (1.19-2.53)	239
Campania	High	782	909 229	10.6 (9.8-11.4)	1	149
	Medium	980	1 717 812	12.3 (11.5-13.1)	1.16 (1.05-1.28)	189
	Low	3 600	2 609 431	14.9 (14.4-15.4)	1.41 (1.30-1.52)	243
Puglia	High	345	614 254	6.7 (6.0-7.5)	1	99
	Medium	407	1 149 011	7.2 (6.5-8.0)	1.08 (0.93-1.25)	135
	Low	2 110	2 086 918	9.0 (8.6-9.4)	1.34 (1.19-1.51)	155
Basilicata	High	59	91 178	9.0 (6.9-11.7)	1	121
	Medium	63	183 319	9.0 (6.9-11.9)	1.00 (0.69-1.47)	154
	Low	504	291 033	11.5 (10.5-12.6)	1.28 (0.97-1.69)	173
Calabria	High	248	325 325	9.7 (8.6-11.1)	1	154
	Medium	242	593 842	10.0 (8.8-11.5)	1.03 (0.85-1.25)	159
	Low	1 542	936 916	12.7 (12.0-13.3)	1.30 (1.13-1.49)	209
Sicilia	High	742	767 785	10.8 (10.0-11.6)	1	160
	Medium	811	1 434 675	11.6 (10.8-12.5)	1.08 (0.97-1.20)	188
	Low	4 283	2 454 220	15.1 (14.7-15.6)	1.40 (1.30-1.52)	245
Sardegna	High	146	247 778	7.6 (6.4-9.0)	1	106
	Medium	206	484 814	8.7 (7.5-10.0)	1.15 (0.92-1.44)	134
	Low	948	945 577	9.6 (9.0-10.3)	1.28 (1.06-1.53)	167
Italia	High	8 175	11 077 356	8.0 (7.8-8.2)	1	110
	Medium	9 571	20 326 825	9.2 (9.0-9.4)	1.16 (1.12-1.19)	141
	Low	35 545	27 190 254	10.9 (10.7-11.0)	1.36 (1.33-1.39)	173



### UOMINI

#### MEN

ETÀ 30-89  
AGE 30-89





# MALATTIE CEREBROVASCOLARI

## CEREBROVASCULAR DISEASES



**SMR.** Cerebrovascular diseases, instead, show differences that are even greater, compared to all cardiovascular diseases. A rising East-West gradient can be seen quite clearly, both for **MEN** and for **WOMEN**. Excess mortality can be seen in Piemonte and in the regions along the Tyrrhenian coast, especially in Campania, Calabria, Sicilia, in Southern Lazio and in some provinces in Toscana.

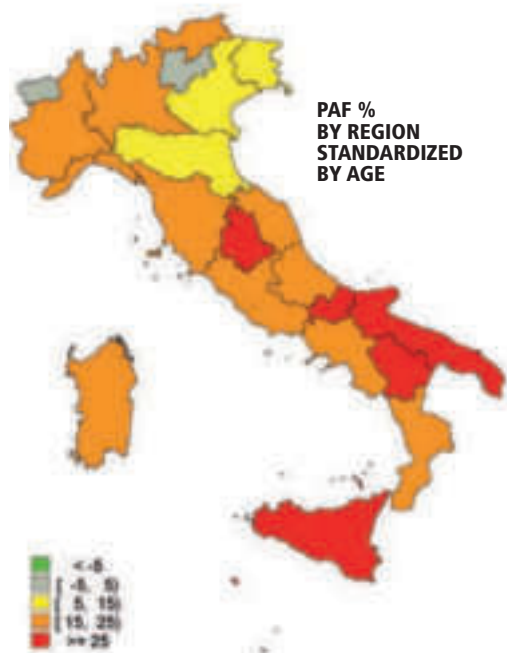
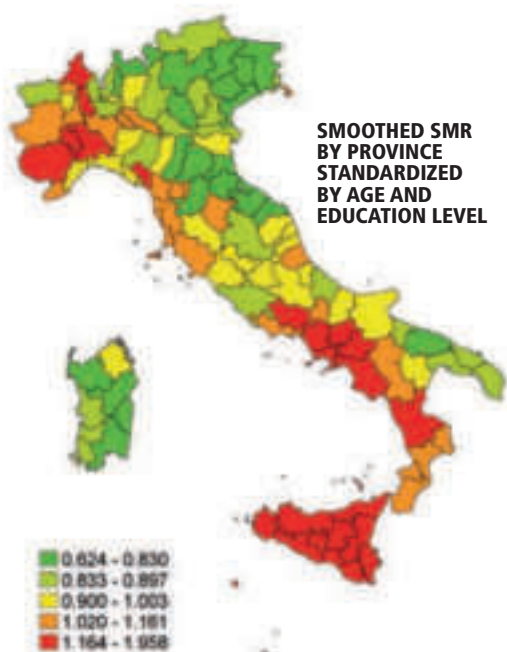
**PAF. WOMEN:** on average, the PAF are higher than for **MEN**. The PAF exceed 25% in Umbria, Molise, Puglia, Basilicata and Sicilia and are below 15% in the North-East (Emilia-Romagna, Veneto, Friuli Venezia Giulia, Trentino, Valle d'Aosta). **MEN:** the PAF exceed 25% in Abruzzo and Molise and are below 15% in the Central-North regions (Liguria, Emilia-Romagna, Toscana, Marche, Umbria), and in the extreme South (Calabria and Basilicata).



### DONNE

#### WOMEN

**ETÀ 30-89**  
**AGE 30-89**



2012-2014								
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	513	836 082	6.7 (6.1-7.3)	1		73	
	Medium	932	1 676 727	7.8 (7.3-8.4)	1.17 (1.05-1.31)		94	
	Low	4 747	2 414 836	9.0 (8.7-9.2)	1.34 (1.22-1.47)		117	
Valle d'Aosta	High	11	24 747	6.0 (3.3-10.8)	1		24	
	Medium	13	47 069	4.3 (2.5-7.4)	0.72 (0.32-1.62)		50	
	Low	92	67 283	6.8 (5.5-8.5)	1.15 (0.61-2.17)		130	
Lombardia	High	930	1 989 400	5.3 (5.0-5.7)	1		68	
	Medium	1 457	3 710 635	6.0 (5.7-6.3)	1.13 (1.04-1.23)		80	
	Low	6 890	4 972 897	7.0 (6.8-7.2)	1.32 (1.23-1.41)		96	
Bolzano	High	40	89 740	5.0 (3.7-6.9)	1		53	
	Medium	54	199 428	5.0 (3.8-6.5)	0.99 (0.66-1.50)		52	
	Low	315	223 412	7.1 (6.3-8.0)	1.41 (1.01-1.97)		103	
Trento	High	35	103 543	3.8 (2.7-5.3)	1		43	
	Medium	52	225 643	3.3 (2.5-4.3)	0.86 (0.56-1.34)		54	
	Low	250	225 141	4.8 (4.2-5.4)	1.25 (0.87-1.81)		60	
Veneto	High	329	833 402	5.0 (4.5-5.6)	1		62	
	Medium	381	1 680 237	5.1 (4.6-5.6)	1.01 (0.87-1.18)		69	
	Low	3 527	2 777 381	6.2 (6.0-6.4)	1.23 (1.10-1.38)		80	
Friuli Venezia Giulia	High	145	263 149	5.6 (4.8-6.6)	1		66	
	Medium	275	503 326	7.3 (6.5-8.2)	1.30 (1.06-1.59)		83	
	Low	884	612 209	6.4 (6.0-6.9)	1.14 (0.95-1.37)		116	
Liguria	High	294	405 013	5.7 (5.1-6.4)	1		70	
	Medium	430	661 034	7.1 (6.5-7.8)	1.24 (1.07-1.45)		94	
	Low	1 537	786 175	7.5 (7.1-7.9)	1.30 (1.15-1.48)		95	
Emilia-Romagna	High	437	982 490	5.4 (4.9-5.9)	1		82	
	Medium	475	1 657 944	5.7 (5.2-6.2)	1.05 (0.92-1.20)		74	
	Low	3 454	2 237 787	6.4 (6.1-6.6)	1.18 (1.06-1.30)		93	
Toscana	High	422	804 123	6.0 (5.5-6.6)	1		64	
	Medium	441	1 314 238	6.8 (6.2-7.5)	1.13 (0.98-1.29)		83	
	Low	4 008	2 057 570	8.0 (7.8-8.3)	1.34 (1.21-1.48)		106	
Umbria	High	74	205 592	4.5 (3.5-5.6)	1		47	
	Medium	82	325 316	6.0 (4.8-7.5)	1.34 (0.97-1.85)		78	
	Low	904	460 587	7.1 (6.6-7.6)	1.58 (1.24-2.02)		75	
Marche	High	127	323 451	4.9 (4.1-5.9)	1		71	
	Medium	157	519 041	7.0 (6.0-8.3)	1.44 (1.13-1.82)		80	
	Low	1 380	856 620	6.5 (6.1-6.8)	1.32 (1.09-1.58)		77	
Lazio	High	751	1 522 088	5.3 (4.9-5.7)	1		71	
	Medium	735	2 177 071	6.3 (5.9-6.8)	1.19 (1.08-1.32)		91	
	Low	3 806	2 438 459	7.8 (7.5-8.1)	1.48 (1.36-1.60)		116	
Abruzzo	High	115	286 014	5.6 (4.6-6.7)	1		75	
	Medium	124	435 854	7.3 (6.1-8.8)	1.32 (1.02-1.72)		107	
	Low	1 263	705 762	7.6 (7.1-8.1)	1.37 (1.12-1.66)		103	
Molise	High	22	63 987	5.0 (3.3-7.6)	1		109	
	Medium	26	93 174	8.5 (5.7-12.5)	1.69 (0.95-3.01)		107	
	Low	344	182 398	8.0 (7.1-9.0)	1.60 (1.03-2.48)		140	
Campania	High	607	960 276	8.2 (7.5-8.9)	1		109	
	Medium	600	1 599 876	9.3 (8.6-10.1)	1.14 (1.01-1.28)		120	
	Low	5 509	3 283 605	11.1 (10.8-11.4)	1.36 (1.25-1.48)		145	
Puglia	High	201	646 788	4.5 (3.9-5.2)	1		51	
	Medium	234	1 066 681	5.3 (4.6-6.0)	1.17 (0.97-1.42)		77	
	Low	2 891	2 564 345	6.8 (6.5-7.0)	1.51 (1.31-1.75)		92	
Basilicata	High	27	99 340	4.2 (2.8-6.3)	1		72	
	Medium	32	170 598	5.7 (3.9-8.3)	1.35 (0.78-2.34)		123	
	Low	596	343 548	8.1 (7.4-8.8)	1.91 (1.27-2.87)		98	
Calabria	High	165	366 406	6.5 (5.6-7.6)	1		79	
	Medium	124	542 152	6.8 (5.7-8.2)	1.05 (0.82-1.34)		120	
	Low	1 987	1 124 577	9.4 (8.9-9.8)	1.44 (1.22-1.69)		140	
Sicilia	High	574	839 323	7.7 (7.1-8.4)	1		95	
	Medium	615	1 416 022	9.8 (9.1-10.7)	1.27 (1.14-1.43)		113	
	Low	6 122	2 963 827	12.2 (11.9-12.5)	1.58 (1.45-1.73)		156	
Sardegna	High	110	317 889	5.0 (4.1-6.1)	1		78	
	Medium	134	506 958	5.8 (4.9-7.0)	1.16 (0.90-1.51)		79	
	Low	1 120	991 152	6.5 (6.1-6.9)	1.29 (1.05-1.57)		87	
Italia	High	5 929	11 962 838	5.8 (5.7-6.0)	1		74	
	Medium	7 373	20 529 020	6.7 (6.5-6.8)	1.15 (1.11-1.19)		87	
	Low	51 626	32 289 567	8.0 (7.9-8.0)	1.37 (1.33-1.41)		108	



## TUMORI MALIGNI ALL MALIGNANT NEOPLASMS

**SMR.** Nel 20% delle province si registra un eccesso di mortalità superiore al 6%. **UOMINI:** gli eccessi di mortalità riguardano principalmente il Setteentrione, coinvolgendo il Piemonte (ad eccezione del Cuneese), la Liguria di Levante, la Lombardia, l'Emilia occidentale, Trento, il Friuli Venezia Giulia e le province attraversate dal corso del Po. La mortalità è superiore alla media anche in Sardegna, nelle province costiere del Lazio, a Caserta e Napoli. **DONNE:** con l'eccezione del Trentino-Alto Adige e delle province venete confinanti, l'eccesso di mortalità riguarda tutta l'Italia settentrionale, soprattutto la Lombardia e la valle

del Po, ma si segnalano eccessi anche nella pianura campana (Napoli e Caserta) e, in misura minore, nell'alto Lazio e a Palermo. Questo pattern disegna un gradiente Sud-Nord e uno Est-Ovest, quest'ultimo osservabile soprattutto al Centro-Sud.

**PAF. UOMINI:** si osservano valori tra il 15-25% nelle regioni settentrionali (Valle d'Aosta sopra il 25%) e in quelle che si affacciano sulle coste occidentali del Paese. **DONNE:** non si registrano effetti del rischio attribuibile al basso livello di istruzione.

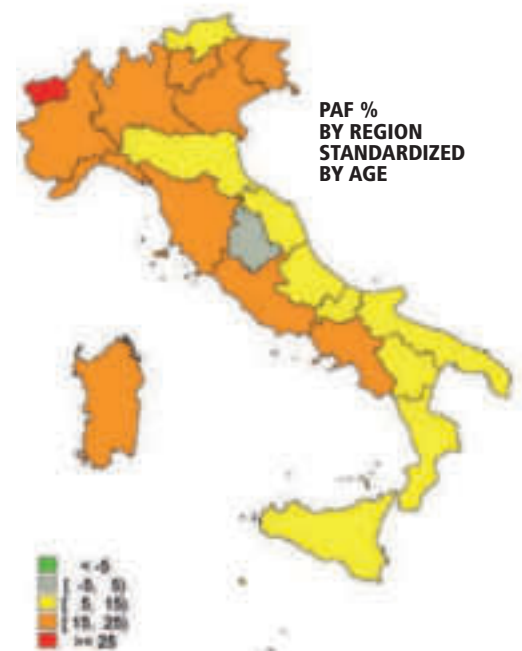
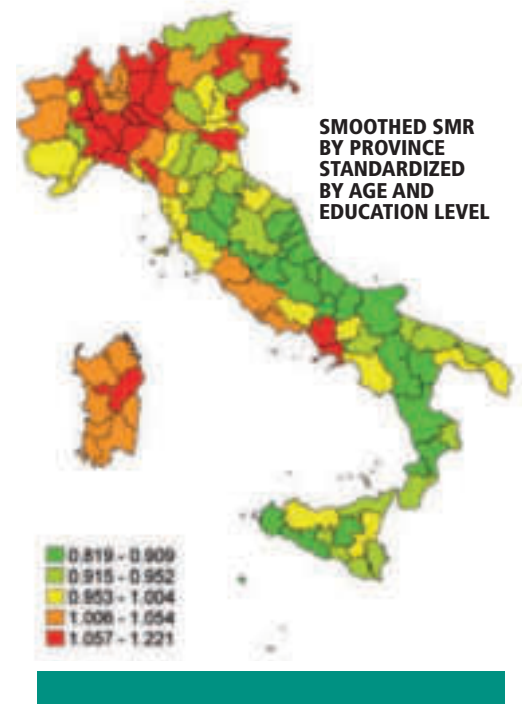
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	3 854	818 021	40.8 (39.5-42.2)	1	1 094
	Medium	5 376	1 580 984	46.7 (45.4-48.0)	1.14 (1.10-1.19)	1 353
	Low	12 314	2 065 138	52.0 (51.1-53.0)	1.27 (1.23-1.32)	1 658
Valle d'Aosta	High	88	23 025	36.2 (28.9-45.2)	1	1 061
	Medium	145	43 054	50.6 (42.5-60.4)	1.40 (1.05-1.86)	1 473
	Low	335	63 600	51.3 (45.9-57.2)	1.42 (1.11-1.82)	1 634
Lombardia	High	8 066	19 23 344	39.0 (38.2-39.9)	1	1 050
	Medium	10 526	3 478 639	48.0 (47.0-48.9)	1.23 (1.19-1.27)	1 385
	Low	25 114	4 387 573	55.9 (55.2-56.6)	1.43 (1.39-1.47)	1 667
Bolzano	High	357	86 156	36.6 (32.8-40.8)	1	924
	Medium	423	187 921	40.7 (36.8-45.1)	1.11 (0.96-1.29)	1 220
	Low	975	208 018	46.1 (43.2-49.1)	1.26 (1.11-1.43)	1 501
Trento	High	419	101 157	39.1 (35.3-43.2)	1	1 079
	Medium	562	210 020	48.0 (44.0-52.4)	1.23 (1.07-1.40)	1 393
	Low	1 190	202 879	51.0 (48.1-54.0)	1.30 (1.16-1.47)	1 529
Veneto	High	3 185	840 505	36.9 (35.6-38.3)	1	1 028
	Medium	4 309	1 783 406	43.7 (42.3-45.1)	1.18 (1.13-1.24)	1 299
	Low	12 994	2 275 576	51.8 (50.9-52.7)	1.40 (1.35-1.46)	1 573
Friuli Venezia Giulia	High	1 247	256 926	41.0 (38.6-43.4)	1	1 114
	Medium	1 856	518 112	50.3 (48.0-52.8)	1.23 (1.14-1.32)	1 474
	Low	3 016	482 532	55.2 (53.2-57.2)	1.35 (1.26-1.44)	1 773
Liguria	High	1 933	359 649	40.0 (38.2-41.9)	1	1 096
	Medium	2 331	602 274	47.3 (45.4-49.3)	1.18 (1.11-1.26)	1 332
	Low	4 217	644 480	51.9 (50.3-53.6)	1.30 (1.23-1.37)	1 670
Emilia-Romagna	High	3 421	864 484	38.3 (37.0-39.6)	1	1 101
	Medium	4 220	1 582 791	43.4 (42.1-44.8)	1.13 (1.08-1.19)	1 266
	Low	12 160	1 982 289	48.7 (47.8-49.6)	1.27 (1.22-1.32)	1 502
Toscana	High	3 000	710 841	37.6 (36.2-39.0)	1	1 046
	Medium	3 696	1 249 632	44.2 (42.8-45.7)	1.18 (1.12-1.24)	1 250
	Low	10 666	1 772 636	48.7 (47.8-49.7)	1.30 (1.24-1.35)	1 513
Umbria	High	760	180 175	40.8 (37.8-43.9)	1	1 166
	Medium	829	342 532	41.3 (38.4-44.4)	1.01 (0.91-1.13)	1 151
	Low	2 313	360 932	44.8 (42.9-46.8)	1.10 (1.01-1.20)	1 467
Marche	High	1 130	287 273	38.3 (36.0-40.7)	1	1 132
	Medium	1 384	538 873	44.5 (42.1-47.1)	1.16 (1.07-1.26)	1 310
	Low	4 325	720 635	44.5 (43.1-46.0)	1.16 (1.09-1.25)	1 357
Lazio	High	5 714	1 358 451	38.7 (37.6-39.7)	1	1 058
	Medium	6 059	2 073 918	47.4 (46.2-48.7)	1.23 (1.18-1.27)	1 439
	Low	11 333	1 968 190	52.6 (51.6-53.6)	1.36 (1.32-1.41)	1 682
Abruzzo	High	885	254 990	35.5 (33.1-38.0)	1	1 013
	Medium	1 108	468 140	42.7 (40.0-45.5)	1.20 (1.09-1.32)	1 296
	Low	3 113	578 741	41.3 (39.8-42.8)	1.16 (1.08-1.26)	1 340
Molise	High	176	56 815	32.4 (27.7-37.9)	1	950
	Medium	202	103 063	36.3 (31.1-42.3)	1.12 (0.90-1.39)	1 137
	Low	786	152 945	39.6 (36.8-42.6)	1.22 (1.03-1.45)	1 385
Campania	High	3 730	909 229	42.1 (40.7-43.6)	1	1 231
	Medium	5 473	1 717 812	51.6 (50.1-53.1)	1.22 (1.17-1.28)	1 579
	Low	13 350	2 609 431	56.6 (55.6-57.6)	1.34 (1.29-1.40)	1 896
Puglia	High	2 326	614 254	38.2 (36.6-39.9)	1	1 113
	Medium	2 920	1 149 011	44.3 (42.6-46.0)	1.16 (1.09-1.23)	1 260
	Low	10 329	2 086 918	46.6 (45.7-47.5)	1.22 (1.16-1.28)	1 458
Basilicata	High	288	91 178	35.0 (30.9-39.6)	1	1 047
	Medium	363	183 319	39.4 (35.0-44.3)	1.13 (0.95-1.34)	1 273
	Low	1 627	291 033	42.8 (40.6-45.0)	1.22 (1.07-1.40)	1 409
Calabria	High	1 174	325 325	38.6 (36.3-41.0)	1	1 031
	Medium	1 359	593 842	43.2 (40.8-45.9)	1.12 (1.03-1.22)	1 264
	Low	4 704	936 916	42.7 (41.5-44.0)	1.11 (1.04-1.18)	1 399
Sicilia	High	3 054	767 785	38.5 (37.1-40.0)	1	1 067
	Medium	3 843	1 434 675	44.3 (42.8-45.8)	1.15 (1.09-1.21)	1 349
	Low	12 229	2 454 220	47.0 (46.2-47.9)	1.22 (1.17-1.27)	1 523
Sardegna	High	999	247 778	41.0 (38.3-43.9)	1	1 125
	Medium	1 474	484 814	47.0 (44.4-49.7)	1.15 (1.05-1.25)	1 433
	Low	4 890	945 577	52.9 (51.4-54.4)	1.29 (1.20-1.39)	1 841
Italia	High	45 806	11 077 356	39.0 (38.6-39.3)	1	1 082
	Medium	58 458	20 326 825	46.2 (45.8-46.6)	1.19 (1.17-1.20)	1 357
	Low	151 980	27 190 254	50.5 (50.3-50.8)	1.30 (1.28-1.31)	1 598



### UOMINI MEN

ETÀ 30-89  
AGE 30-89



## TUMORI MALIGNI ALL MALIGNANT NEOPLASMS



**SMR.** An excess mortality of over 6% has been registered in 20% of provinces; **MEN:** excess mortality has been registered primarily in the North, in Piemonte (except the area of Cuneo), the Eastern Ligurian Riviera, Lombardia, Western Emilia, Trento, Friuli Venezia Giulia and in those provinces crossed by the Po river. Mortality is also higher than average in Sardegna, in the coastal provinces of Lazio, in Caserta and in Napoli. **WOMEN:** (except those in Trentino-Alto Adige and the bordering provinces of Veneto), excess mortality is seen in all of Northern Italy, especially Lombardia and the Po valley, but excess

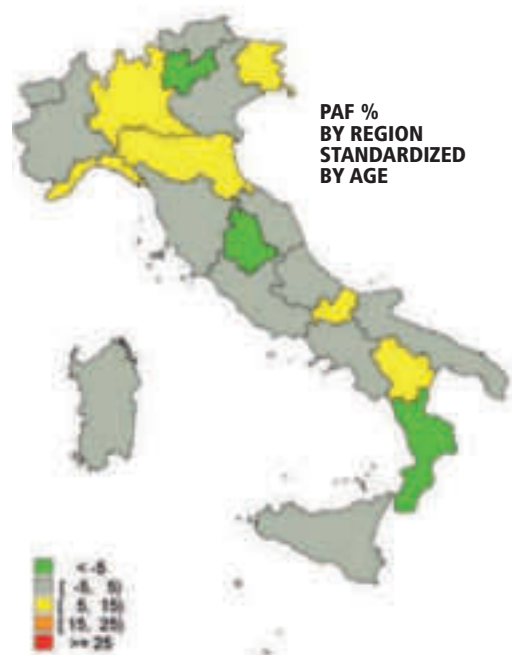
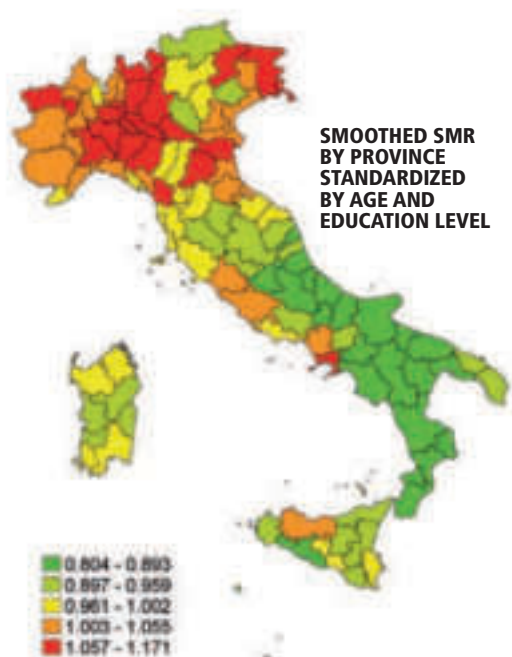
has also been registered in the Campania plain (Napoli and Caserta) as well as in upper Lazio and in Palermo, though less so. This pattern has a South-North gradient and an East-West gradient, especially in the Centre-South.

**PAF. MEN:** the PAF exceed 25% of 15-25% are seen in the Northern regions (Valle d'Aosta above 25%) and in those along the Country's Western coast. **WOMEN:** no risk attributable to low education level is seen.



### DONNE WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014						
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	2 084	836 082	25.9 (24.8-27.1)	1	905
	Medium	3 766	1 676 727	28.4 (27.5-29.3)	1.09 (1.04-1.16)	1 028
	Low	10 250	2 414 836	26.8 (26.3-27.4)	1.04 (0.99-1.09)	1 005
Valle d'Aosta	High	58	24 747	27.4 (20.9-35.8)	1	780
	Medium	108	47 069	29.6 (24.4-35.8)	1.08 (0.78-1.50)	1 160
	Low	273	67 283	27.6 (24.2-31.6)	1.01 (0.75-1.36)	1 106
Lombardia	High	4 520	1 989 400	25.1 (24.4-25.9)	1	883
	Medium	7 565	3 710 635	28.1 (27.4-28.7)	1.12 (1.08-1.16)	1 011
	Low	21 592	4 972 897	28.4 (28.0-28.9)	1.13 (1.10-1.17)	1 012
Bolzano	High	203	89 740	23.8 (20.6-27.5)	1	903
	Medium	321	199 428	24.9 (22.2-27.9)	1.05 (0.87-1.26)	910
	Low	792	223 412	23.9 (22.1-25.8)	1.00 (0.85-1.18)	870
Trento	High	252	103 543	27.7 (24.3-31.4)	1	983
	Medium	366	225 643	22.2 (20.0-24.7)	0.80 (0.68-0.95)	846
	Low	924	225 141	24.5 (22.8-26.3)	0.89 (0.77-1.02)	827
Veneto	High	1 746	833 402	25.1 (23.9-26.3)	1	841
	Medium	2 513	1 680 237	25.9 (24.8-27.0)	1.03 (0.97-1.10)	935
	Low	10 974	2 777 381	25.7 (25.2-26.2)	1.02 (0.97-1.08)	921
Friuli Venezia Giulia	High	711	263 149	27.4 (25.4-29.6)	1	967
	Medium	1 225	503 326	29.9 (28.3-31.7)	1.09 (0.99-1.20)	1098
	Low	2 948	612 209	29.1 (27.9-30.2)	1.06 (0.97-1.16)	1 055
Liguria	High	1 204	405 013	25.2 (23.7-26.7)	1	889
	Medium	1 622	661 034	27.1 (25.8-28.5)	1.08 (1.00-1.16)	985
	Low	3 639	786 175	26.7 (25.8-27.8)	1.06 (0.99-1.14)	1 027
Emilia-Romagna	High	2 258	982 490	25.7 (24.6-26.8)	1	885
	Medium	3 064	1 657 944	29.4 (28.3-30.5)	1.14 (1.08-1.21)	1 028
	Low	10 328	2 237 787	27.0 (26.4-27.6)	1.05 (1.00-1.10)	982
Toscana	High	1 851	804 123	24.9 (23.8-26.1)	1	917
	Medium	2 126	1 314 238	25.9 (24.8-27.1)	1.04 (0.98-1.11)	920
	Low	8 802	2 057 570	25.3 (24.8-25.9)	1.02 (0.97-1.07)	922
Umbria	High	482	205 592	26.3 (24.0-28.9)	1	967
	Medium	514	325 316	27.4 (24.9-30.1)	1.04 (0.91-1.19)	994
	Low	1 879	460 587	22.4 (21.3-23.6)	0.85 (0.77-0.95)	838
Marche	High	708	323 451	25.4 (23.6-27.4)	1	920
	Medium	784	519 041	25.3 (23.4-27.3)	1.00 (0.89-1.11)	983
	Low	3 514	856 620	23.8 (22.9-24.7)	0.94 (0.86-1.02)	890
Lazio	High	3 864	1 522 088	26.2 (25.4-27.1)	1	945
	Medium	3 993	2 177 071	28.2 (27.3-29.2)	1.08 (1.03-1.13)	1 030
	Low	9 879	2 438 459	26.7 (26.1-27.3)	1.02 (0.98-1.06)	1 007
Abruzzo	High	532	286 014	22.4 (20.5-24.5)	1	924
	Medium	583	435 854	23.4 (21.4-25.7)	1.04 (0.92-1.19)	909
	Low	2 423	705 762	20.6 (19.7-21.5)	0.92 (0.83-1.01)	773
Molise	High	101	63 987	19.5 (15.9-23.9)	1	683
	Medium	125	93 174	26.0 (21.3-31.8)	1.34 (1.00-1.78)	937
	Low	647	182 398	21.3 (19.5-23.2)	1.09 (0.88-1.37)	803
Campania	High	2 120	960276	25.6 (24.5-26.7)	1	950
	Medium	2 480	1 599 876	27.0 (25.9-28.2)	1.06 (0.99-1.12)	1 068
	Low	10 651	3 283 605	26.4 (25.8-26.9)	1.03 (0.98-1.08)	1 057
Puglia	High	1 212	646 788	23.1 (21.8-24.5)	1	888
	Medium	1 367	1 066 681	23.4 (22.0-24.8)	1.01 (0.93-1.10)	909
	Low	8 045	2 564 345	23.3 (22.8-23.8)	1.01 (0.95-1.07)	894
Basilicata	High	142	99 340	19.7 (16.6-23.5)	1	741
	Medium	178	170 598	23.0 (19.3-27.3)	1.16 (0.91-1.49)	875
	Low	1 198	343 548	22.1 (20.8-23.6)	1.12 (0.93-1.35)	822
Calabria	High	746	366 406	24.6 (22.8-26.5)	1	962
	Medium	613	542 152	21.8 (19.8-23.9)	0.89 (0.79-1.00)	882
	Low	3 448	1 124 577	21.0 (20.2-21.7)	0.85 (0.79-0.93)	780
Sicilia	High	1 967	839 323	24.7 (23.6-25.9)	1	960
	Medium	2 219	1 416 022	25.9 (24.8-27.1)	1.05 (0.98-1.12)	992
	Low	9 694	2 963 827	24.7 (24.2-25.2)	1.00 (0.95-1.05)	948
Sardegna	High	671	317 889	25.2 (23.2-27.2)	1	905
	Medium	820	506 958	25.3 (23.5-27.3)	1.01 (0.90-1.12)	1 005
	Low	3 352	991 152	24.7 (23.9-25.6)	0.98 (0.90-1.07)	965
Italia	High	27 432	11 962 838	25.2 (24.9-25.6)	1	911
	Medium	36 352	20 529 020	27.1 (26.8-27.4)	1.07 (1.06-1.09)	995
	Low	125 252	32 289 567	25.8 (25.6-25.9)	1.02 (1.01-1.04)	960



## TUMORI MALIGNI DELLO STOMACO

### MALIGNANT NEOPLASMS OF STOMACH

**SMR.** Si osservano eccessi molto rilevanti, superiori al 20% in un quinto delle regioni. Emergono alcuni cluster: uno in Lombardia ed Emilia occidentale, e uno in Centro Italia che va dal Tirreno all'Adriatico e include Toscana, Umbria, Marche, alto Lazio, oltre ad aree di Abruzzo, Molise e Campania.

**PAF.** Per i tumori maligni dello stomaco la frazione di mortalità attribuibile è superiore al 25%, sia tra gli **UOMINI**, sia tra le **DONNE**, in quasi tutte le regioni.

2012-2014

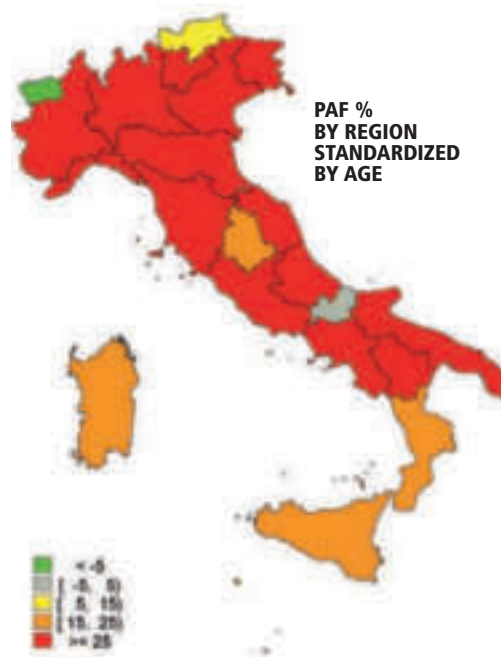
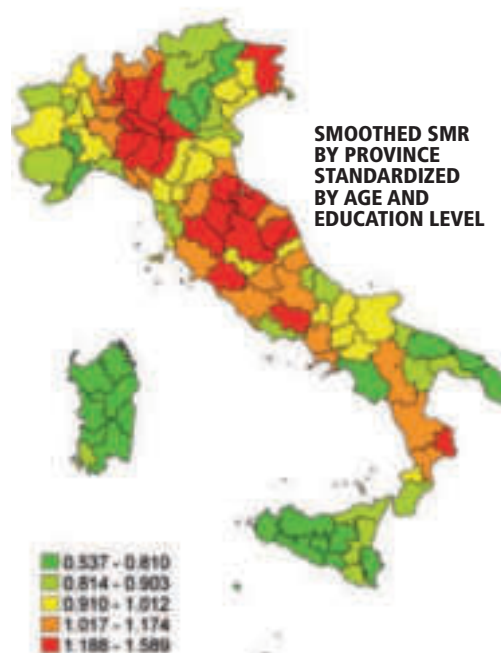
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	160	818 021	1.7 (1.4-2.0)	1	55
	Medium	268	1 580 984	2.4 (2.1-2.7)	1.41 (1.15-1.74)	69
	Low	714	2 065 138	3.0 (2.8-3.3)	1.81 (1.51-2.17)	102
Valle d'Aosta	High	6	23 025	2.3 (1.0-5.3)	1	53
	Medium	5	43 054	1.2 (0.5-2.8)	0.51 (0.15-1.71)	85
	Low	17	63 600	2.4 (1.5-3.9)	1.05 (0.40-2.74)	69
Lombardia	High	431	1 923 344	2.0 (1.9-2.3)	1	60
	Medium	684	3 478 639	3.1 (2.9-3.3)	1.51 (1.33-1.72)	92
	Low	1 933	4 387 573	4.3 (4.1-4.5)	2.09 (1.87-2.32)	124
Bolzano	High	18	86 156	2.1 (1.3-3.3)	1	40
	Medium	20	187 921	1.9 (1.2-3.1)	0.94 (0.48-1.84)	59
	Low	60	208 018	2.8 (2.2-3.6)	1.36 (0.78-2.37)	81
Trento	High	16	101 157	1.5 (0.9-2.5)	1	46
	Medium	27	210 020	2.2 (1.4-3.2)	1.46 (0.76-2.81)	75
	Low	55	202 879	2.3 (1.8-3.0)	1.56 (0.87-2.79)	72
Veneto	High	132	840 505	1.5 (1.2-1.8)	1	47
	Medium	203	1 783 406	2.1 (1.8-2.5)	1.42 (1.12-1.80)	60
	Low	707	2 275 576	2.8 (2.6-3.0)	1.88 (1.54-2.28)	82
Friuli Venezia Giulia	High	50	256 926	1.6 (1.2-2.2)	1	54
	Medium	106	518 112	2.8 (2.3-3.4)	1.72 (1.21-2.45)	90
	Low	208	482 532	3.7 (3.2-4.3)	2.27 (1.64-3.15)	114
Liguria	High	73	359 649	1.6 (1.2-2.0)	1	47
	Medium	105	602 274	2.1 (1.7-2.6)	1.35 (0.99-1.85)	67
	Low	222	644 480	2.7 (2.3-3.1)	1.70 (1.29-2.25)	82
Emilia-Romagna	High	175	864 484	1.9 (1.6-2.2)	1	55
	Medium	272	1 582 791	2.8 (2.5-3.2)	1.49 (1.22-1.82)	81
	Low	918	1 982 289	3.7 (3.4-3.9)	1.93 (1.63-2.29)	111
Toscana	High	138	710 841	1.8 (1.5-2.1)	1	56
	Medium	233	1 249 632	2.7 (2.4-3.1)	1.51 (1.21-1.89)	83
	Low	811	1 772 636	3.6 (3.3-3.9)	2.00 (1.65-2.42)	98
Umbria	High	46	180 175	2.4 (1.7-3.2)	1	73
	Medium	53	342 532	2.6 (1.9-3.4)	1.08 (0.71-1.65)	75
	Low	214	360 932	4.0 (3.5-4.7)	1.70 (1.21-2.40)	118
Marche	High	70	287 273	2.5 (1.9-3.2)	1	77
	Medium	105	538 873	3.4 (2.7-4.1)	1.36 (0.99-1.87)	99
	Low	379	720 635	3.9 (3.5-4.4)	1.58 (1.21-2.07)	121
Lazio	High	262	1 358 451	1.8 (1.6-2.0)	1	57
	Medium	342	2 073 918	2.6 (2.3-2.9)	1.49 (1.26-1.76)	87
	Low	800	1 968 190	3.7 (3.4-3.9)	2.08 (1.80-2.40)	114
Abruzzo	High	48	254 990	1.8 (1.4-2.5)	1	56
	Medium	70	468 140	2.8 (2.2-3.6)	1.55 (1.04-2.29)	72
	Low	222	578 741	2.8 (2.5-3.3)	1.55 (1.11-2.16)	81
Molise	High	12	56 815	2.5 (1.4-4.5)	1	59
	Medium	13	103 063	2.1 (1.2-3.8)	0.85 (0.37-1.95)	77
	Low	54	152 945	2.8 (2.1-3.7)	1.11 (0.58-2.13)	125
Campania	High	158	909 229	1.8 (1.5-2.1)	1	54
	Medium	286	1 717 812	2.6 (2.3-2.9)	1.42 (1.15-1.74)	90
	Low	773	2 609 431	3.2 (3.0-3.5)	1.79 (1.49-2.14)	115
Puglia	High	114	614 254	1.7 (1.4-2.1)	1	68
	Medium	143	1 149 011	2.3 (1.9-2.7)	1.30 (0.99-1.69)	57
	Low	583	2 086 918	2.7 (2.5-2.9)	1.53 (1.24-1.90)	88
Basilicata	High	15	91 178	1.8 (1.1-3.2)	1	55
	Medium	26	183 319	2.2 (1.4-3.3)	1.17 (0.58-2.35)	105
	Low	128	291 033	3.4 (2.9-4.1)	1.85 (1.04-3.30)	119
Calabria	High	73	325 325	2.4 (1.9-3.1)	1	62
	Medium	88	593 842	2.8 (2.2-3.5)	1.15 (0.82-1.62)	80
	Low	385	936 916	3.4 (3.1-3.8)	1.42 (1.09-1.85)	110
Sicilia	High	135	767 785	1.7 (1.4-2.0)	1	49
	Medium	201	1 434 675	2.2 (1.9-2.5)	1.31 (1.04-1.65)	79
	Low	606	2 454 220	2.3 (2.1-2.5)	1.38 (1.13-1.67)	78
Sardegna	High	36	247 778	1.5 (1.1-2.2)	1	46
	Medium	52	484 814	1.7 (1.2-2.2)	1.09 (0.68-1.73)	51
	Low	199	945 577	2.1 (1.9-2.5)	1.41 (0.96-2.07)	73
Italia	High	2 168	11 077 356	1.8 (1.7-1.9)	1	56
	Medium	3 302	20 326 825	2.6 (2.5-2.7)	1.41 (1.33-1.49)	79
	Low	9 988	27 190 254	3.3 (3.2-3.4)	1.80 (1.71-1.89)	102



## UOMINI

### MEN

ETÀ 30-89  
AGE 30-89



## TUMORI MALIGNI DELLO STOMACO MALIGNANT NEOPLASMS OF STOMACH



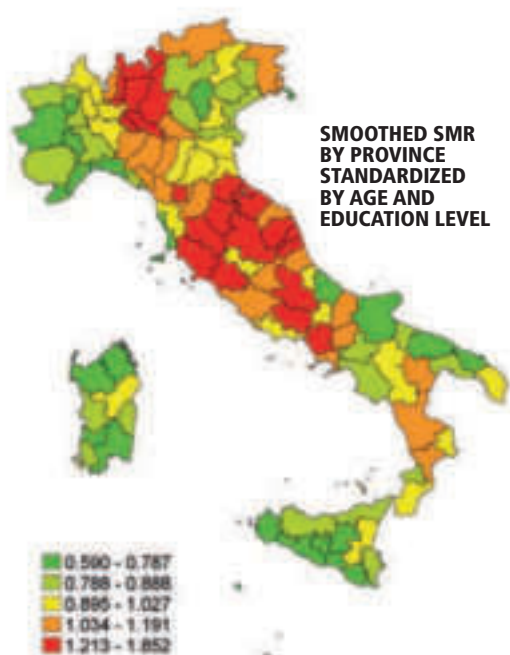
**SMR.** Considerable excess is seen when looking at specific tumour sites. For example, a 20% excess for malignant neoplasms of stomach is seen in a fifth of the regions. Two clusters emerge: one in Lombardia and Western Emilia and one in Central Italy, from the Tyrrhenian Sea to the Adriatic Sea, including Toscana, Umbria, Marche and upper Lazio, as well as areas of Abruzzo, Molise and Campania.

**PAF.** The PAF for malignant neoplasms of stomach are above 25% for **MEN** and **WOMEN**, in almost all regions.

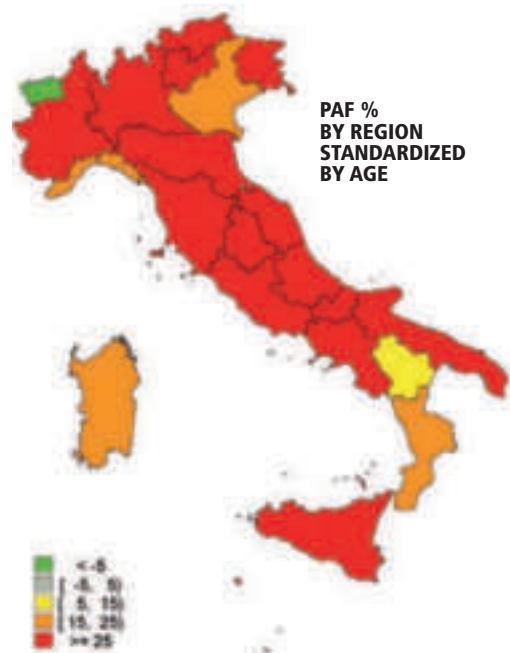


### DONNE WOMEN

ETÀ 30-89  
AGE 30-89



SMOOTHED SMR  
BY PROVINCE  
STANDARDIZED  
BY AGE AND  
EDUCATION LEVEL



PAF %  
BY REGION  
STANDARDIZED  
BY AGE

2012-2014								
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)		MMR (95%CI)	RATE x10 000	
Piemonte	High	57	83 6082	0.7	(0.5-0.9)	1		21
	Medium	128	1 676 727	1.0	(0.8-1.2)	1.38	(1.00-1.90)	33
	Low	463	2 414 836	1.2	(1.1-1.3)	1.64	(1.24-2.18)	41
Valle d'Aosta	High	3	24 747	1.5	(0.5-5.0)	1		26
	Medium	4	47 069	1.1	(0.4-3.1)	0.74	(0.16-3.55)	28
	Low	14	67 283	1.5	(0.8-2.9)	1.02	(0.26-3.97)	70
Lombardia	High	140	1 989 400	0.8	(0.7-0.9)	1		24
	Medium	329	3 710 635	1.2	(1.1-1.4)	1.57	(1.28-1.92)	41
	Low	1 419	4 972 897	1.8	(1.7-1.9)	2.24	(1.88-2.68)	55
Bolzano	High	6	89 740	0.7	(0.3-1.7)	1		28
	Medium	15	199 428	1.2	(0.7-2.0)	1.63	(0.61-4.37)	43
	Low	62	223 412	1.7	(1.3-2.2)	2.24	(0.93-5.43)	43
Trento	High	5	103 543	0.5	(0.2-1.1)	1		24
	Medium	14	225 643	0.9	(0.5-1.5)	1.88	(0.66-5.36)	28
	Low	37	225 141	1.0	(0.7-1.4)	2.06	(0.78-5.45)	34
Veneto	High	57	833 402	0.8	(0.6-1.1)	1		29
	Medium	80	1 680 237	0.8	(0.6-1.0)	0.94	(0.66-1.35)	30
	Low	565	2 777 381	1.2	(1.1-1.3)	1.43	(1.08-1.90)	34
Friuli Venezia Giulia	High	17	263 149	0.6	(0.4-1.1)	1		18
	Medium	41	503 326	1.0	(0.7-1.4)	1.57	(0.88-2.79)	38
	Low	167	612 209	1.6	(1.3-1.8)	2.41	(1.44-4.01)	54
Liguria	High	28	405 013	0.6	(0.4-0.9)	1		28
	Medium	40	661 034	0.7	(0.5-0.9)	1.05	(0.64-1.73)	18
	Low	155	786 175	1.0	(0.9-1.3)	1.66	(1.09-2.55)	32
Emilia-Romagna	High	65	982 490	0.7	(0.6-0.9)	1		25
	Medium	135	1 657 944	1.3	(1.1-1.6)	1.81	(1.33-2.46)	44
	Low	710	2 237 787	1.7	(1.6-1.9)	2.36	(1.81-3.07)	53
Toscana	High	65	804 123	0.9	(0.7-1.1)	1		31
	Medium	77	1 314 238	1.0	(0.8-1.3)	1.14	(0.81-1.60)	30
	Low	662	2 057 570	1.8	(1.6-1.9)	1.99	(1.53-2.59)	53
Umbria	High	10	205 592	0.6	(0.3-1.1)	1		24
	Medium	25	325 316	1.3	(0.8-2.0)	2.26	(1.05-4.86)	46
	Low	174	460 587	1.8	(1.5-2.2)	3.22	(1.67-6.19)	58
Marche	High	21	323 451	0.8	(0.5-1.2)	1		25
	Medium	47	519 041	1.5	(1.1-2.1)	1.97	(1.14-3.39)	60
	Low	306	856 620	1.8	(1.6-2.0)	2.34	(1.48-3.71)	50
Lazio	High	127	1 522 088	0.8	(0.7-1.0)	1		26
	Medium	169	2 177 071	1.2	(1.0-1.4)	1.47	(1.16-1.87)	43
	Low	672	2 438 459	1.7	(1.6-1.8)	2.06	(1.69-2.50)	55
Abruzzo	High	22	286 014	0.9	(0.6-1.4)	1		52
	Medium	26	435 854	1.1	(0.7-1.7)	1.21	(0.66-2.23)	38
	Low	190	705 762	1.4	(1.2-1.6)	1.56	(0.98-2.48)	38
Molise	High	6	63 987	1.2	(0.5-2.7)	1		50
	Medium	11	93 174	2.2	(1.1-4.2)	1.85	(0.63-5.37)	97
	Low	48	182 398	1.5	(1.1-2.1)	1.27	(0.52-3.11)	58
Campania	High	70	960 276	0.8	(0.6-1.0)	1		37
	Medium	114	1 599 876	1.2	(1.0-1.4)	1.44	(1.05-1.98)	52
	Low	673	3 283 605	1.6	(1.5-1.7)	1.99	(1.54-2.56)	58
Puglia	High	35	646 788	0.6	(0.5-0.9)	1		25
	Medium	54	1 066 681	0.9	(0.7-1.2)	1.40	(0.89-2.21)	36
	Low	414	2 564 345	1.2	(1.0-1.3)	1.79	(1.24-2.57)	39
Basilicata	High	10	99 340	1.5	(0.8-2.8)	1		51
	Medium	11	170 598	1.7	(0.9-3.3)	1.19	(0.48-2.96)	59
	Low	98	343 548	1.8	(1.4-2.2)	1.20	(0.60-2.40)	65
Calabria	High	34	366 406	1.1	(0.8-1.6)	1		46
	Medium	31	542 152	1.1	(0.7-1.7)	1.00	(0.57-1.73)	42
	Low	269	1 124 577	1.6	(1.4-1.8)	1.41	(0.97-2.05)	51
Sicilia	High	55	839 323	0.7	(0.5-0.9)	1		32
	Medium	97	1 416 022	1.1	(0.9-1.4)	1.59	(1.13-2.26)	44
	Low	494	2 963 827	1.3	(1.2-1.4)	1.78	(1.33-2.37)	53
Sardegna	High	19	317 889	0.7	(0.5-1.2)	1		19
	Medium	26	506 958	0.8	(0.6-1.3)	1.15	(0.61-2.15)	32
	Low	158	991 152	1.1	(0.9-1.3)	1.47	(0.89-2.42)	31
Italia	High	852	11 962 838	0.8	(0.7-0.8)	1		28
	Medium	1 474	20 529 020	1.1	(1.1-1.2)	1.41	(1.29-1.54)	40
	Low	7 750	32 289 567	1.5	(1.5-1.5)	1.91	(1.78-2.06)	49



## TUMORI MALIGNI DEL COLON, DEL RETTO E DELL'ANO

### MALIGNANT NEOPLASMS OF COLON, RECTUM, AND ANUS

**SMR.** Nel 20% delle province la mortalità ha eccessi moderati, intorno al 5% e mostra un gradiente Est-Ovest. **UOMINI:** eccessi sono presenti in particolare in Piemonte, Liguria, Sardegna. **DONNE:** si segnalano eccessi specialmente in Sicilia e Lazio e un cluster in Emilia orientale (Bologna e Ferrara). Una parte degli SMR inferiori ai valori attesi potrebbe essere dovuta all'effetto protettivo dei programmi di screening implementati precocemente e in modo efficace, con il raggiungimento di elevate coperture, come nel caso di Firenze, Prato, Reggio, Modena, e gran parte del Veneto (eccetto Venezia).

**PAF.** I valori sono al di sotto del 15% in quasi tutte le regioni. **UOMINI:** si osservano valori oltre il 15% in Lombardia, Marche, Basilicata e oltre il 25% a Bolzano; un livello di istruzione più basso risulta protettivo in Valle d'Aosta.

**DONNE:** si osservano valori oltre il 25% in Molise e Basilicata. Un livello di istruzione più basso risulta protettivo in Valle d'Aosta, in Veneto e Trentino.

2012-2014

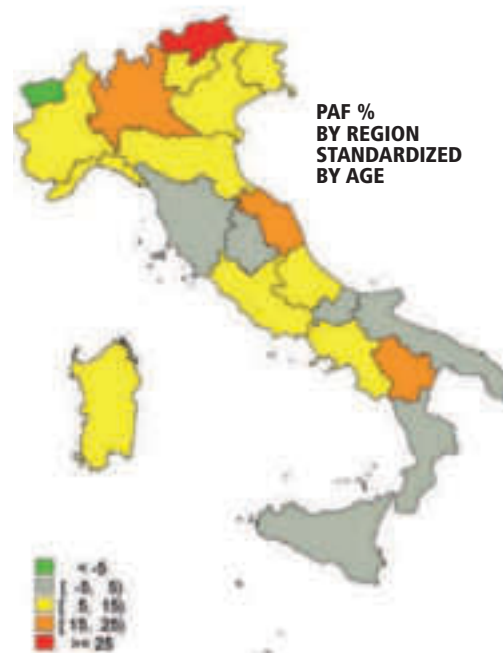
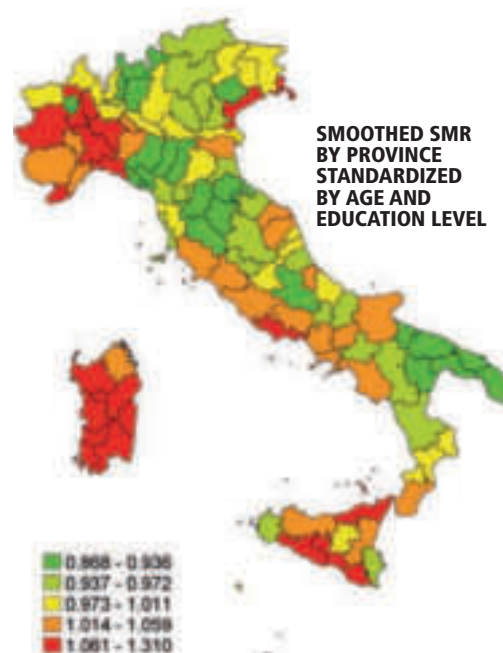
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	456	818 021	4.9 (4.4-5.4)	1	132
	Medium	629	1 580 984	5.6 (5.1-6.1)	1.14 (1.01-1.30)	152
	Low	1 380	2 065 138	5.8 (5.5-6.1)	1.18 (1.06-1.32)	171
Valle d'Aosta	High	13	23 025	5.8 (3.3-10.1)	1	53
	Medium	10	43 054	4.0 (2.1-7.6)	0.69 (0.29-1.64)	75
	Low	31	63 600	4.8 (3.3-6.8)	0.83 (0.42-1.62)	126
Lombardia	High	835	1 923 344	4.1 (3.8-4.4)	1	109
	Medium	1 081	3 478 639	5.0 (4.7-5.3)	1.21 (1.11-1.33)	138
	Low	2 367	4 387 573	5.2 (5.0-5.4)	1.27 (1.17-1.38)	140
Bolzano	High	36	86 156	3.4 (2.4-4.8)	1	96
	Medium	46	187 921	4.5 (3.3-6.1)	1.32 (0.84-2.08)	120
	Low	113	208 018	5.1 (4.3-6.2)	1.51 (1.03-2.21)	142
Trento	High	48	101 157	4.2 (3.1-5.7)	1	111
	Medium	50	210 020	4.0 (3.0-5.4)	0.95 (0.63-1.45)	136
	Low	120	202 879	5.3 (4.4-6.3)	1.25 (0.88-1.77)	181
Veneto	High	384	840 505	4.5 (4.1-5.1)	1	118
	Medium	475	1 783 406	5.0 (4.5-5.5)	1.09 (0.95-1.26)	137
	Low	1 295	2 275 576	5.1 (4.8-5.4)	1.12 (1.00-1.27)	151
Friuli Venezia Giulia	High	146	256 926	4.8 (4.1-5.8)	1	130
	Medium	203	518 112	5.6 (4.9-6.5)	1.16 (0.93-1.45)	158
	Low	324	482 532	5.8 (5.2-6.4)	1.19 (0.97-1.46)	162
Liguria	High	240	359 649	5.0 (4.4-5.7)	1	122
	Medium	272	602 274	5.6 (5.0-6.3)	1.12 (0.94-1.34)	147
	Low	433	644 480	5.4 (4.9-6.0)	1.08 (0.91-1.27)	173
Emilia-Romagna	High	368	864 484	4.3 (3.8-4.8)	1	125
	Medium	431	1 582 791	4.6 (4.1-5.1)	1.07 (0.93-1.24)	122
	Low	1 271	1 982 289	5.0 (4.7-5.3)	1.16 (1.03-1.31)	144
Toscana	High	347	710 841	4.4 (4.0-4.9)	1	121
	Medium	370	1 249 632	4.5 (4.0-5.0)	1.01 (0.87-1.18)	121
	Low	1 063	1 772 636	4.8 (4.5-5.1)	1.07 (0.95-1.22)	135
Umbria	High	91	180 175	4.8 (3.9-6.0)	1	132
	Medium	94	342 532	4.7 (3.8-5.8)	0.97 (0.71-1.31)	126
	Low	256	360 932	5.0 (4.3-5.7)	1.03 (0.80-1.33)	164
Marche	High	127	287 273	4.4 (3.6-5.2)	1	119
	Medium	175	538 873	5.7 (4.9-6.7)	1.30 (1.02-1.66)	164
	Low	513	720 635	5.3 (4.9-5.8)	1.22 (0.99-1.49)	168
Lazio	High	664	1 358 451	4.6 (4.3-5.0)	1	114
	Medium	679	2 073 918	5.4 (5.0-5.8)	1.17 (1.05-1.31)	154
	Low	1 238	1 968 190	5.7 (5.4-6.0)	1.24 (1.12-1.36)	167
Abruzzo	High	112	254 990	4.4 (3.6-5.4)	1	156
	Medium	149	468 140	5.9 (4.9-7.0)	1.33 (1.03-1.73)	169
	Low	366	578 741	4.9 (4.4-5.5)	1.11 (0.89-1.39)	155
Molise	High	22	56 815	4.4 (2.8-6.8)	1	138
	Medium	25	103 063	4.3 (2.8-6.7)	0.98 (0.52-1.83)	146
	Low	89	152 945	4.3 (3.5-5.4)	0.99 (0.60-1.62)	137
Campania	High	427	909 229	4.7 (4.3-5.2)	1	140
	Medium	511	1 717 812	4.9 (4.4-5.4)	1.03 (0.90-1.18)	147
	Low	1 277	2 609 431	5.4 (5.1-5.7)	1.14 (1.02-1.28)	165
Puglia	High	280	614 254	4.6 (4.0-5.2)	1	135
	Medium	332	1 149 011	5.1 (4.6-5.7)	1.12 (0.95-1.33)	143
	Low	1 014	2 086 918	4.5 (4.3-4.8)	1.00 (0.87-1.15)	136
Basilicata	High	29	91 178	3.5 (2.4-5.2)	1	106
	Medium	42	183 319	5.4 (3.8-7.6)	1.52 (0.90-2.55)	130
	Low	184	291 033	4.5 (3.8-5.2)	1.26 (0.83-1.91)	121
Calabria	High	156	325 325	5.1 (4.3-6.0)	1	135
	Medium	172	593 842	5.6 (4.7-6.6)	1.11 (0.87-1.40)	160
	Low	548	936 916	5.0 (4.6-5.4)	0.98 (0.81-1.18)	149
Sicilia	High	400	767 785	5.1 (4.6-5.6)	1	138
	Medium	468	1 434 675	5.6 (5.1-6.2)	1.10 (0.96-1.27)	154
	Low	1 389	2 454 220	5.2 (5.0-5.5)	1.03 (0.92-1.16)	150
Sardegna	High	126	247 778	5.0 (4.2-6.1)	1	138
	Medium	159	484 814	5.0 (4.3-6.0)	1.00 (0.78-1.29)	155
	Low	556	945 577	6.0 (5.5-6.5)	1.19 (0.97-1.47)	198
Italia	High	5 307	11 077 356	4.6 (4.4-4.7)	1	124
	Medium	6 373	20 326 825	5.1 (5.0-5.3)	1.12 (1.08-1.17)	143
	Low	15 827	27 190 254	5.2 (5.1-5.3)	1.14 (1.10-1.17)	152



### UOMINI

#### MEN

ETÀ 30-89  
AGE 30-89



## TUMORI MALIGNI DEL COLON, DEL RETTO E DELL'ANO

### MALIGNANT NEOPLASMS OF COLON, RECTUM, AND ANUS



**SMR.** Mortality shows moderate excess – around 5% in 20% of the provinces – and has an East-West gradient. **MEN:** there is excess mortality especially in Piemonte, Liguria, Sardegna, Sicilia and Lazio. **WOMEN:** of note is a cluster in Eastern Emilia (Bologna and Ferrara). Some of the lower-than-expected values of mortality may be explained in part by the protective effect of screening, when implemented early and effectively. For example, Firenze, Prato, Reggio Emilia, Modena and Veneto (except Venezia) all have a high level of screening coverage.

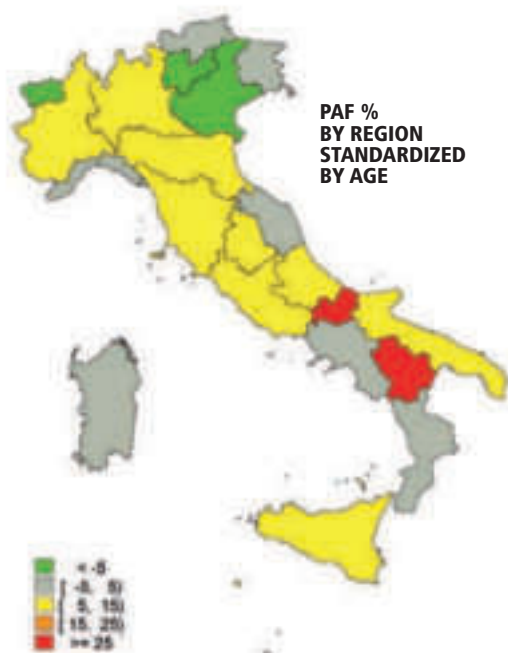
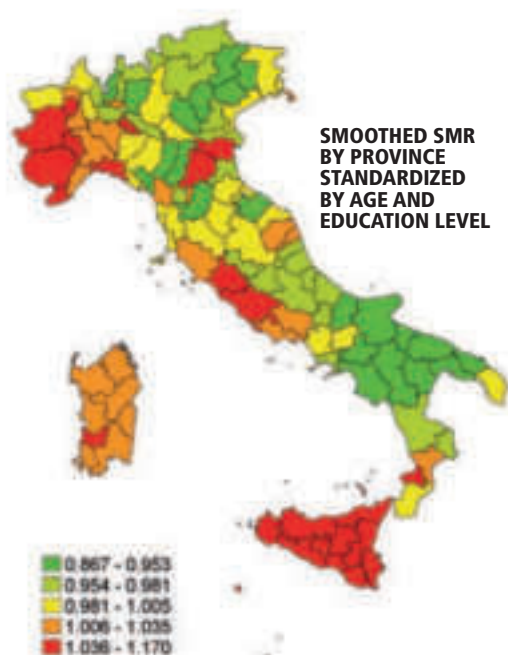
**PAF.** The PAF is below 15% in almost all regions. **MEN:** values above 15% for can be seen in Lombardia, Marche, Basilicata, and above 25% in Bolzano; a low education level is protective in Valle d'Aosta. **WOMEN:** values above 25% are seen in Molise and Basilicata. A low education level is protective in Valle d'Aosta, and also in Veneto and Trentino.



### DONNE

#### WOMEN

**ETÀ 30-89**  
**AGE 30-89**



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	218	836 082	2.7 (2.4-3.1)	1		79	
	Medium	409	1 676 727	3.1 (2.9-3.5)	1.16 (0.98-1.37)		99	
	Low	1 270	2 414 836	3.1 (3.0-3.3)	1.15 (0.99-1.34)		107	
Valle d'Aosta	High	7	24 747	3.6 (1.7-7.6)	1		40	
	Medium	10	47 069	2.9 (1.6-5.5)	0.83 (0.31-2.22)		87	
	Low	23	67 283	1.8 (1.2-2.9)	0.52 (0.21-1.26)		41	
Lombardia	High	435	1 989 400	2.5 (2.2-2.7)	1		71	
	Medium	710	3 710 635	2.7 (2.5-2.9)	1.11 (0.98-1.25)		84	
	Low	2 274	4 972 897	2.9 (2.7-3.0)	1.16 (1.04-1.29)		88	
Bolzano	High	24	89 740	2.9 (1.9-4.4)	1		86	
	Medium	37	199 428	3.2 (2.3-4.4)	1.10 (0.64-1.88)		82	
	Low	94	223 412	2.7 (2.1-3.3)	0.93 (0.58-1.49)		82	
Trento	High	35	103 543	3.8 (2.7-5.3)	1		126	
	Medium	41	225 643	2.4 (1.8-3.3)	0.65 (0.41-1.03)		93	
	Low	105	225 141	2.6 (2.1-3.2)	0.70 (0.47-1.04)		68	
Veneto	High	187	833 402	2.8 (2.4-3.2)	1		92	
	Medium	234	1 680 237	2.5 (2.2-2.9)	0.92 (0.75-1.12)		77	
	Low	1 141	2 777 381	2.6 (2.4-2.7)	0.93 (0.79-1.09)		85	
Friuli Venezia Giulia	High	74	263 149	2.9 (2.3-3.6)	1		109	
	Medium	126	503 326	3.1 (2.6-3.7)	1.09 (0.81-1.47)		107	
	Low	307	612 209	2.8 (2.5-3.2)	0.99 (0.76-1.29)		88	
Liguria	High	154	405 013	3.2 (2.7-3.8)	1		108	
	Medium	203	661 034	3.4 (3.0-3.9)	1.07 (0.86-1.32)		113	
	Low	448	786 175	3.2 (2.8-3.5)	0.99 (0.82-1.21)		117	
Emilia-Romagna	High	223	982 490	2.6 (2.2-2.9)	1		81	
	Medium	304	1 657 944	3.1 (2.8-3.5)	1.21 (1.01-1.45)		86	
	Low	1 151	2 237 787	2.7 (2.5-2.9)	1.06 (0.92-1.24)		86	
Toscana	High	176	804 123	2.4 (2.1-2.8)	1		76	
	Medium	229	1 314 238	3.0 (2.6-3.4)	1.24 (1.01-1.52)		87	
	Low	1 050	2 057 570	2.8 (2.6-3.0)	1.16 (0.98-1.37)		88	
Umbria	High	49	205 592	2.8 (2.1-3.7)	1		85	
	Medium	58	325 316	3.5 (2.7-4.7)	1.27 (0.85-1.90)		106	
	Low	242	460 587	2.7 (2.4-3.2)	0.99 (0.72-1.37)		91	
Marche	High	78	323 451	2.8 (2.2-3.5)	1		92	
	Medium	89	519 041	3.1 (2.5-3.9)	1.11 (0.80-1.53)		109	
	Low	435	856 620	2.7 (2.5-3.1)	0.99 (0.77-1.27)		88	
Lazio	High	423	1 522 088	2.9 (2.6-3.2)	1		84	
	Medium	434	2 177 071	3.2 (2.9-3.5)	1.12 (0.97-1.28)		101	
	Low	1 229	2 438 459	3.2 (3.0-3.4)	1.10 (0.98-1.24)		104	
Abruzzo	High	61	286 014	2.7 (2.1-3.5)	1		103	
	Medium	76	435 854	3.5 (2.8-4.5)	1.31 (0.92-1.88)		101	
	Low	311	705 762	2.6 (2.3-2.9)	0.95 (0.71-1.27)		90	
Molise	High	6	63 987	1.2 (0.5-2.7)	1		15	
	Medium	19	93 174	4.9 (3.0-7.9)	4.01 (1.55-10.39)		107	
	Low	78	182 398	2.1 (1.7-2.7)	1.76 (0.75-4.11)		48	
Campania	High	216	960 276	2.7 (2.3-3.1)	1		94	
	Medium	245	1 599 876	3.0 (2.7-3.5)	1.13 (0.93-1.37)		88	
	Low	1 144	3 283 605	2.7 (2.6-2.9)	1.01 (0.87-1.17)		88	
Puglia	High	128	646 788	2.3 (2.0-2.8)	1		79	
	Medium	142	1 066 681	2.8 (2.4-3.4)	1.21 (0.94-1.56)		82	
	Low	973	2 564 345	2.7 (2.5-2.9)	1.15 (0.95-1.40)		86	
Basilicata	High	11	99 340	1.6 (0.9-3.0)	1		63	
	Medium	18	170 598	2.3 (1.3-4.0)	1.43 (0.63-3.25)		92	
	Low	155	343 548	2.6 (2.2-3.1)	1.62 (0.86-3.07)		78	
Calabria	High	87	366 406	3.0 (2.5-3.8)	1		119	
	Medium	73	542 152	3.0 (2.3-3.8)	0.97 (0.69-1.37)		97	
	Low	499	1 124 577	2.9 (2.6-3.2)	0.95 (0.75-1.20)		95	
Sicilia	High	234	839 323	2.9 (2.6-3.4)	1		102	
	Medium	246	1 416 022	3.2 (2.8-3.7)	1.10 (0.91-1.32)		93	
	Low	1 404	2 963 827	3.4 (3.2-3.5)	1.14 (0.99-1.31)		105	
Sardegna	High	85	317 889	3.1 (2.4-3.8)	1		112	
	Medium	93	506 958	3.3 (2.6-4.1)	1.07 (0.78-1.47)		99	
	Low	403	991 152	2.8 (2.5-3.1)	0.91 (0.71-1.16)		87	
Italia	High	2 911	11 962 838	2.7 (2.6-2.8)	1		87	
	Medium	3 796	20 529 020	3.0 (2.9-3.1)	1.11 (1.05-1.16)		92	
	Low	14 736	32 289 567	2.9 (2.8-2.9)	1.06 (1.01-1.10)		92	



# TUMORI MALIGNI DEL FEGATO E DEI DOTTI BILIARI INTRAEPATICI

## MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPATIC BILE DUCTS

**SMR.** Gli eccessi sono più forti per gli uomini che per le donne (è del 22% per i primi e del 9% per le seconde, all'80° centile della distribuzione degli SMR). **UOMINI:** si segnalano eccessi in Val d'Aosta, gran parte del Triveneto, Sardegna, pianura campana e parte della Puglia. **DONNE:** spicca un cluster in corrispondenza della Lombardia e delle province occidentali dell'Emilia ed eccessi meno marcati a Trento e su parte del Veneto.

Al Sud si osserva un'elevata mortalità in una zona ampia tra Campania e Puglia, parte della Sicilia e nel Nord della Sardegna.

**PAF. UOMINI:** i valori sono mediamente più elevati tra gli uomini; sono superiori al 25% nelle regioni settentrionali (eccetto Emilia-Romagna e Bolzano), nelle Marche, in Puglia e Calabria. **DONNE:** eccessi superiori al 25% in Lombardia, Emilia-Romagna, Aosta, Bolzano, Molise, Sardegna, mentre un basso titolo di studio risulta protettivo in Trentino, Umbria e Basilicata. In Veneto a un basso titolo di studio è attribuibile un eccesso superiore al 25% tra gli uomini, ma non tra le donne. I PAF sono alti nelle stesse aree in cui c'è un eccesso d'incidenza, evidenziando che il fenomeno risulta prevalentemente a carico della popolazione con bassa istruzione.

2012-2014

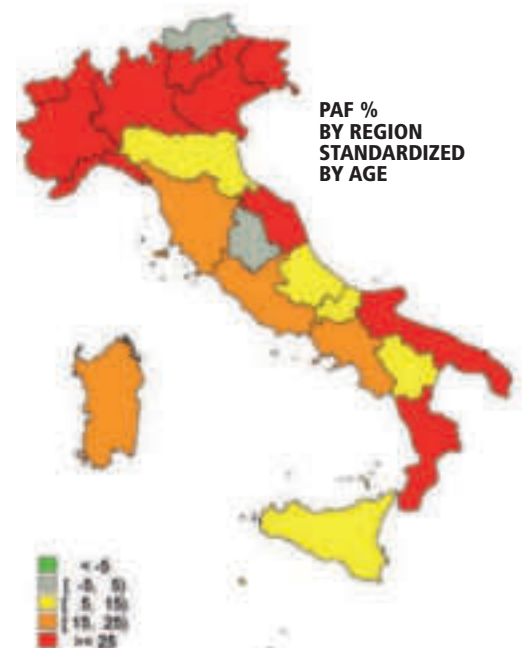
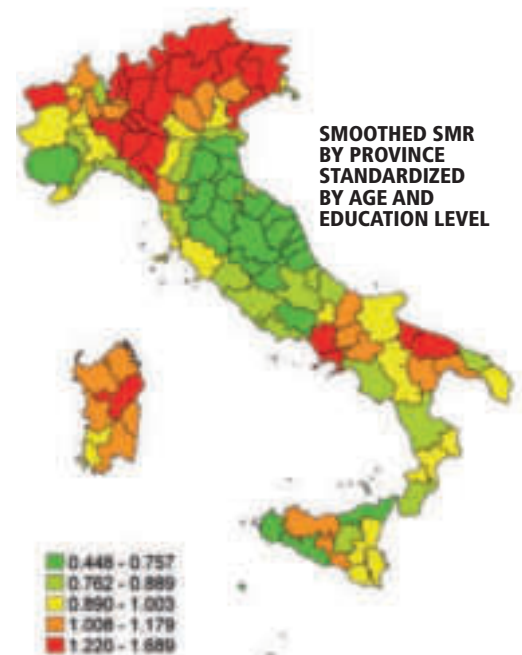
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	206	818 021	2.1 (1.8-2.4)	1	56
	Medium	308	1 580 984	2.6 (2.3-2.9)	1.22 (1.01-1.46)	84
	Low	804	2 065 138	3.5 (3.2-3.7)	1.63 (1.39-1.91)	137
Valle d'Aosta	High	10	23 025	3.1 (1.6-5.9)	1	109
	Medium	14	43 054	3.8 (2.2-6.5)	1.23 (0.53-2.85)	175
	Low	33	63 600	5.1 (3.6-7.3)	1.66 (0.8-3.47)	190
Lombardia	High	533	1 923 344	2.5 (2.3-2.8)	1	61
	Medium	858	3 478 639	3.8 (3.5-4.0)	1.49 (1.34-1.67)	120
	Low	2 259	4 387 573	5.0 (4.8-5.2)	1.99 (1.8-2.19)	167
Bolzano	High	40	86 156	3.9 (2.8-5.5)	1	106
	Medium	37	187 921	3.3 (2.3-4.6)	0.83 (0.52-1.34)	123
	Low	89	208 018	4.3 (3.5-5.3)	1.08 (0.73-1.6)	149
Trento	High	30	101 157	2.7 (1.8-3.9)	1	78
	Medium	51	210 020	4.1 (3.1-5.4)	1.52 (0.95-2.44)	141
	Low	116	202 879	5.0 (4.1-6.0)	1.86 (1.22-2.83)	141
Veneto	High	222	840 505	2.5 (2.2-2.9)	1	70
	Medium	342	1 783 406	3.5 (3.1-3.9)	1.37 (1.15-1.65)	104
	Low	1 051	2 275 576	4.3 (4.0-4.5)	1.68 (1.44-1.96)	151
Friuli Venezia Giulia	High	88	256 926	2.8 (2.3-3.5)	1	74
	Medium	155	518 112	4.2 (3.5-4.9)	1.47 (1.12-1.93)	129
	Low	225	482 532	4.3 (3.8-5.0)	1.53 (1.18-1.98)	162
Liguria	High	73	359 649	1.6 (1.2-2.0)	1	46
	Medium	113	602 274	2.3 (1.9-2.7)	1.45 (1.07-1.97)	75
	Low	287	644 480	3.6 (3.2-4.1)	2.33 (1.78-3.06)	144
Emilia-Romagna	High	220	864 484	2.4 (2.1-2.8)	1	63
	Medium	246	1 582 791	2.5 (2.2-2.9)	1.04 (0.86-1.25)	74
	Low	730	1 982 289	3.1 (2.8-3.3)	1.27 (1.09-1.49)	122
Toscana	High	173	710 841	2.2 (1.9-2.5)	1	56
	Medium	214	1 249 632	2.6 (2.2-3.0)	1.19 (0.96-1.46)	70
	Low	616	1 772 636	2.9 (2.7-3.2)	1.35 (1.13-1.61)	117
Umbria	High	43	180 175	2.5 (1.8-3.4)	1	76
	Medium	48	342 532	2.2 (1.6-3.0)	0.89 (0.57-1.37)	76
	Low	120	360 932	2.6 (2.1-3.2)	1.05 (0.73-1.51)	114
Marche	High	44	287 273	1.6 (1.2-2.1)	1	63
	Medium	68	538 873	2.2 (1.7-2.8)	1.39 (0.94-2.07)	63
	Low	197	720 635	2.3 (2.0-2.7)	1.47 (1.04-2.06)	105
Lazio	High	310	1 358 451	2.1 (1.9-2.4)	1	55
	Medium	337	2 073 918	2.5 (2.3-2.8)	1.21 (1.03-1.42)	83
	Low	607	1 968 190	2.9 (2.7-3.2)	1.39 (1.21-1.6)	112
Abruzzo	High	62	254 990	2.4 (1.9-3.2)	1	60
	Medium	66	468 140	2.5 (1.9-3.2)	1.01 (0.7-1.46)	81
	Low	201	578 741	2.8 (2.4-3.2)	1.14 (0.84-1.54)	100
Molise	High	17	56 815	3.4 (2.0-5.5)	1	94
	Medium	24	103 063	4.2 (2.8-6.5)	1.26 (0.65-2.44)	130
	Low	61	152 945	3.3 (2.5-4.3)	0.98 (0.56-1.73)	126
Campania	High	311	909 229	3.4 (3.1-3.9)	1	108
	Medium	454	1 717 812	4.1 (3.7-4.6)	1.20 (1.03-1.4)	131
	Low	1182	2 609 431	5.0 (4.7-5.3)	1.46 (1.28-1.66)	189
Puglia	High	165	614 254	2.6 (2.2-3.1)	1	70
	Medium	236	1 149 011	3.6 (3.1-4.1)	1.38 (1.12-1.7)	99
	Low	881	2 086 918	4.0 (3.7-4.2)	1.53 (1.28-1.82)	129
Basilicata	High	25	91 178	3.0 (2.0-4.6)	1	97
	Medium	27	183 319	2.9 (2.0-4.4)	0.98 (0.54-1.75)	99
	Low	140	291 033	3.8 (3.2-4.5)	1.27 (0.81-2)	123
Calabria	High	68	325 325	2.0 (1.6-2.6)	1	68
	Medium	99	593 842	3.1 (2.5-3.8)	1.52 (1.09-2.11)	94
	Low	307	936 916	2.9 (2.5-3.2)	1.42 (1.08-1.88)	101
Sicilia	High	220	767 785	2.8 (2.4-3.2)	1	72
	Medium	274	1 434 675	3.1 (2.8-3.5)	1.11 (0.92-1.34)	98
	Low	782	2 454 220	3.1 (2.9-3.3)	1.09 (0.94-1.28)	109
Sardegna	High	72	247 778	3.0 (2.3-3.9)	1	73
	Medium	123	484 814	3.6 (3.0-4.4)	1.20 (0.88-1.65)	134
	Low	387	945 577	4.2 (3.8-4.7)	1.39 (1.06-1.83)	174
Italia	High	2 932	11 077 356	2.5 (2.4-2.6)	1	67
	Medium	4 094	20 326 825	3.1 (3.0-3.3)	1.28 (1.22-1.34)	99
	Low	11 075	27 190 254	3.8 (3.7-3.8)	1.53 (1.46-1.59)	138



### UOMINI

#### MEN

ETÀ 30-89  
AGE 30-89





## TUMORI MALIGNI DEL FEGATO E DEI DOTTI BILIARI INTRAEPATICI

### MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPATIC BILE DUCTS



**SMR.** Excesses are greater for men (22% at the 80<sup>th</sup> centile of the SMR distribution among the provinces) than for women (9% at the 80<sup>th</sup> centile). **MEN:** excesses are found in the Val d'Aosta, Lombardia, the Western provinces in Emilia, most of the Triveneto, Sardegna, the Campania plain and part of Puglia. **WOMEN:** there is also a cluster in Lombardia and the Western provinces of Emilia, and less marked excesses in Trento and part of Veneto. High mortality can be seen in the South, in a vast area between Campania and Puglia, part of Sicilia and Northern Sardegna. **PAF.** On average, the PAF are higher among men than women. **MEN:** val-

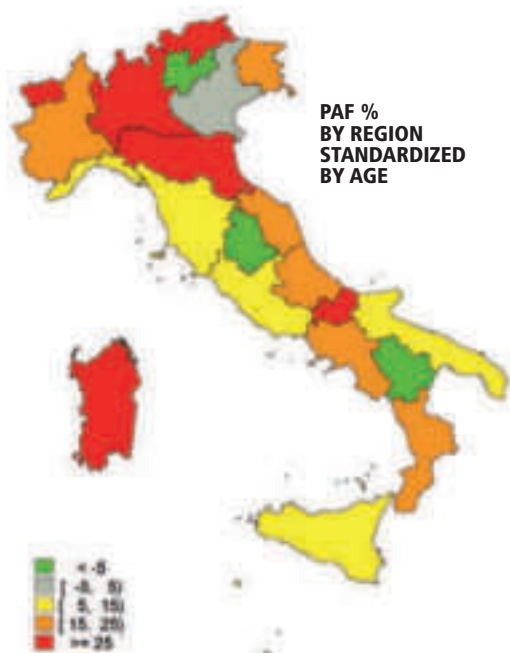
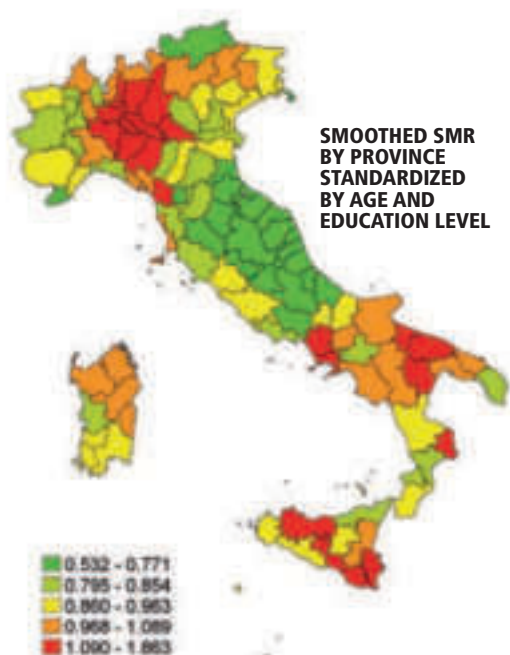
ues above 25% among are seen in all the Northern regions (except Emilia-Romagna and Bolzano) and in Marche, Puglia and Calabria. **WOMEN:** an excess of more than 25% is seen in Lombardia, Emilia-Romagna, Aosta, Bolzano, Molise and Sardegna; instead, a low education level appears to be protective in Trentino, Umbria and Basilicata. In Veneto the excess mortality for liver cancer of over 25% can be attributed to low education level among men but not among **WOMEN.** The areas with high PAF are those where excess incidence can be seen. This suggests that the excesses observed are for the population with low education level.



## DONNE

### WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	MMR (95%CI)	RATE x10 000	
Piemonte	High	60	836 082	0.8 (0.6-1.0)	1		23	
	Medium	130	1 676 727	1.0 (0.9-1.2)	1.30 (0.95-1.78)		28	
	Low	441	2 414 836	1.1 (1.0-1.2)	1.39 (1.05-1.83)		35	
Valle d'Aosta	High	1	24 747	0.5 (0.1-3.3)	1		16	
	Medium	6	47 069	1.7 (0.8-3.8)	3.65 (0.44-30.42)		78	
	Low	11	67 283	1.3 (0.7-2.4)	2.69 (0.34-21.14)		56	
Lombardia	High	178	1 989 400	1.0 (0.9-1.2)	1		21	
	Medium	315	3 710 635	1.2 (1.1-1.4)	1.23 (1.02-1.49)		33	
	Low	1 338	4 972 897	1.6 (1.5-1.7)	1.61 (1.37-1.89)		41	
Bolzano	High	3	89 740	0.3 (0.1-0.9)	1		20	
	Medium	12	199 428	1.0 (0.6-1.8)	3.63 (1.02-12.92)		34	
	Low	27	223 412	0.7 (0.5-1.1)	2.64 (0.79-8.81)		22	
Trento	High	12	103 543	1.2 (0.7-2.2)	1		29	
	Medium	10	225 643	0.7 (0.4-1.2)	0.55 (0.23-1.29)		15	
	Low	52	225 141	1.3 (1.0-1.7)	1.06 (0.55-2.04)		34	
Veneto	High	65	833 402	1.0 (0.8-1.3)	1		24	
	Medium	72	1 680 237	0.9 (0.7-1.1)	0.89 (0.63-1.26)		22	
	Low	488	2 777 381	1.1 (1.0-1.2)	1.11 (0.85-1.44)		34	
Friuli Venezia Giulia	High	21	263 149	0.9 (0.6-1.3)	1		32	
	Medium	41	503 326	1.1 (0.8-1.5)	1.26 (0.74-2.15)		22	
	Low	126	612 209	1.2 (1.0-1.4)	1.35 (0.84-2.18)		34	
Liguria	High	41	405 013	0.8 (0.6-1.1)	1		19	
	Medium	52	661 034	0.9 (0.7-1.2)	1.05 (0.69-1.60)		26	
	Low	158	786 175	1.1 (0.9-1.3)	1.26 (0.88-1.81)		32	
Emilia-Romagna	High	58	982 490	0.7 (0.5-0.9)	1		16	
	Medium	97	1 657 944	1.0 (0.8-1.3)	1.50 (1.07-2.09)		27	
	Low	481	2 237 787	1.1 (1.0-1.3)	1.64 (1.24-2.17)		31	
Toscana	High	60	804 123	0.9 (0.7-1.1)	1		18	
	Medium	63	1 314 238	0.8 (0.6-1.1)	0.94 (0.65-1.35)		27	
	Low	413	2 057 570	1.1 (1.0-1.2)	1.23 (0.93-1.63)		29	
Umbria	High	19	205 592	1.1 (0.7-1.8)	1		34	
	Medium	12	325 316	0.8 (0.4-1.4)	0.73 (0.34-1.53)		18	
	Low	80	460 587	0.8 (0.6-1.1)	0.76 (0.45-1.29)		27	
Marche	High	16	323 451	0.6 (0.3-0.9)	1		17	
	Medium	21	519 041	0.7 (0.5-1.2)	1.32 (0.66-2.62)		28	
	Low	118	856 620	0.8 (0.6-0.9)	1.37 (0.79-2.36)		25	
Lazio	High	126	1 522 088	0.9 (0.7-1.1)	1		20	
	Medium	110	2 177 071	0.9 (0.7-1.1)	0.98 (0.76-1.28)		22	
	Low	424	2 438 459	1.1 (1.0-1.2)	1.20 (0.98-1.47)		29	
Abruzzo	High	12	286 014	0.6 (0.3-1.0)	1		14	
	Medium	15	435 854	0.7 (0.4-1.3)	1.25 (0.56-2.79)		21	
	Low	98	705 762	0.8 (0.6-1.0)	1.39 (0.74-2.58)		28	
Molise	High	4	63 987	0.8 (0.3-2.3)	1		41	
	Medium	6	93 174	1.3 (0.5-3.2)	1.59 (0.41-6.20)		41	
	Low	40	182 398	1.2 (0.8-1.6)	1.41 (0.48-4.14)		35	
Campania	High	104	960 276	1.3 (1.1-1.6)	1		29	
	Medium	116	1 599 876	1.5 (1.3-1.8)	1.16 (0.88-1.53)		43	
	Low	795	3 283 605	1.9 (1.8-2.0)	1.43 (1.16-1.77)		53	
Puglia	High	53	646 788	1.1 (0.9-1.5)	1		23	
	Medium	61	1 066 681	1.3 (1.0-1.7)	1.15 (0.78-1.68)		34	
	Low	507	2 564 345	1.4 (1.3-1.5)	1.20 (0.90-1.61)		39	
Basilicata	High	12	99 340	1.6 (0.9-2.9)	1		65	
	Medium	5	170 598	0.9 (0.4-2.2)	0.55 (0.19-1.62)		25	
	Low	77	343 548	1.3 (1.0-1.6)	0.80 (0.42-1.53)		31	
Calabria	High	26	366 406	0.9 (0.6-1.3)	1		32	
	Medium	23	542 152	1.1 (0.7-1.7)	1.25 (0.69-2.29)		28	
	Low	198	1 124 577	1.2 (1.0-1.3)	1.32 (0.86-2.01)		32	
Sicilia	High	86	839 323	1.1 (0.9-1.4)	1		34	
	Medium	94	1 416 022	1.3 (1.0-1.6)	1.11 (0.82-1.50)		36	
	Low	552	2 963 827	1.4 (1.2-1.5)	1.19 (0.94-1.51)		40	
Sardegna	High	20	317 889	0.8 (0.5-1.3)	1		21	
	Medium	32	506 958	1.2 (0.9-1.8)	1.54 (0.86-2.76)		29	
	Low	172	991 152	1.2 (1.0-1.3)	1.45 (0.90-2.35)		28	
Italia	High	977	11 962 838	0.9 (0.9-1.0)	1		23	
	Medium	1 293	20 529 020	1.1 (1.0-1.1)	1.15 (1.05-1.25)		29	
	Low	6 596	32 289 567	1.3 (1.2-1.3)	1.36 (1.26-1.45)		36	



# TUMORI MALIGNI DEL PANCREAS

## MALIGNANT NEOPLASMS OF PANCREAS

**SMR.** Gli eccessi sono rilevanti: all'80° centile sono del 12% nelle **DONNE** e del 15% negli **UOMINI**. Si rileva un forte eccesso di mortalità soprattutto nel Triveneto, in Lombardia, in Emilia, in parte della Romagna e in Sardegna (soprattutto tra gli uomini), mentre nel resto d'Italia non si evidenziano eccessi di sorta.

**PAF.** In quasi tutte le regioni, in particolare in quelle meridionali, un più basso livello di istruzione non si associa a un eccesso di rischio, né risulta essere protettivo. Si osservano PAF superiori al 15% solo a Bolzano e in Umbria tra le **DONNE**, e in Veneto, Trentino Alto-Adige, Liguria e Sardegna tra gli **UOMINI**.

2012-2014

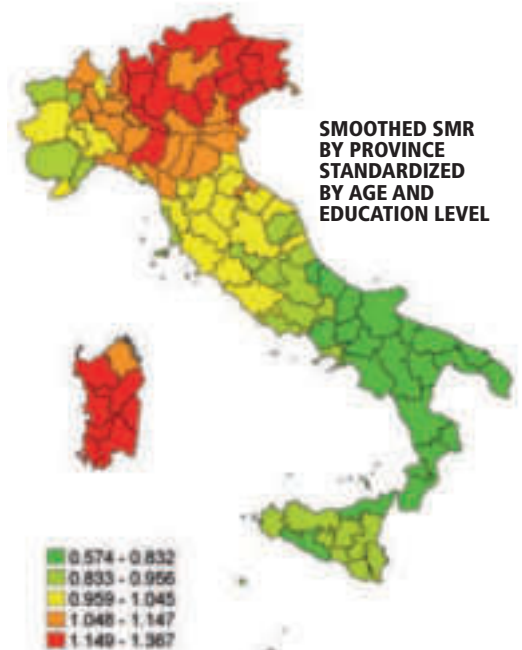
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	259	818 021	2.7 (2.3-3.0)	1	82
	Medium	318	1 580 984	2.7 (2.4-3.0)	1.02 (0.86-1.21)	85
	Low	639	2 065 138	2.8 (2.5-3.0)	1.03 (0.89-1.20)	101
Valle d'Aosta	High	6	23 025	2.1 (0.8-5.1)	1	134
	Medium	5	43 054	1.8 (0.7-4.9)	0.88 (0.23-3.32)	60
	Low	14	63 600	2.3 (1.3-3.9)	1.10 (0.38-3.12)	109
Lombardia	High	634	1 923 344	3.0 (2.7-3.2)	1	91
	Medium	711	3 478 639	3.1 (2.8-3.3)	1.03 (0.92-1.16)	105
	Low	1 407	4 387 573	3.2 (3.0-3.3)	1.07 (0.97-1.18)	108
Bolzano	High	26	86 156	2.4 (1.6-3.6)	1	57
	Medium	36	187 921	3.2 (2.3-4.5)	1.30 (0.77-2.21)	114
	Low	62	208 018	3.2 (2.5-4.1)	1.30 (0.81-2.09)	125
Trento	High	27	101 157	2.3 (1.6-3.5)	1	72
	Medium	41	210 020	3.6 (2.6-5.0)	1.55 (0.93-2.60)	108
	Low	51	202 879	2.2 (1.7-3.0)	0.96 (0.59-1.57)	82
Veneto	High	239	840 505	2.5 (2.2-2.9)	1	88
	Medium	321	1 783 406	3.1 (2.7-3.5)	1.21 (1.02-1.45)	104
	Low	873	2 275 576	3.5 (3.3-3.8)	1.39 (1.19-1.61)	115
Friuli Venezia Giulia	High	99	256 926	3.0 (2.4-3.7)	1	96
	Medium	125	518 112	3.3 (2.8-4.0)	1.11 (0.84-1.46)	105
	Low	196	482 532	3.6 (3.2-4.2)	1.22 (0.95-1.57)	117
Liguria	High	113	359 649	2.3 (1.9-2.8)	1	88
	Medium	153	602 274	3.0 (2.6-3.6)	1.31 (1.02-1.69)	104
	Low	221	644 480	2.8 (2.4-3.2)	1.21 (0.95-1.54)	97
Emilia-Romagna	High	263	864 484	2.8 (2.5-3.2)	1	93
	Medium	287	1 582 791	2.9 (2.6-3.3)	1.03 (0.86-1.23)	89
	Low	748	1 982 289	3.1 (2.9-3.4)	1.10 (0.95-1.27)	110
Toscana	High	201	710 841	2.4 (2.1-2.8)	1	67
	Medium	233	1 249 632	2.6 (2.3-3.0)	1.09 (0.90-1.33)	92
	Low	596	1 772 636	2.8 (2.6-3.0)	1.18 (1.00-1.39)	97
Umbria	High	47	180 175	2.5 (1.8-3.4)	1	64
	Medium	50	342 532	2.6 (1.9-3.4)	1.03 (0.67-1.57)	69
	Low	122	360 932	2.5 (2.0-3.0)	0.99 (0.69-1.43)	94
Marche	High	71	287 273	2.4 (1.9-3.1)	1	85
	Medium	90	538 873	2.7 (2.2-3.4)	1.11 (0.80-1.55)	91
	Low	256	720 635	2.7 (2.4-3.1)	1.11 (0.84-1.46)	91
Lazio	High	374	1 358 451	2.4 (2.2-2.7)	1	78
	Medium	366	2 073 918	2.7 (2.4-3.0)	1.10 (0.94-1.27)	97
	Low	580	1 968 190	2.7 (2.5-3.0)	1.12 (0.98-1.28)	95
Abruzzo	High	56	254 990	2.2 (1.7-2.9)	1	62
	Medium	63	468 140	2.2 (1.7-2.9)	1.01 (0.69-1.48)	81
	Low	168	578 741	2.4 (2.0-2.8)	1.08 (0.78-1.49)	94
Molise	High	14	56 815	2.3 (1.3-4.0)	1	69
	Medium	12	103 063	1.9 (1.0-3.7)	0.83 (0.36-1.95)	79
	Low	40	152 945	2.0 (1.4-2.7)	0.85 (0.45-1.62)	78
Campania	High	203	909 229	2.1 (1.8-2.5)	1	72
	Medium	236	1 717 812	2.1 (1.9-2.4)	1.00 (0.81-1.22)	75
	Low	507	2 609 431	2.2 (2.0-2.4)	1.02 (0.86-1.21)	86
Puglia	High	143	614 254	2.4 (2.0-2.8)	1	84
	Medium	145	1 149 011	2.0 (1.7-2.4)	0.86 (0.67-1.10)	70
	Low	462	2 086 918	2.1 (1.9-2.3)	0.90 (0.74-1.10)	79
Basilicata	High	21	91 178	2.9 (1.8-4.5)	1	58
	Medium	28	183 319	2.8 (1.8-4.3)	0.98 (0.52-1.83)	103
	Low	64	291 033	1.7 (1.3-2.2)	0.60 (0.36-1.01)	67
Calabria	High	63	325 325	2.0 (1.5-2.6)	1	65
	Medium	66	593 842	1.9 (1.5-2.5)	0.96 (0.66-1.40)	67
	Low	172	936 916	1.6 (1.3-1.8)	0.79 (0.58-1.07)	58
Sicilia	High	197	767 785	2.4 (2.1-2.8)	1	78
	Medium	223	1 434 675	2.5 (2.2-2.9)	1.04 (0.85-1.28)	82
	Low	569	2 454 220	2.2 (2.1-2.4)	0.94 (0.80-1.11)	85
Sardegna	High	68	247 778	2.6 (2.0-3.4)	1	81
	Medium	87	484 814	2.7 (2.1-3.4)	1.03 (0.73-1.45)	91
	Low	321	945 577	3.5 (3.1-3.9)	1.33 (1.01-1.77)	138
Italia	High	3 124	11 077 356	2.5 (2.5-2.6)	1	81
	Medium	3 596	20 326 825	2.7 (2.6-2.8)	1.06 (1.01-1.12)	91
	Low	8 068	27 190 254	2.7 (2.7-2.8)	1.07 (1.03-1.12)	97



### UOMINI

#### MEN

ETÀ 30-89  
AGE 30-89



## TUMORI MALIGNI DEL PANCREAS MALIGNANT NEOPLASMS OF PANCREAS



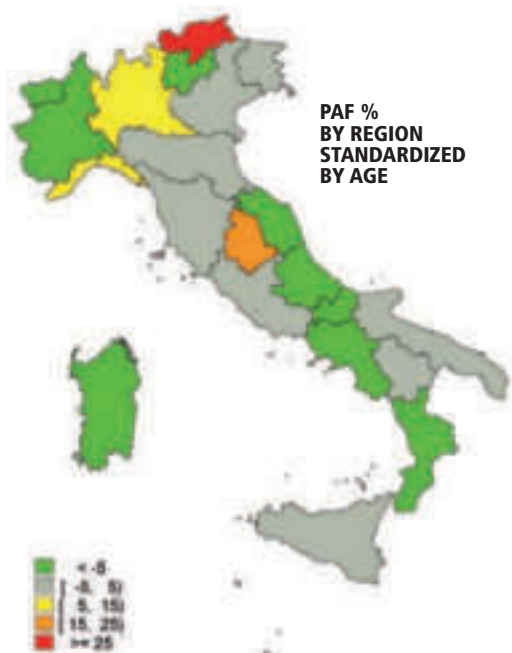
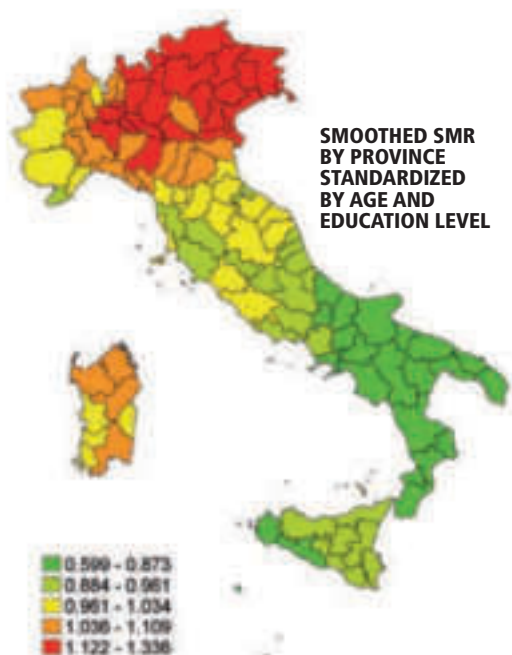
**SMR.** For malignant neoplasms of pancreas, excess is high (12% in **WOMEN** and 15% in **MEN** at the 80<sup>th</sup> centile). Of note, considerable excess mortality can be seen especially in Triveneto, Lombardia, Emilia, part of Romagna and in Sardegna (especially among **MEN**), while no excess is seen in the rest of Italy.

**PAF.** A lower education level is not associated with excess risk or appears to be protective in almost all regions, especially in the South. **WOMEN:** PAF above 15% are seen only in Bolzano and in Umbria. **MEN:** in Veneto, Trentino Alto-Adige, Liguria and Sardegna.



### DONNE WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014								
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	173	836 082	2.2 (1.9-2.5)	1		62	
	Medium	243	1 676 727	1.9 (1.7-2.2)	0.88 (0.72-1.07)		59	
	Low	812	2 414 836	2.1 (1.9-2.2)	0.95 (0.80-1.12)		65	
Valle d'Aosta	High	10	24 747	5.0 (2.6-9.5)	1		97	
	Medium	4	47 069	1.3 (0.5-3.6)	0.27 (0.08-0.87)		26	
	Low	20	67 283	2.1 (1.3-3.4)	0.42 (0.19-0.94)		87	
Lombardia	High	347	1 989 400	1.9 (1.7-2.2)	1		59	
	Medium	592	3 710 635	2.3 (2.1-2.5)	1.18 (1.03-1.36)		68	
	Low	1 875	4 972 897	2.4 (2.3-2.5)	1.22 (1.09-1.38)		69	
Bolzano	High	14	89 740	1.7 (1.0-2.9)	1		34	
	Medium	42	199 428	3.3 (2.4-4.5)	1.95 (1.05-3.63)		113	
	Low	82	223 412	2.4 (1.9-3.0)	1.43 (0.80-2.56)		67	
Trento	High	24	103 543	2.8 (1.9-4.2)	1		85	
	Medium	22	225 643	1.4 (0.9-2.1)	0.49 (0.27-0.89)		50	
	Low	89	225 141	2.3 (1.9-2.9)	0.83 (0.52-1.33)		72	
Veneto	High	159	833 402	2.3 (2.0-2.8)	1		57	
	Medium	217	1 680 237	2.5 (2.1-2.8)	1.05 (0.85-1.30)		72	
	Low	1 017	2 777 381	2.3 (2.2-2.5)	0.98 (0.83-1.17)		69	
Friuli Venezia Giulia	High	71	263 149	2.7 (2.1-3.4)	1		85	
	Medium	119	503 326	3.0 (2.5-3.6)	1.13 (0.84-1.52)		84	
	Low	275	612 209	2.7 (2.3-3.0)	0.99 (0.75-1.30)		84	
Liguria	High	89	405 013	1.8 (1.5-2.3)	1		60	
	Medium	151	661 034	2.5 (2.2-3.0)	1.38 (1.05-1.80)		75	
	Low	293	786 175	2.0 (1.7-2.3)	1.08 (0.84-1.39)		62	
Emilia-Romagna	High	190	982 490	2.2 (1.9-2.5)	1		66	
	Medium	213	1 657 944	2.2 (1.9-2.5)	1.01 (0.82-1.23)		66	
	Low	850	2 237 787	2.1 (2.0-2.3)	0.98 (0.83-1.16)		65	
Toscana	High	142	804 123	1.9 (1.6-2.2)	1		54	
	Medium	154	1 314 238	2.0 (1.7-2.4)	1.08 (0.85-1.37)		59	
	Low	688	2 057 570	1.9 (1.8-2.1)	1.01 (0.84-1.22)		60	
Umbria	High	29	205 592	1.6 (1.1-2.4)	1		48	
	Medium	40	325 316	2.4 (1.7-3.3)	1.45 (0.88-2.39)		71	
	Low	174	460 587	2.0 (1.6-2.3)	1.21 (0.80-1.82)		67	
Marche	High	72	323 451	2.8 (2.2-3.5)	1		75	
	Medium	45	519 041	1.6 (1.2-2.2)	0.60 (0.40-0.89)		50	
	Low	292	856 620	1.9 (1.6-2.1)	0.68 (0.52-0.89)		66	
Lazio	High	320	1 522 088	2.2 (1.9-2.4)	1		63	
	Medium	288	2 177 071	2.2 (1.9-2.5)	1.01 (0.86-1.19)		69	
	Low	772	2 438 459	2.0 (1.9-2.2)	0.94 (0.82-1.08)		65	
Abruzzo	High	54	286 014	2.4 (1.8-3.1)	1		79	
	Medium	35	435 854	1.4 (0.9-2.0)	0.58 (0.36-0.93)		57	
	Low	195	705 762	1.6 (1.4-1.9)	0.68 (0.50-0.94)		49	
Molise	High	8	63 987	1.5 (0.7-3.1)	1		47	
	Medium	3	93 174	0.8 (0.3-2.6)	0.55 (0.14-2.13)		18	
	Low	40	182 398	1.4 (1.0-1.9)	0.89 (0.40-1.98)		49	
Campania	High	169	960 276	2.0 (1.8-2.4)	1		62	
	Medium	153	1 599 876	1.8 (1.5-2.1)	0.88 (0.70-1.11)		65	
	Low	670	3 283 605	1.6 (1.5-1.7)	0.79 (0.66-0.94)		51	
Puglia	High	83	646 788	1.5 (1.2-1.9)	1		60	
	Medium	81	1 066 681	1.7 (1.3-2.1)	1.11 (0.80-1.53)		51	
	Low	517	2 564 345	1.4 (1.3-1.6)	0.95 (0.74-1.21)		46	
Basilicata	High	10	99 340	1.5 (0.8-2.9)	1		27	
	Medium	9	170 598	1.7 (0.9-3.5)	1.16 (0.44-3.05)		37	
	Low	82	343 548	1.4 (1.1-1.8)	0.95 (0.48-1.91)		37	
Calabria	High	51	366 406	1.6 (1.2-2.2)	1		58	
	Medium	33	542 152	1.5 (1.0-2.2)	0.92 (0.58-1.48)		40	
	Low	187	1 124 577	1.1 (0.9-1.3)	0.67 (0.49-0.93)		36	
Sicilia	High	147	839 323	1.8 (1.6-2.2)	1		61	
	Medium	177	1 416 022	2.3 (2.0-2.7)	1.24 (0.99-1.56)		68	
	Low	696	2 963 827	1.7 (1.6-1.9)	0.94 (0.78-1.13)		57	
Sardegna	High	53	317 889	2.1 (1.6-2.8)	1		52	
	Medium	53	506 958	1.6 (1.2-2.2)	0.76 (0.50-1.14)		62	
	Low	302	991 152	2.1 (1.9-2.4)	0.99 (0.73-1.34)		63	
Italia	High	2 215	11 962 838	2.1 (2.0-2.1)	1		61	
	Medium	2 674	20 529 020	2.1 (2.1-2.2)	1.05 (0.99-1.11)		65	
	Low	9 928	32 289 567	2.0 (1.9-2.0)	0.96 (0.91-1.01)		61	



# TUMORI MALIGNI DELLA TRACHEA, DEI BRONCHI E DEI POLMONI

## MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG

**SMR.** Gli eccessi sono maggiori tra le donne (del 13% all'80° centile) che tra gli uomini (del 5% all'80° centile). **UOMINI:** si osservano cluster in corrispondenza di alcune aree metropolitane (Roma, Milano, Napoli, Genova); si osservano anche aree con eccessi nel Lazio, in Campania, in Lombardia, in particolare lungo il corso del Po. **DONNE:** si segnalano cluster nelle aree metropolitane (Roma, Milano, Napoli, Firenze, Bologna, Brescia) e, più in generale, in numerose province lombarde, emiliano-romagnole e friulane.

**PAF.** I pattern sono differenti per genere. **UOMINI:** i PAF hanno valori superiori al 25% nella maggior parte delle regioni. **DONNE:** un più basso livello di istruzione risulta generalmente protettivo. Il dato è atteso e riflette la distribuzione del tabagismo per titolo di studio per i due generi nei decenni precedenti.

2012-2014

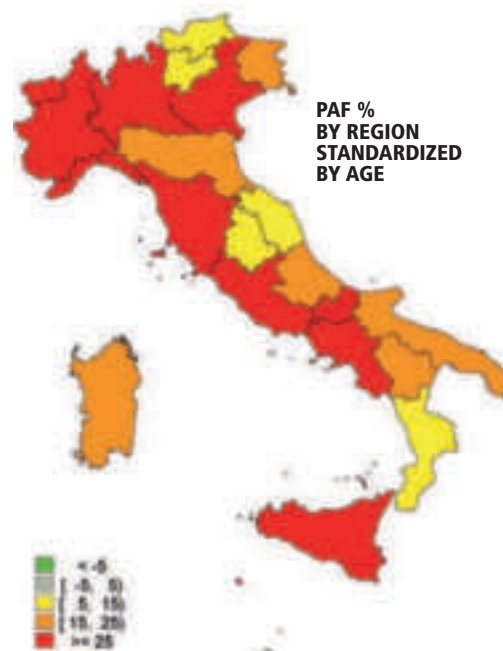
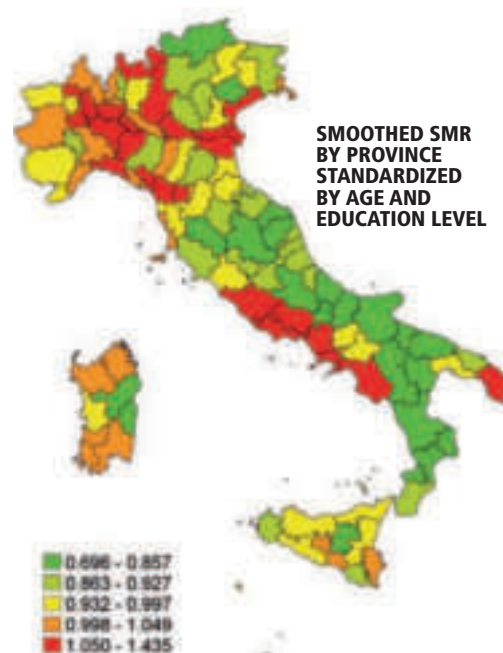
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	914	818 021	9.3 (8.6-9.9)	1	245
	Medium	1 401	1 580 984	11.8 (11.2-12.5)	1.28 (1.17-1.39)	359
	Low	3 393	2 065 138	14.6 (14.1-15.2)	1.58 (1.47-1.71)	478
Valle d'Aosta	High	22	23 025	8.9 (5.8-13.9)	1	232
	Medium	39	43 054	14.5 (10.4-20.3)	1.62 (0.93-2.82)	346
	Low	78	63 600	12.0 (9.6-15.1)	1.34 (0.82-2.20)	427
Lombardia	High	1 920	1 923 344	8.9 (8.5-9.4)	1	243
	Medium	2 710	3 478 639	12.3 (11.8-12.8)	1.38 (1.30-1.47)	356
	Low	6 892	4 387 573	15.5 (15.1-15.9)	1.73 (1.64-1.83)	473
Bolzano	High	85	86 156	8.6 (6.9-10.8)	1	237
	Medium	92	187 921	9.4 (7.6-11.7)	1.09 (0.80-1.49)	245
	Low	203	208 018	9.8 (8.5-11.3)	1.14 (0.87-1.48)	332
Trento	High	102	101 157	9.6 (7.8-11.8)	1	231
	Medium	122	210 020	10.0 (8.3-12.0)	1.04 (0.79-1.37)	320
	Low	276	202 879	11.7 (10.4-13.2)	1.22 (0.96-1.54)	320
Veneto	High	761	840 505	8.6 (8.0-9.2)	1	236
	Medium	1 046	1 783 406	10.7 (10.1-11.5)	1.25 (1.13-1.38)	312
	Low	3 339	2 275 576	13.4 (12.9-13.8)	1.56 (1.43-1.69)	389
Friuli Venezia Giulia	High	274	256 926	8.8 (7.8-10.0)	1	221
	Medium	428	518 112	11.7 (10.6-12.9)	1.32 (1.13-1.55)	316
	Low	714	482 532	13.2 (12.3-14.3)	1.50 (1.29-1.73)	436
Liguria	High	473	359 649	9.4 (8.5-10.3)	1	246
	Medium	600	602 274	12.1 (11.2-13.1)	1.29 (1.15-1.46)	342
	Low	1 160	644 480	14.7 (13.9-15.7)	1.58 (1.41-1.76)	486
Emilia-Romagna	High	829	864 484	9.0 (8.4-9.6)	1	254
	Medium	1 091	1 582 791	11.2 (10.5-11.9)	1.24 (1.13-1.37)	332
	Low	3 276	1 982 289	13.5 (13.0-14.0)	1.50 (1.39-1.63)	434
Toscana	High	737	710 841	8.9 (8.2-9.5)	1	246
	Medium	959	1 249 632	11.5 (10.8-12.3)	1.30 (1.18-1.44)	318
	Low	2 931	1 772 636	13.8 (13.3-14.4)	1.56 (1.43-1.70)	450
Umbria	High	185	180 175	9.1 (7.8-10.6)	1	289
	Medium	212	342 532	10.3 (8.9-11.9)	1.13 (0.92-1.40)	301
	Low	564	360 932	11.6 (10.6-12.7)	1.27 (1.07-1.52)	402
Marche	High	272	287 273	9.0 (7.9-10.2)	1	265
	Medium	330	538 873	10.5 (9.4-11.8)	1.17 (0.99-1.39)	317
	Low	1 052	720 635	11.1 (10.4-11.9)	1.24 (1.08-1.43)	358
Lazio	High	1 552	1 358 451	10.1 (9.6-10.7)	1	284
	Medium	1 760	2 073 918	13.7 (13.0-14.4)	1.35 (1.26-1.45)	423
	Low	3 443	1 968 190	16.4 (15.8-16.9)	1.62 (1.52-1.72)	554
Abruzzo	High	217	254 990	8.6 (7.5-9.9)	1	254
	Medium	274	468 140	10.4 (9.2-11.9)	1.21 (1.00-1.46)	333
	Low	804	578 741	10.9 (10.1-11.7)	1.27 (1.08-1.48)	371
Molise	High	26	56 815	4.6 (3.0-6.8)	1	177
	Medium	33	103 063	6.4 (4.4-9.4)	1.41 (0.80-2.46)	172
	Low	184	152 945	9.3 (8.0-10.9)	2.05 (1.33-3.17)	316
Campania	High	1 042	909 229	11.3 (10.6-12.0)	1	339
	Medium	1 679	1 717 812	15.5 (14.7-16.3)	1.37 (1.26-1.49)	477
	Low	4 164	2 609 431	18.0 (17.4-18.5)	1.59 (1.48-1.71)	633
Puglia	High	576	614 254	9.1 (8.3-9.9)	1	280
	Medium	768	1 149 011	11.3 (10.5-12.2)	1.25 (1.11-1.40)	340
	Low	2 834	2 086 918	13.0 (12.5-13.5)	1.43 (1.30-1.57)	430
Basilicata	High	64	91 178	7.4 (5.7-9.7)	1	225
	Medium	79	183 319	8.1 (6.3-10.5)	1.09 (0.76-1.57)	291
	Low	352	291 033	9.7 (8.7-10.9)	1.31 (0.99-1.74)	351
Calabria	High	273	325 325	8.7 (7.7-9.9)	1	238
	Medium	323	593 842	10.2 (9.1-11.5)	1.17 (0.98-1.39)	301
	Low	1 111	936 916	10.5 (9.9-11.2)	1.20 (1.05-1.38)	380
Sicilia	High	761	767 785	9.1 (8.4-9.8)	1	268
	Medium	1 028	1 434 675	11.5 (10.8-12.3)	1.26 (1.14-1.39)	366
	Low	3 418	2 454 220	13.6 (13.1-14.0)	1.49 (1.38-1.62)	477
Sardegna	High	265	247 778	10.7 (9.3-12.1)	1	284
	Medium	390	484 814	12.0 (10.8-13.4)	1.13 (0.95-1.34)	369
	Low	1 236	945 577	13.7 (12.9-14.5)	1.29 (1.11-1.48)	496
Italia	High	11 350	11 077 356	9.3 (9.1-9.5)	1	262
	Medium	15 364	20 326 825	12.0 (11.8-12.2)	1.29 (1.26-1.33)	358
	Low	41 424	27 190 254	14.1 (13.9-14.2)	1.51 (1.48-1.55)	464



### UOMINI

#### MEN

ETÀ 30-89  
AGE 30-89



# TUMORI MALIGNI DELLA TRACHEA, DEI BRONCHI E DEI POLMONI

## MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS, AND LUNG



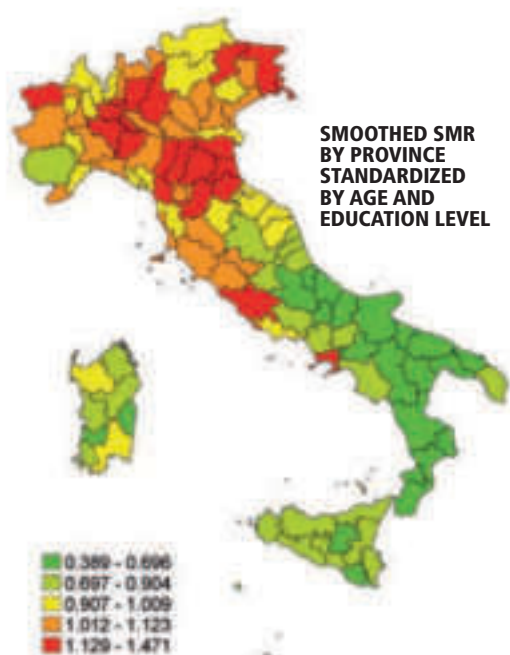
**SMR.** There is greater excess among women (13% at the 80<sup>th</sup> centile) than among men (5% at the 80<sup>th</sup> centile). **MEN:** clusters can be seen in correspondence with some metropolitan areas (Roma, Milano, Napoli, Genova). Areas of excess can also be seen in Lazio, Campania and Lombardia, particularly along the Po river. **WOMEN:** clusters can be seen in the metropolitan areas of Roma, Milano, Napoli, Firenze, Bologna and Brescia, and more in general in many provinces in Lombardia, Emilia-Romagna and Friuli.

**PAF.** The patterns are different for men and women. **MEN:** the PAF are above 25% in most regions. **WOMEN:** a lower education level generally appears to be protective. This value was expected and reflects the distribution of smoking by education level for the two sexes in the preceding decades.



### DONNE WOMEN

ETÀ 30-89  
AGE 30-89



SMOOTHED SMR BY PROVINCE STANDARDIZED BY AGE AND EDUCATION LEVEL



PAF % BY REGION STANDARDIZED BY AGE

2012-2014								
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	306	836 082	3.8 (3.3-4.2)	1		128	
	Medium	496	1 676 727	3.7 (3.4-4.1)	0.99 (0.85-1.14)		142	
	Low	1 147	2 414 836	3.2 (3.0-3.5)	0.86 (0.76-0.99)		134	
Valle d'Aosta	High	10	24 747	4.2 (2.2-7.9)	1		190	
	Medium	16	47 069	4.4 (2.6-7.2)	1.04 (0.46-2.34)		187	
	Low	38	67 283	4.2 (3.0-5.9)	1.00 (0.48-2.06)		192	
Lombardia	High	725	1 989 400	4.0 (3.7-4.3)	1		146	
	Medium	1 157	3 710 635	4.3 (4.1-4.6)	1.07 (0.97-1.18)		164	
	Low	2 640	4 972 897	3.7 (3.6-3.9)	0.92 (0.85-1.00)		149	
Bolzano	High	25	89 740	2.7 (1.8-4.2)	1		107	
	Medium	48	199 428	3.9 (2.9-5.2)	1.43 (0.86-2.39)		127	
	Low	89	223 412	2.9 (2.3-3.6)	1.06 (0.66-1.71)		123	
Trento	High	34	103 543	3.6 (2.6-5.1)	1		122	
	Medium	45	225 643	2.7 (2.0-3.7)	0.76 (0.48-1.20)		111	
	Low	112	225 141	3.2 (2.6-4.0)	0.89 (0.60-1.33)		131	
Veneto	High	245	833 402	3.6 (3.1-4.1)	1		111	
	Medium	374	1 680 237	4.1 (3.7-4.6)	1.15 (0.97-1.36)		138	
	Low	1 391	2 777 381	3.4 (3.2-3.6)	0.95 (0.83-1.09)		128	
Friuli Venezia Giulia	High	106	263 149	4.0 (3.3-4.9)	1		137	
	Medium	175	503 326	4.3 (3.7-5.0)	1.08 (0.84-1.38)		148	
	Low	447	612 209	4.7 (4.2-5.2)	1.16 (0.93-1.45)		185	
Liguria	High	167	405 013	3.5 (3.0-4.1)	1		107	
	Medium	243	661 034	4.1 (3.6-4.6)	1.17 (0.95-1.43)		154	
	Low	455	786 175	3.8 (3.4-4.2)	1.08 (0.90-1.31)		164	
Emilia-Romagna	High	390	982 490	4.4 (3.9-4.8)	1		158	
	Medium	494	1 657 944	4.7 (4.3-5.1)	1.07 (0.93-1.23)		168	
	Low	1 383	2 237 787	4.1 (3.8-4.3)	0.93 (0.83-1.05)		172	
Toscana	High	331	804 123	4.4 (3.9-4.9)	1		141	
	Medium	374	13 142 38	4.5 (4.1-5.1)	1.03 (0.88-1.20)		170	
	Low	1 021	2 057 570	3.3 (3.1-3.5)	0.75 (0.66-0.85)		142	
Umbria	High	88	205 592	4.7 (3.8-5.9)	1		155	
	Medium	83	325 316	4.1 (3.3-5.2)	0.87 (0.64-1.20)		174	
	Low	179	460 587	2.5 (2.1-3.0)	0.53 (0.41-0.70)		118	
Marche	High	107	323 451	3.9 (3.2-4.7)	1		122	
	Medium	101	519 041	3.2 (2.6-4.0)	0.84 (0.63-1.12)		133	
	Low	367	856 620	2.8 (2.5-3.2)	0.74 (0.59-0.93)		123	
Lazio	High	735	1 522 088	5.0 (4.6-5.4)	1		175	
	Medium	749	2 177 071	5.5 (5.1-5.9)	1.09 (0.98-1.21)		191	
	Low	1 423	2 438 459	4.1 (3.9-4.4)	0.82 (0.75-0.90)		174	
Abruzzo	High	59	286 014	2.3 (1.8-3.0)	1		102	
	Medium	56	435 854	2.3 (1.7-3.1)	1.00 (0.67-1.49)		92	
	Low	203	705 762	1.9 (1.6-2.2)	0.81 (0.60-1.11)		83	
Molise	High	16	63 987	3.0 (1.8-5.1)	1		126	
	Medium	13	93 174	2.7 (1.5-4.9)	0.89 (0.40-1.99)		95	
	Low	45	182 398	1.8 (1.3-2.4)	0.59 (0.32-1.09)		82	
Campania	High	317	960 276	3.7 (3.3-4.2)	1		131	
	Medium	367	1 599 876	4.1 (3.6-4.5)	1.09 (0.93-1.28)		160	
	Low	1 233	3 283 605	3.2 (3.1-3.4)	0.87 (0.77-0.99)		159	
Puglia	High	139	646 788	2.7 (2.3-3.2)	1		94	
	Medium	141	1 066 681	2.4 (2.0-2.9)	0.88 (0.69-1.14)		96	
	Low	610	2 564 345	1.8 (1.7-2.0)	0.68 (0.56-0.83)		77	
Basilicata	High	17	99 340	2.6 (1.6-4.4)	1		60	
	Medium	19	170 598	2.9 (1.7-4.8)	1.09 (0.53-2.21)		99	
	Low	70	343 548	1.4 (1.1-1.8)	0.52 (0.30-0.92)		59	
Calabria	High	78	366 406	2.5 (2.0-3.2)	1		89	
	Medium	58	542 152	2.0 (1.5-2.8)	0.80 (0.55-1.17)		83	
	Low	197	1 124 577	1.3 (1.1-1.5)	0.52 (0.40-0.69)		63	
Sicilia	High	283	839 323	3.5 (3.1-4.0)	1		123	
	Medium	275	1 416 022	3.2 (2.9-3.7)	0.92 (0.77-1.09)		123	
	Low	855	2 963 827	2.3 (2.1-2.5)	0.65 (0.56-0.74)		103	
Sardegna	High	117	317 889	4.4 (3.6-5.3)	1		156	
	Medium	95	506 958	2.8 (2.2-3.4)	0.63 (0.47-0.84)		122	
	Low	319	991 152	2.6 (2.3-2.9)	0.58 (0.47-0.73)		121	
Italia	High	4 295	11 962 838	3.9 (3.8-4.1)	1		135	
	Medium	5 379	20 529 020	4.0 (3.9-4.2)	1.03 (0.99-1.07)		150	
	Low	14 224	32 289 567	3.1 (3.1-3.2)	0.80 (0.77-0.83)		133	



## TUMORI MALIGNI DELLA PROSTATA

### MALIGNANT NEOPLASMS OF PROSTATE

**SMR.** Il 20% delle province ha eccessi di mortalità superiori al 6%. Si osserva un gradiente Nord-Sud, con eccessi in tutte le regioni meridionali e nelle isole. Si segnala però anche un cluster di elevata mortalità in Trentino-Alto Adige, in particolare a Trento. Il gradiente geografico di mortalità è inverso rispetto a quello dell'incidenza della malattia. Entrambi i fenomeni possono essere l'effetto della differente diffusione del test del PSA e della diagnosi precoce. **PAF.** I PAF sono generalmente inferiori al 15%. Nelle due regioni più piccole i valori superano il 25%, dato presumibilmente correlato con la scarsa numerosità degli eventi.

**SMR.** 20% of provinces have excess mortality above 6%. A North-South gradient can be seen, with excesses in all Southern regions and in the islands. Of note is a cluster of high mortality in Trentino-Alto Adige, particularly in Trento, with the geographical gradient of mortality in Italy the opposite of that of disease incidence. Both phenomena may be due to the effect of how diffuse the use of the PSA test is and to early diagnosis in the provinces of Italy. **PAF.** the PAF are generally below 15%. In Valle d'Aosta and Molise values above 25% are observed, though this is presumably correlated to the limited number of events.

2012-2014

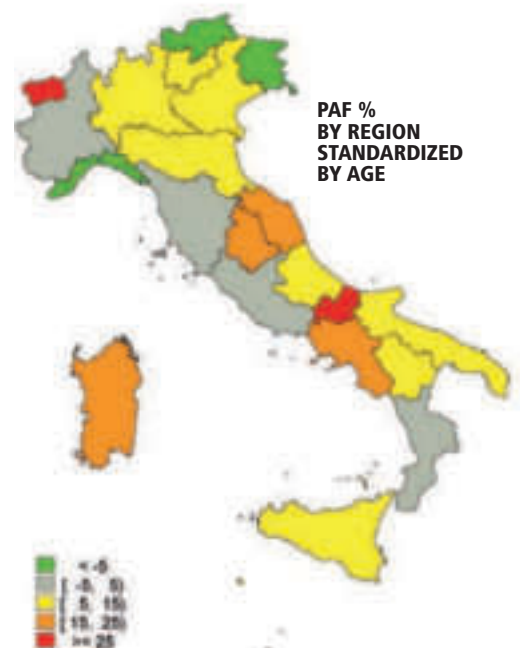
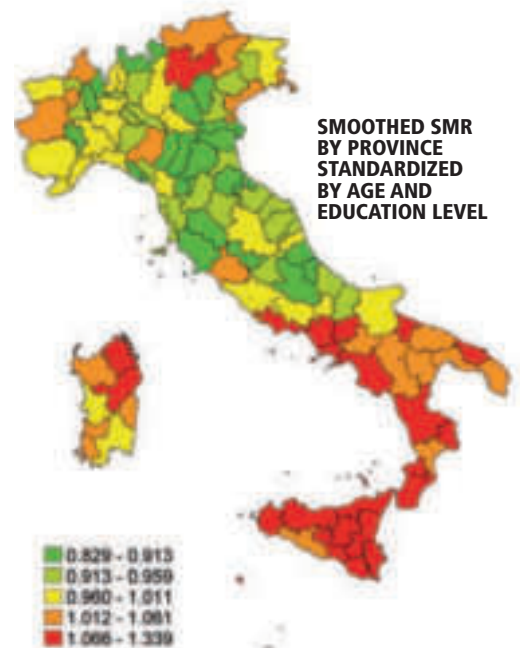
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	306	818 021	3.5 (3.1-3.9)	1	49
	Medium	349	1 580 984	3.5 (3.2-3.9)	1.01 (0.86-1.18)	51
	Low	821	2 065 138	3.2 (3.0-3.4)	0.91 (0.80-1.05)	48
Valle d'Aosta	High	2	23 025	1.1 (0.3-4.6)	1	
	Medium	9	43 054	3.4 (1.7-6.9)	2.99 (0.63-14.14)	84
	Low	27	63 600	3.9 (2.7-5.8)	3.44 (0.82-14.49)	56
Lombardia	High	575	1 923 344	3.1 (2.8-3.3)	1	47
	Medium	596	3 478 639	3.2 (3.0-3.5)	1.06 (0.95-1.20)	49
	Low	1 496	4 387 573	3.3 (3.1-3.4)	1.07 (0.97-1.18)	49
Bolzano	High	33	86 156	3.8 (2.7-5.4)	1	56
	Medium	23	187 921	2.8 (1.8-4.3)	0.74 (0.43-1.28)	38
	Low	86	208 018	3.9 (3.1-4.8)	1.02 (0.67-1.54)	69
Trento	High	33	101 157	3.5 (2.5-5.0)	1	63
	Medium	39	210 020	4.1 (2.9-5.6)	1.16 (0.72-1.88)	53
	Low	104	202 879	4.1 (3.4-5.0)	1.17 (0.78-1.75)	42
Veneto	High	211	840 505	2.8 (2.4-3.2)	1	48
	Medium	233	1 783 406	2.8 (2.5-3.2)	1.02 (0.84-1.24)	52
	Low	852	2 275 576	3.2 (3.0-3.4)	1.17 (1.00-1.36)	49
Friuli Venezia Giulia	High	96	256 926	3.4 (2.8-4.2)	1	57
	Medium	107	518 112	3.1 (2.6-3.8)	0.90 (0.68-1.20)	64
	Low	199	482 532	3.3 (2.9-3.8)	0.96 (0.75-1.24)	47
Liguria	High	164	359 649	3.5 (3.0-4.1)	1	60
	Medium	147	602 274	3.3 (2.8-3.8)	0.93 (0.74-1.16)	46
	Low	299	644 480	3.2 (2.9-3.6)	0.91 (0.75-1.11)	46
Emilia-Romagna	High	221	864 484	2.7 (2.3-3.1)	1	48
	Medium	243	1 582 791	3.0 (2.6-3.4)	1.12 (0.93-1.36)	45
	Low	826	1 982 289	2.9 (2.7-3.2)	1.10 (0.94-1.28)	49
Toscana	High	223	710 841	3.1 (2.7-3.5)	1	49
	Medium	213	1 249 632	3.0 (2.6-3.5)	0.99 (0.81-1.20)	40
	Low	756	1 772 636	3.1 (2.9-3.3)	1.01 (0.87-1.18)	47
Umbria	High	45	180 175	2.7 (2.0-3.6)	1	43
	Medium	68	342 532	4.4 (3.4-5.6)	1.65 (1.11-2.44)	52
	Low	187	360 932	2.9 (2.5-3.4)	1.11 (0.79-1.56)	43
Marche	High	66	287 273	2.5 (2.0-3.3)	1	41
	Medium	87	538 873	3.6 (2.9-4.5)	1.42 (1.02-1.97)	46
	Low	359	720 635	3.2 (2.9-3.6)	1.26 (0.96-1.64)	44
Lazio	High	433	1 358 451	3.2 (2.9-3.5)	1	46
	Medium	335	2 073 918	3.2 (2.9-3.6)	1.00 (0.87-1.16)	46
	Low	836	1 968 190	3.5 (3.3-3.8)	1.10 (0.98-1.24)	55
Abruzzo	High	57	254 990	2.6 (2.0-3.4)	1	47
	Medium	56	468 140	2.7 (2.0-3.6)	1.05 (0.72-1.55)	44
	Low	239	578 741	2.8 (2.4-3.2)	1.09 (0.81-1.47)	48
Molise	High	11	56 815	1.9 (1.0-3.5)	1	51
	Medium	13	103 063	3.1 (1.7-5.6)	1.64 (0.70-3.87)	40
	Low	64	152 945	2.7 (2.1-3.4)	1.41 (0.72-2.77)	33
Campania	High	258	909 229	3.4 (3.0-3.9)	1	52
	Medium	337	1 717 812	4.2 (3.8-4.7)	1.24 (1.04-1.47)	61
	Low	984	2 609 431	4.1 (3.8-4.4)	1.20 (1.04-1.38)	62
Puglia	High	156	614 254	3.0 (2.6-3.6)	1	44
	Medium	155	1 149 011	2.9 (2.4-3.4)	0.95 (0.75-1.20)	43
	Low	879	2 086 918	3.7 (3.5-4.0)	1.23 (1.03-1.46)	46
Basilicata	High	22	91 178	2.8 (1.8-4.4)	1	48
	Medium	17	183 319	2.9 (1.7-4.7)	1.03 (0.52-2.02)	29
	Low	144	291 033	3.3 (2.7-3.9)	1.17 (0.72-1.90)	41
Calabria	High	106	325 325	3.9 (3.2-4.8)	1	62
	Medium	102	593 842	4.2 (3.4-5.2)	1.09 (0.82-1.45)	63
	Low	462	936 916	3.8 (3.5-4.2)	0.98 (0.78-1.22)	53
Sicilia	High	240	767 785	3.4 (3.0-3.9)	1	43
	Medium	267	1 434 675	3.8 (3.4-4.3)	1.11 (0.93-1.33)	59
	Low	1 144	2 454 220	4.0 (3.8-4.3)	1.17 (1.01-1.35)	54
Sardegna	High	53	247 778	2.7 (2.0-3.5)	1	50
	Medium	78	484 814	3.4 (2.7-4.3)	1.29 (0.89-1.86)	45
	Low	360	945 577	3.7 (3.3-4.1)	1.40 (1.03-1.89)	56
Italia	High	3 311	11 077 356	3.1 (3.0-3.2)	1	48
	Medium	3 474	20 326 825	3.3 (3.2-3.5)	1.07 (1.02-1.12)	50
	Low	11 124	27 190 254	3.4 (3.3-3.5)	1.09 (1.05-1.13)	50



## UOMINI

### MEN

ETÀ 30-89  
AGE 30-89



## TUMORI MALIGNI DELLA MAMMELLA

### MALIGNANT NEOPLASMS OF BREAST



**SMR.** Si rilevano eccessi leggermente maggiori rispetto a «tutti i tumori» (del 9% all'80° centile). Gli eccessi sono presenti in Sardegna, Piemonte, Friuli-Venezia Giulia, in un'area lungo il corso del Po, in alto Adriatico e, in forma più lieve, in alcune aree della Sicilia. **PAF.** Per i tumori maligni del seno, si osserva che un più basso livello di istruzione risulta essere generalmente protettivo, in particolare nelle regioni entro-meridionali (eccetto Molise e Basilicata), coerentemente con la differente distribuzione di parità e attitudine all'allattamento per livello di istruzione e area di residenza.

**SMR.** Mortality for malignant neoplasms of breast shows excesses that are slightly greater than that for «all cancers» (9% at the 80<sup>th</sup> centile), seen in Sardegna, Piemonte and Friuli Venezia Giulia. An excess is also seen along the Po river, in the upper Adriatic and, more moderate, in some areas of Sicilia.

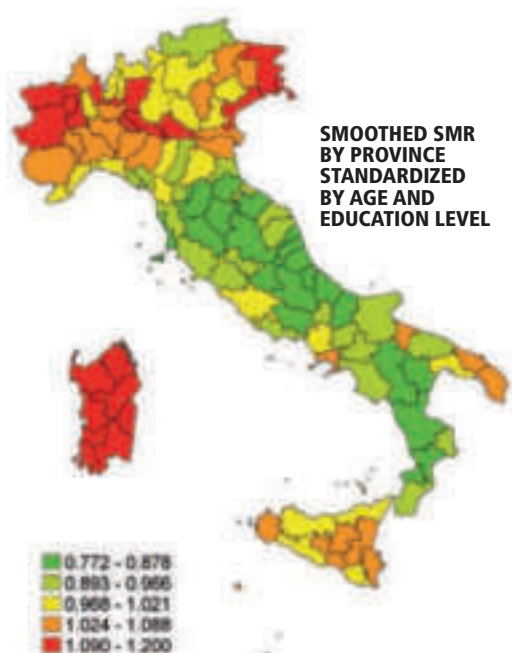
**PAF.** A lower education level appears to be protective, generally, in particular in the Central-Southern regions (except Molise and Basilicata), in line with the different distribution of the number of births per woman and the tendency to breastfeed by education level and by area of residence.



## DONNE

### WOMEN

**ETÀ 30-89**  
**AGE 30-89**



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	408	83 6082	5.0 (4.5-5.6)	1		225	
	Medium	765	1 676 727	5.5 (5.1-5.9)	1.09 (0.96-1.23)		245	
	Low	1 515	2 414 836	4.3 (4.1-4.6)	0.86 (0.76-0.96)		202	
Valle d'Aosta	High	10	24 747	5.3 (2.8-10.0)	1		200	
	Medium	21	47 069	5.4 (3.5-8.4)	1.03 (0.47-2.24)		267	
	Low	53	67 283	5.4 (4.0-7.3)	1.03 (0.51-2.09)		214	
Lombardia	High	873	1 989 400	4.8 (4.5-5.1)	1		217	
	Medium	1 525	3 710 635	5.3 (5.0-5.6)	1.11 (1.02-1.21)		238	
	Low	3 234	4 972 897	4.6 (4.5-4.8)	0.97 (0.90-1.05)		214	
Bolzano	High	42	89 740	4.9 (3.5-6.8)	1		316	
	Medium	58	199 428	4.0 (3.0-5.2)	0.81 (0.53-1.23)		191	
	Low	109	223 412	3.5 (2.9-4.3)	0.72 (0.49-1.06)		156	
Trento	High	55	103 543	6.2 (4.7-8.2)	1		244	
	Medium	57	225 643	3.2 (2.4-4.2)	0.51 (0.35-0.75)		151	
	Low	139	225 141	4.0 (3.3-4.8)	0.64 (0.46-0.90)		178	
Veneto	High	323	833 402	4.5 (4.0-5.0)	1		195	
	Medium	543	1 680 237	4.9 (4.5-5.4)	1.09 (0.95-1.27)		224	
	Low	1 758	2 777 381	4.4 (4.2-4.6)	0.98 (0.87-1.11)		200	
Friuli Venezia Giulia	High	127	263 149	5.0 (4.1-5.9)	1		225	
	Medium	243	503 326	5.6 (4.9-6.3)	1.12 (0.90-1.40)		269	
	Low	425	612 209	4.5 (4.1-5.0)	0.92 (0.74-1.13)		204	
Liguria	High	214	405 013	4.5 (3.9-5.2)	1		180	
	Medium	263	661 034	4.3 (3.8-4.9)	0.95 (0.79-1.15)		198	
	Low	517	786 175	4.2 (3.8-4.6)	0.93 (0.78-1.11)		204	
Emilia-Romagna	High	437	982 490	4.9 (4.5-5.4)	1		213	
	Medium	574	1 657 944	4.9 (4.5-5.3)	0.99 (0.87-1.13)		220	
	Low	1 347	2 237 787	3.8 (3.6-4.1)	0.78 (0.69-0.87)		171	
Toscana	High	327	804 123	4.3 (3.8-4.8)	1		215	
	Medium	346	1 314 238	3.6 (3.2-4.1)	0.85 (0.72-0.99)		172	
	Low	1 118	2 057 570	3.6 (3.3-3.8)	0.83 (0.73-0.95)		165	
Umbria	High	89	205 592	4.7 (3.8-5.8)	1		215	
	Medium	92	325 316	4.1 (3.3-5.2)	0.89 (0.65-1.22)		189	
	Low	219	460 587	2.9 (2.5-3.4)	0.63 (0.48-0.82)		142	
Marche	High	120	323 451	4.2 (3.5-5.1)	1		196	
	Medium	160	519 041	4.6 (3.9-5.5)	1.09 (0.85-1.41)		218	
	Low	478	856 620	3.7 (3.3-4.1)	0.87 (0.71-1.08)		180	
Lazio	High	647	1 522 088	4.4 (4.1-4.8)	1		207	
	Medium	697	2 177 071	4.4 (4.1-4.7)	0.99 (0.88-1.10)		204	
	Low	1 410	2 438 459	4.1 (3.9-4.3)	0.92 (0.84-1.02)		195	
Abruzzo	High	102	286 014	4.0 (3.3-4.9)	1		213	
	Medium	136	435 854	4.5 (3.7-5.5)	1.13 (0.86-1.50)		229	
	Low	344	705 762	3.2 (2.9-3.6)	0.80 (0.63-1.01)		149	
Molise	High	13	63 987	2.5 (1.4-4.4)	1		69	
	Medium	29	93 174	5.5 (3.5-8.5)	2.22 (1.08-4.55)		230	
	Low	98	182 398	3.5 (2.8-4.4)	1.42 (0.77-2.61)		151	
Campania	High	407	960 276	4.8 (4.4-5.4)	1		216	
	Medium	498	1 599 876	4.5 (4.1-5.0)	0.94 (0.82-1.08)		239	
	Low	1 654	3 283 605	4.2 (4.0-4.4)	0.87 (0.77-0.97)		206	
Puglia	High	261	646 788	5.0 (4.4-5.6)	1		231	
	Medium	296	1 066 681	4.2 (3.7-4.8)	0.85 (0.71-1.02)		218	
	Low	1 413	2 564 345	4.4 (4.1-4.6)	0.88 (0.77-1.01)		213	
Basilicata	High	18	99 340	2.5 (1.5-4.0)	1		110	
	Medium	36	170 598	2.9 (1.9-4.4)	1.17 (0.61-2.22)		166	
	Low	147	343 548	3.1 (2.6-3.7)	1.27 (0.75-2.12)		161	
Calabria	High	154	366 406	4.8 (4.1-5.7)	1		248	
	Medium	130	542 152	4.0 (3.3-4.9)	0.83 (0.64-1.08)		197	
	Low	518	1 124 577	3.4 (3.1-3.7)	0.70 (0.58-0.85)		155	
Sicilia	High	430	839 323	5.4 (4.9-5.9)	1		253	
	Medium	447	1 416 022	4.5 (4.1-5.0)	0.84 (0.73-0.97)		230	
	Low	1 568	2 963 827	4.2 (4.0-4.4)	0.79 (0.70-0.88)		198	
Sardegna	High	133	317 889	4.9 (4.1-5.8)	1		222	
	Medium	224	506 958	6.1 (5.3-7.0)	1.26 (1.00-1.58)		313	
	Low	598	991 152	4.8 (4.4-5.2)	0.99 (0.81-1.21)		245	
Italia	High	5 190	11 962 838	4.7 (4.6-4.9)	1		216	
	Medium	7 140	20 529 020	4.8 (4.7-4.9)	1.01 (0.98-1.05)		225	
	Low	18 662	3 228 9 567	4.2 (4.1-4.2)	0.88 (0.85-0.91)		196	



## TUMORI MALIGNI DELLA VESCICA

### MALIGNANT NEOPLASMS OF BLADDER

**SMR.** Si rilevano eccessi modesti nelle donne (del 4% all'80° centile) e più marcati tra gli uomini (del 7% all'80° centile). **UOMINI:** si osserva un gradiente Nord-Sud, con eccessi nel Lazio, in tutte le regioni meridionali e nelle isole e con un cluster in alcune province della Toscana (in particolare Pistoia). La maggiore mortalità potrebbe essere parzialmente dovuta al maggiore consumo di grassi animali. **DONNE:** si segnalano cluster in Sardegna, nell'area delle Dolomiti, in Campania (eccetto Benevento), nella Toscana, nel Piemonte orientale e in alcune province dell'Emilia (Piacenza, Bologna) e delle Marche (Pesaro Urbino).

**PAF. UOMINI:** i valori sono mediamente più alti rispetto alle donne, sono superiori al 25% in Veneto, Trentino-Alto Adige, Valle d'Aosta, Lazio, Campania, Basilicata; tuttavia, il quadro è abbastanza eterogeneo, con regioni (Umbria, Marche, Molise, Sardegna, Friuli-Venezia Giulia) dove un titolo di studio basso è protettivo o non associato. **DONNE:** un più basso livello di istruzione in molte regioni risulta essere protettivo o con rischi attribuibili al di sotto del 15%, tranne che in Lombardia, Liguria, Bolzano, Abruzzo, Basilicata e Calabria.

2012-2014

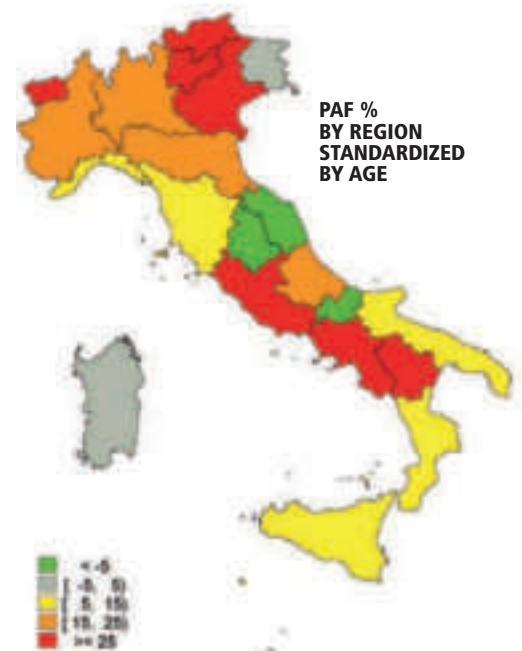
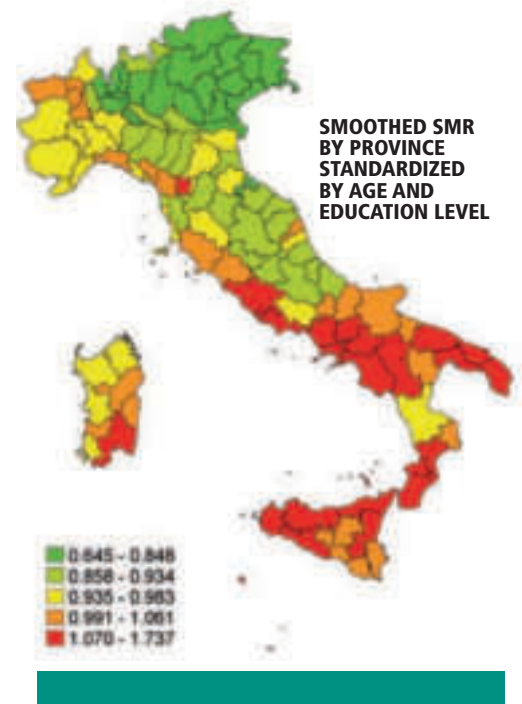
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	142	818 021	1.6 (1.4-1.9)	1	29
	Medium	206	1 580 984	2.0 (1.7-2.3)	1.24 (0.99-1.54)	38
	Low	584	2 065 138	2.3 (2.2-2.5)	1.45 (1.20-1.76)	48
Valle d'Aosta	High	2	23 025	0.8 (0.2-3.6)	1	13
	Medium	6	43 054	2.9 (1.2-7.0)	3.59 (0.63-20.29)	33
	Low	16	63 600	2.5 (1.5-4.1)	3.06 (0.63-14.82)	77
Lombardia	High	274	1 923 344	1.4 (1.2-1.6)	1	26
	Medium	349	3 478 639	1.8 (1.6-2.0)	1.28 (1.09-1.51)	36
	Low	888	4 387 573	1.9 (1.8-2.1)	1.41 (1.23-1.62)	42
Bolzano	High	9	86 156	1.0 (0.5-1.9)	1	13
	Medium	16	187 921	1.9 (1.1-3.1)	1.93 (0.83-4.50)	36
	Low	40	208 018	1.8 (1.3-2.5)	1.88 (0.89-3.94)	31
Trento	High	14	101 157	1.5 (0.9-2.6)	1	22
	Medium	29	210 020	3.2 (2.2-4.6)	2.10 (1.09-4.04)	32
	Low	46	202 879	1.9 (1.4-2.6)	1.27 (0.69-2.34)	38
Veneto	High	85	840 505	1.0 (0.8-1.3)	1	20
	Medium	140	1 783 406	1.6 (1.4-1.9)	1.55 (1.17-2.06)	35
	Low	402	2 275 576	1.5 (1.4-1.7)	1.46 (1.15-1.87)	29
Friuli Venezia Giulia	High	46	256 926	1.6 (1.2-2.2)	1	32
	Medium	55	518 112	1.6 (1.2-2.1)	0.99 (0.66-1.49)	34
	Low	91	482 532	1.5 (1.2-1.9)	0.95 (0.66-1.37)	35
Liguria	High	91	359 649	1.9 (1.6-2.4)	1	31
	Medium	93	602 274	1.9 (1.6-2.4)	1.02 (0.76-1.36)	42
	Low	202	644 480	2.3 (2.0-2.6)	1.20 (0.93-1.55)	48
Emilia-Romagna	High	136	864 484	1.6 (1.3-1.9)	1	26
	Medium	169	1 582 791	1.9 (1.6-2.2)	1.17 (0.92-1.48)	43
	Low	558	1 982 289	2.1 (1.9-2.3)	1.30 (1.07-1.58)	43
Toscana	High	138	710 841	1.8 (1.5-2.1)	1	34
	Medium	156	1 249 632	2.0 (1.7-2.4)	1.13 (0.89-1.43)	42
	Low	518	1 772 636	2.2 (2.0-2.4)	1.23 (1.01-1.50)	47
Umbria	High	37	180 175	2.2 (1.6-3.1)	1	44
	Medium	32	342 532	1.7 (1.2-2.5)	0.76 (0.46-1.25)	38
	Low	95	360 932	1.6 (1.3-1.9)	0.70 (0.47-1.04)	36
Marche	High	60	287 273	2.2 (1.7-2.8)	1	40
	Medium	42	538 873	1.6 (1.2-2.2)	0.73 (0.48-1.09)	27
	Low	228	720 635	2.1 (1.8-2.4)	0.96 (0.72-1.29)	37
Lazio	High	243	1 358 451	1.7 (1.5-2.0)	1	31
	Medium	298	2 073 918	2.7 (2.4-3.0)	1.53 (1.29-1.82)	53
	Low	562	1 968 190	2.5 (2.3-2.7)	1.44 (1.23-1.68)	60
Abruzzo	High	38	254 990	1.5 (1.1-2.1)	1	39
	Medium	54	468 140	2.3 (1.7-3.1)	1.56 (1.00-2.42)	55
	Low	151	578 741	1.8 (1.5-2.1)	1.19 (0.82-1.74)	33
Molise	High	13	56 815	2.4 (1.3-4.2)	1	50
	Medium	10	103 063	2.0 (1.1-3.9)	0.86 (0.36-2.05)	49
	Low	38	152 945	1.8 (1.3-2.5)	0.77 (0.39-1.50)	39
Campania	High	197	909 229	2.3 (2.0-2.7)	1	46
	Medium	313	1 717 812	3.3 (2.9-3.7)	1.43 (1.18-1.73)	76
	Low	851	2 609 431	3.6 (3.4-3.9)	1.55 (1.32-1.83)	82
Puglia	High	122	614 254	2.1 (1.8-2.6)	1	43
	Medium	140	1 149 011	2.3 (1.9-2.8)	1.09 (0.84-1.41)	50
	Low	598	2 086 918	2.6 (2.4-2.8)	1.24 (1.01-1.52)	56
Basilicata	High	13	91 178	1.5 (0.8-2.6)	1	43
	Medium	13	183 319	1.6 (0.9-2.9)	1.10 (0.48-2.52)	45
	Low	97	291 033	2.4 (1.9-2.9)	1.62 (0.88-2.98)	48
Calabria	High	57	325 325	2.0 (1.6-2.7)	1	39
	Medium	65	593 842	2.4 (1.8-3.1)	1.18 (0.81-1.73)	46
	Low	271	936 916	2.3 (2.0-2.6)	1.11 (0.83-1.50)	45
Sicilia	High	162	767 785	2.2 (1.9-2.6)	1	39
	Medium	185	1 434 675	2.5 (2.1-2.9)	1.09 (0.88-1.36)	51
	Low	702	2 454 220	2.6 (2.4-2.8)	1.14 (0.96-1.36)	54
Sardegna	High	47	247 778	2.2 (1.6-3.0)	1	37
	Medium	69	484 814	2.5 (2.0-3.3)	1.14 (0.77-1.70)	52
	Low	211	945 577	2.2 (2.0-2.6)	1.01 (0.72-1.41)	56
Italia	High	1 926	11 077 356	1.7 (1.7-1.8)	1	32
	Medium	2 440	20 326 825	2.1 (2.1-2.2)	1.24 (1.17-1.32)	45
	Low	7 149	27 190 254	2.3 (2.2-2.3)	1.31 (1.24-1.38)	49



## UOMINI

### MEN

ETÀ 30-89  
AGE 30-89





## TUMORI MALIGNI DELLA VESCICA

### MALIGNANT NEOPLASMS OF BLADDER



**SMR.** Mortality registers modest excess in women (4% at the 80<sup>th</sup> centile), while it is more marked for men (7%). **MEN:** a North-South gradient can be seen, with excess mortality in Lazio and all the Southern regions and the Islands, and a cluster in some provinces in the Tuscan Apennines. This excess mortality may be partially explained by the more frequent consumption of animal fats. **WOMEN:** the distribution is more irregular: there are clusters in Sardegna, in the Dolomites, in Campania (except Benevento), in Tuscany, in Eastern Piemonte and in some provinces in Emilia (Piacenza, Bologna) and Marche (Pesaro-Urbino).

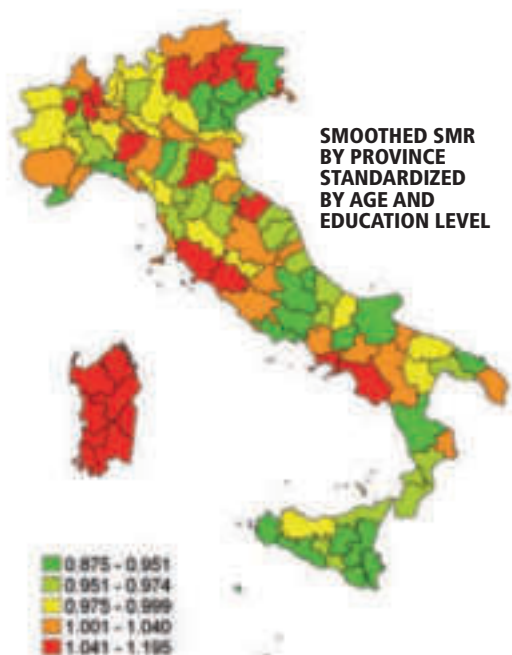
**PAF. MEN:** values are on average higher than among women, with PAF above 25% in Veneto, Trentino-Alto Adige, Valle d'Aosta, Lazio, Campania and Basilicata. However, the overall picture is quite heterogeneous; in some regions (Umbria, Marche, Molise, Sardegna, Friuli Venezia Giulia) low education level is protective or not associated. **WOMEN:** low education level appears to be protective, and in any case, the attributable risks are low (below 15%), except in Lombardia, Liguria, Bolzano, Abruzzo, Basilicata and Calabria.



### DONNE

#### WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)		MMR (95%CI)	RATE x10 000	
Piemonte	High	24	836 082	0.3 (0.2-0.5)	1		7	
	Medium	39	1 676 727	0.3 (0.2-0.4)	1.03 (0.62-1.72)		6	
	Low	179	2 414 836	0.4 (0.3-0.5)	1.26 (0.81-1.94)		9	
Valle d'Aosta	High	1	24 747	0.7 (0.1-4.9)	1		9	
	Medium	2	47 069	0.5 (0.1-2.1)	0.75 (0.07-8.31)		26	
	Low	4	67 283	0.3 (0.1-0.8)	0.44 (0.05-3.93)		3	
Lombardia	High	52	1 989 400	0.3 (0.2-0.4)	1		8	
	Medium	104	3 710 635	0.4 (0.3-0.5)	1.42 (1.01-1.99)		11	
	Low	320	4 972 897	0.4 (0.3-0.4)	1.28 (0.95-1.73)		9	
Bolzano	High	1	89 740	0.1 (0.0-0.7)	1		4	
	Medium	4	199 428	0.3 (0.1-0.7)	2.79 (0.31-25.31)		15	
	Low	19	223 412	0.5 (0.3-0.8)	4.98 (0.66-37.64)		13	
Trento	High	6	103 543	0.7 (0.3-1.6)	1		31	
	Medium	5	225 643	0.4 (0.1-0.9)	0.52 (0.15-1.78)		7	
	Low	24	225 141	0.5 (0.3-0.8)	0.78 (0.30-2.03)		15	
Veneto	High	25	833 402	0.4 (0.2-0.5)	1		10	
	Medium	27	1 680 237	0.3 (0.2-0.5)	0.86 (0.49-1.51)		7	
	Low	140	2 777 381	0.3 (0.2-0.3)	0.81 (0.52-1.26)		7	
Friuli Venezia Giulia	High	10	263 149	0.4 (0.2-0.7)	1		10	
	Medium	14	503 326	0.4 (0.2-0.6)	0.95 (0.42-2.15)		6	
	Low	49	612 209	0.4 (0.3-0.5)	0.98 (0.49-1.96)		6	
Liguria	High	12	405 013	0.2 (0.1-0.4)	1		8	
	Medium	18	661 034	0.3 (0.2-0.5)	1.33 (0.63-2.83)		7	
	Low	63	786 175	0.4 (0.3-0.5)	1.49 (0.77-2.87)		7	
Emilia-Romagna	High	39	982 490	0.5 (0.3-0.7)	1		10	
	Medium	40	1 657 944	0.4 (0.3-0.6)	0.91 (0.58-1.43)		12	
	Low	168	2 237 787	0.4 (0.3-0.5)	0.87 (0.60-1.24)		13	
Toscana	High	26	804 123	0.3 (0.2-0.5)	1		9	
	Medium	29	1 314 238	0.4 (0.3-0.6)	1.30 (0.76-2.23)		8	
	Low	129	2 057 570	0.3 (0.3-0.4)	0.92 (0.60-1.42)		7	
Umbria	High	10	205 592	0.6 (0.3-1.1)	1		15	
	Medium	9	325 316	0.5 (0.3-1.1)	0.96 (0.38-2.47)		13	
	Low	31	460 587	0.3 (0.2-0.5)	0.57 (0.27-1.21)		10	
Marche	High	17	323 451	0.6 (0.4-1.0)	1		21	
	Medium	14	519 041	0.5 (0.3-0.9)	0.87 (0.42-1.83)		14	
	Low	56	856 620	0.3 (0.3-0.5)	0.57 (0.32-1.01)		10	
Lazio	High	55	1 522 088	0.4 (0.3-0.5)	1		8	
	Medium	51	2 177 071	0.4 (0.3-0.5)	1.12 (0.76-1.65)		10	
	Low	161	2 438 459	0.4 (0.3-0.5)	1.05 (0.76-1.44)		10	
Abruzzo	High	4	286 014	0.2 (0.1-0.4)	1		6	
	Medium	5	435 854	0.2 (0.1-0.6)	1.37 (0.31-5.95)		7	
	Low	35	705 762	0.2 (0.2-0.3)	1.51 (0.51-4.52)		3	
Molise	High	2	63 987	0.3 (0.1-1.4)	1		14	
	Medium	0	93 174	0.0	0.00		.	
	Low	10	182 398	0.2 (0.1-0.4)	0.68 (0.15-3.18)		3	
Campania	High	35	960 276	0.4 (0.3-0.6)	1		8	
	Medium	37	1 599 876	0.5 (0.4-0.7)	1.17 (0.73-1.88)		12	
	Low	200	3 283 605	0.5 (0.4-0.5)	1.01 (0.70-1.46)		12	
Puglia	High	13	646 788	0.3 (0.2-0.5)	1		5	
	Medium	7	1 066 681	0.1 (0.1-0.3)	0.49 (0.19-1.27)		5	
	Low	145	2 564 345	0.4 (0.3-0.4)	1.31 (0.72-2.36)		7	
Basilicata	High	2	99 340	0.3 (0.1-1.3)	1		7	
	Medium	0	170 598	0.0	0.00		.	
	Low	28	343 548	0.5 (0.3-0.7)	1.86 (0.38-9.17)		17	
Calabria	High	8	366 406	0.3 (0.1-0.5)	1		6	
	Medium	8	542 152	0.4 (0.2-0.8)	1.59 (0.57-4.46)		7	
	Low	59	1 124 577	0.3 (0.2-0.4)	1.23 (0.56-2.68)		9	
Sicilia	High	28	839 323	0.4 (0.3-0.5)	1		9	
	Medium	25	1 416 022	0.4 (0.2-0.6)	0.99 (0.57-1.72)		8	
	Low	152	2 963 827	0.3 (0.3-0.4)	0.90 (0.60-1.36)		7	
Sardegna	High	11	317 889	0.5 (0.3-1.0)	1		7	
	Medium	11	506 958	0.4 (0.2-0.8)	0.83 (0.35-1.97)		9	
	Low	61	991 152	0.4 (0.3-0.5)	0.74 (0.38-1.42)		9	
Italia	High	381	11 962 838	0.4 (0.3-0.4)	1		9	
	Medium	449	20 529 020	0.4 (0.3-0.4)	1.07 (0.93-1.23)		9	
	Low	2033	32 289 567	0.4 (0.3-0.4)	1.02 (0.91-1.14)		9	



## TUMORI MALIGNI DELL'UTERO

### MALIGNANT NEOPLASMS OF UTERUS

**SMR.** Si osserva un gradiente Nord-Sud, con eccessi di mortalità in tutto il Mezzogiorno, in particolare in Sicilia, Calabria e nelle province sannite; inoltre, rischi particolarmente elevati si osservano in Piemonte, a Bologna e Ferrara. **PAF.** Un più basso livello di istruzione si associa a un eccesso di mortalità abbastanza generalizzato, con valori superiori al 25% in Sicilia, Molise e Valle d'Aosta, regioni queste ultime dove le stime sono state effettuate su valori assoluti poco numerosi. Un titolo di studio di livello inferiore risulta essere protettivo in Abruzzo e non associato al tumore dell'utero in Calabria e a Bolzano.

**SMR.** A North-South gradient can be seen, with excess mortality throughout the South, in particular in Sicilia, Calabria and in the sannite provinces in Campania. Particularly high risk can only be seen in Piemonte, Bologna and Ferrara. **PAF.** A lower education level is associated with quite diffuse excess risk, with values over 25% in Sicilia, Molise and Valle d'Aosta. In these regions, however, estimates were calculated on very limited absolute values. A lower education level proved to be protective in Abruzzo and not associated with uterine cancer in Calabria or in Bolzano.

2012-2014

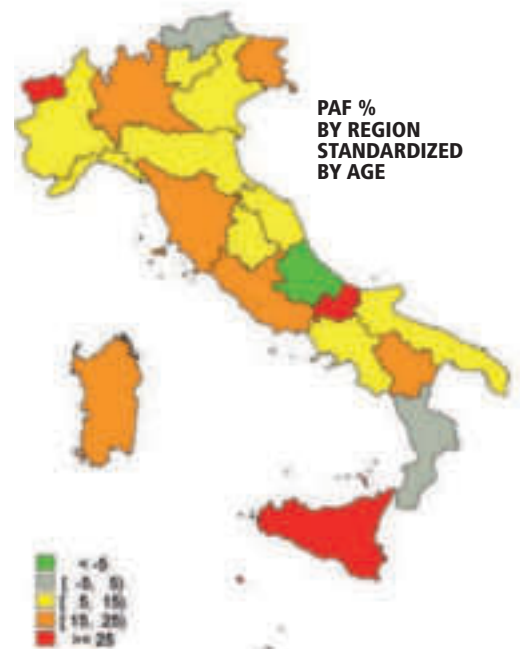
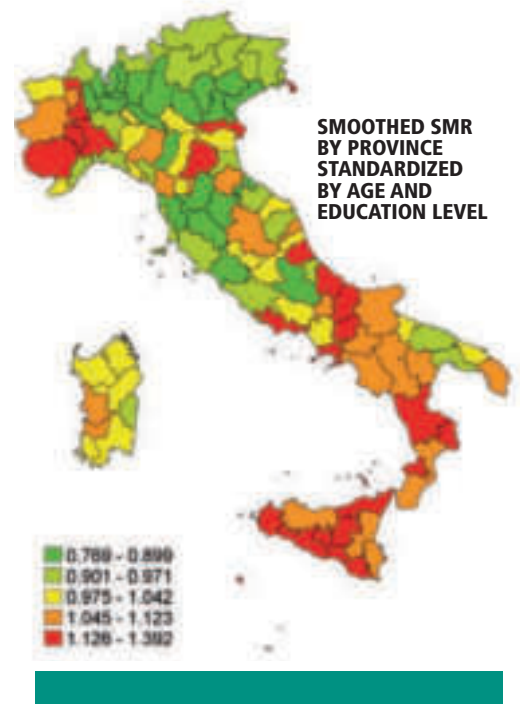
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	85	836 082	1.1 (0.8-1.3)	1	41
	Medium	170	1 676 727	1.2 (1.1-1.5)	1.19 (0.91-1.55)	51
	Low	448	2 414 836	1.3 (1.2-1.4)	1.22 (0.96-1.55)	57
Valle d'Aosta	High	1	24 747	0.3 (0.0-2.4)	1	19
	Medium	4	47 069	1.0 (0.4-2.8)	3.01 (0.33-27.38)	59
	Low	10	67 283	0.9 (0.4-1.9)	2.74 (0.34-22.29)	49
Lombardia	High	128	1 989 400	0.7 (0.6-0.8)	1	26
	Medium	264	3 710 635	0.9 (0.8-1.0)	1.31 (1.05-1.62)	40
	Low	676	4 972 897	1.0 (0.9-1.1)	1.39 (1.15-1.69)	47
Bolzano	High	9	89 740	0.9 (0.5-1.8)	1	29
	Medium	11	199 428	0.8 (0.4-1.5)	0.87 (0.35-2.17)	33
	Low	34	223 412	1.1 (0.8-1.6)	1.18 (0.55-2.54)	42
Trento	High	8	103 543	0.9 (0.4-1.9)	1	42
	Medium	16	225 643	1.0 (0.6-1.6)	1.12 (0.46-2.71)	46
	Low	36	225 141	1.1 (0.8-1.5)	1.20 (0.53-2.71)	49
Veneto	High	56	833 402	0.8 (0.6-1.0)	1	25
	Medium	93	1 680 237	0.8 (0.6-1.0)	1.04 (0.73-1.47)	42
	Low	381	2 777 381	1.0 (0.9-1.1)	1.27 (0.95-1.70)	43
Friuli Venezia Giulia	High	24	263 149	0.9 (0.6-1.3)	1	32
	Medium	45	503 326	1.1 (0.8-1.4)	1.23 (0.74-2.06)	40
	Low	105	612 209	1.2 (0.9-1.5)	1.34 (0.84-2.14)	53
Liguria	High	41	405 013	0.9 (0.6-1.2)	1	46
	Medium	55	661 034	0.9 (0.7-1.2)	1.02 (0.67-1.55)	39
	Low	129	786 175	1.1 (0.9-1.3)	1.23 (0.84-1.79)	54
Emilia-Romagna	High	90	982 490	1.0 (0.8-1.3)	1	39
	Medium	125	1 657 944	1.2 (1.0-1.5)	1.18 (0.89-1.57)	42
	Low	395	2 237 787	1.2 (1.1-1.3)	1.17 (0.92-1.48)	52
Toscana	High	63	804 123	0.8 (0.6-1.1)	1	38
	Medium	82	1 314 238	0.9 (0.7-1.2)	1.13 (0.80-1.59)	40
	Low	328	2 057 570	1.1 (1.0-1.2)	1.31 (0.99-1.74)	50
Umbria	High	21	205 592	1.2 (0.8-1.8)	1	57
	Medium	29	325 316	1.4 (1.0-2.1)	1.20 (0.66-2.17)	64
	Low	90	460 587	1.3 (1.0-1.6)	1.08 (0.65-1.78)	59
Marche	High	29	323 451	1.1 (0.7-1.6)	1	52
	Medium	37	519 041	1.2 (0.8-1.7)	1.07 (0.64-1.80)	52
	Low	141	856 620	1.1 (0.9-1.4)	1.06 (0.70-1.62)	59
Lazio	High	116	1 522 088	0.8 (0.7-1.0)	1	34
	Medium	161	2 177 071	1.1 (0.9-1.2)	1.33 (1.04-1.71)	47
	Low	391	2 438 459	1.1 (1.0-1.3)	1.43 (1.15-1.78)	49
Abruzzo	High	34	286 014	1.5 (1.1-2.1)	1	67
	Medium	31	435 854	1.1 (0.8-1.7)	0.76 (0.45-1.30)	53
	Low	115	705 762	1.1 (0.9-1.4)	0.75 (0.50-1.12)	54
Molise	High	4	63 987	0.8 (0.3-2.3)	1	31
	Medium	7	93 174	1.2 (0.5-2.8)	1.47 (0.39-5.53)	59
	Low	40	182 398	1.5 (1.1-2.1)	1.84 (0.63-5.39)	67
Campania	High	96	960 276	1.1 (0.9-1.4)	1	45
	Medium	125	1 599 876	1.2 (1.0-1.5)	1.08 (0.81-1.43)	61
	Low	487	3 283 605	1.3 (1.2-1.4)	1.10 (0.88-1.38)	60
Puglia	High	50	646 788	0.9 (0.7-1.2)	1	44
	Medium	68	1 066 681	1.1 (0.8-1.4)	1.17 (0.79-1.73)	48
	Low	372	2 564 345	1.1 (1.0-1.3)	1.21 (0.89-1.65)	53
Basilicata	High	8	99 340	0.9 (0.5-1.9)	1	73
	Medium	8	170 598	0.7 (0.3-1.6)	0.73 (0.24-2.22)	35
	Low	66	343 548	1.4 (1.1-1.9)	1.52 (0.71-3.26)	73
Calabria	High	38	366 406	1.3 (0.9-1.8)	1	37
	Medium	39	542 152	1.4 (1.0-2.1)	1.10 (0.67-1.81)	62
	Low	201	1 124 577	1.3 (1.1-1.5)	1.00 (0.70-1.44)	53
Sicilia	High	80	839 323	1.0 (0.8-1.2)	1	43
	Medium	113	1 416 022	1.3 (1.1-1.6)	1.38 (1.02-1.86)	50
	Low	519	2 963 827	1.4 (1.3-1.5)	1.47 (1.16-1.88)	63
Sardegna	High	25	317 889	0.8 (0.6-1.3)	1	28
	Medium	24	506 958	0.8 (0.5-1.3)	0.98 (0.54-1.79)	24
	Low	163	991 152	1.2 (1.1-1.5)	1.48 (0.95-2.32)	55
Italia	High	1006	11 962 838	0.9 (0.9-1.0)	1	37
	Medium	1507	20 529 020	1.1 (1.0-1.1)	1.17 (1.07-1.27)	46
	Low	5127	32 289 567	1.2 (1.1-1.2)	1.27 (1.19-1.36)	53



## DONNE

### WOMEN

ETÀ 30-89  
AGE 30-89



## TUMORI MALIGNI DELL'OVAIO

### MALIGNANT NEOPLASMS OF OVARY



**SMR.** Il 20% delle province ha eccessi di mortalità superiori all'8%. Si osserva un gradiente Sud-Nord ed Est-Ovest, con eccessi in Piemonte, Lombardia settentrionale, Emilia, Toscana, e province limitrofe (Terni, Viterbo). **PAF.** Un più basso livello di istruzione appare essere protettivo per la mortalità da tumori maligni dell'ovaio in buona parte delle regioni italiane, con l'eccezione di Basilicata, Valle d'Aosta (le donne più istruite hanno rischi superiori del 25%) e Liguria (rischi tra 15 e 25% in più delle meno istruite).

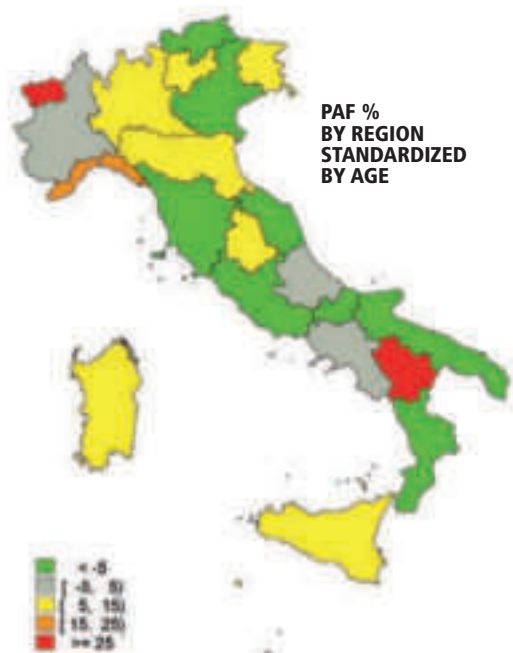
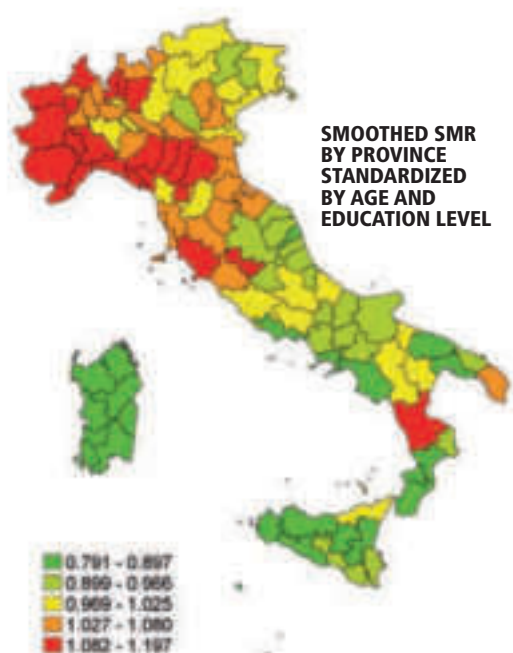
**SMR.** 20% of provinces have over 8% excess mortality. A South-North and East-West gradient can be seen, with excesses in Piemonte, Northern Lombardia, Emilia, Toscana and neighbouring provinces (Terni, Viterbo). **PAF.** A lower education level appears to be protective against mortality due to malignant neoplasms of the ovary in most Italian regions except in Basilicata, Valle d'Aosta (more educated women have a risk over 25%) and Liguria (risks between 15 and 25% in those with less education).



## DONNE

### WOMEN

**ETÀ 30-89**  
**AGE 30-89**



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	108	83 6082	1.3 (1.1-1.6)	1		55	
	Medium	217	1 676 727	1.6 (1.4-1.8)	1.17 (0.92-1.49)		71	
	Low	473	2 414 836	1.3 (1.2-1.5)	0.99 (0.79-1.23)		56	
Valle d'Aosta	High	4	24 747	1.5 (0.5-4.0)	1		66	
	Medium	6	47 069	1.5 (0.7-3.5)	1.06 (0.29-3.94)		69	
	Low	21	67 283	2.6 (1.6-4.1)	1.78 (0.58-5.45)		125	
Lombardia	High	224	1 989 400	1.2 (1.1-1.4)	1		54	
	Medium	383	3 710 635	1.3 (1.2-1.5)	1.11 (0.94-1.32)		62	
	Low	885	4 972 897	1.3 (1.2-1.4)	1.06 (0.91-1.23)		56	
Bolzano	High	14	89 740	1.7 (1.0-2.9)	1		64	
	Medium	10	199 428	0.7 (0.4-1.4)	0.44 (0.19-1.02)		35	
	Low	37	223 412	1.1 (0.8-1.5)	0.63 (0.33-1.21)		31	
Trento	High	12	103 543	1.2 (0.7-2.1)	1		48	
	Medium	28	225 643	1.7 (1.2-2.5)	1.45 (0.73-2.91)		73	
	Low	38	225 141	1.1 (0.8-1.5)	0.94 (0.48-1.85)		44	
Veneto	High	102	833 402	1.4 (1.2-1.7)	1		59	
	Medium	125	1 680 237	1.2 (1.0-1.5)	0.84 (0.64-1.11)		50	
	Low	455	2 777 381	1.2 (1.0-1.3)	0.81 (0.65-1.01)		48	
Friuli Venezia Giulia	High	28	263 149	1.1 (0.7-1.6)	1		43	
	Medium	49	503 326	1.2 (0.9-1.5)	1.07 (0.66-1.73)		53	
	Low	119	612 209	1.3 (1.1-1.6)	1.24 (0.80-1.91)		55	
Liguria	High	56	405 013	1.1 (0.9-1.5)	1		53	
	Medium	94	661 034	1.5 (1.3-1.9)	1.37 (0.97-1.92)		74	
	Low	196	786 175	1.6 (1.4-1.9)	1.42 (1.03-1.95)		77	
Emilia-Romagna	High	121	982 490	1.4 (1.1-1.7)	1		61	
	Medium	197	1 657 944	1.8 (1.6-2.1)	1.30 (1.03-1.65)		73	
	Low	466	2 237 787	1.4 (1.2-1.5)	1.00 (0.81-1.23)		58	
Toscana	High	101	804 123	1.4 (1.2-1.7)	1		69	
	Medium	104	1 314 238	1.2 (1.0-1.4)	0.83 (0.62-1.11)		52	
	Low	418	2 057 570	1.4 (1.2-1.5)	0.97 (0.77-1.21)		60	
Umbria	High	28	205 592	1.4 (0.9-2.0)	1		54	
	Medium	38	325 316	2.1 (1.5-2.9)	1.54 (0.91-2.58)		76	
	Low	84	460 587	1.1 (0.9-1.4)	0.83 (0.52-1.31)		45	
Marche	High	37	323 451	1.3 (0.9-1.8)	1		56	
	Medium	47	519 041	1.3 (1.0-1.8)	1.06 (0.67-1.68)		63	
	Low	126	856 620	1.0 (0.8-1.2)	0.76 (0.52-1.12)		44	
Lazio	High	206	1 522 088	1.4 (1.2-1.6)	1		70	
	Medium	205	2 177 071	1.3 (1.1-1.5)	0.93 (0.76-1.14)		64	
	Low	400	2 438 459	1.2 (1.1-1.3)	0.85 (0.72-1.02)		53	
Abruzzo	High	29	286 014	1.2 (0.8-1.8)	1		62	
	Medium	39	435 854	1.4 (1.0-2.0)	1.13 (0.67-1.92)		64	
	Low	123	705 762	1.1 (0.9-1.4)	0.94 (0.61-1.43)		48	
Molise	High	11	63 987	2.0 (1.1-3.8)	1		112	
	Medium	4	93 174	0.9 (0.3-2.7)	0.43 (0.12-1.55)		25	
	Low	29	182 398	1.2 (0.8-1.8)	0.61 (0.29-1.27)		59	
Campania	High	87	960 276	1.0 (0.8-1.3)	1		53	
	Medium	118	1 599 876	1.2 (0.9-1.4)	1.13 (0.84-1.52)		57	
	Low	395	3 283 605	1.0 (0.9-1.2)	1.03 (0.81-1.31)		56	
Puglia	High	78	646 788	1.4 (1.1-1.8)	1		73	
	Medium	70	1 066 681	1.1 (0.8-1.4)	0.74 (0.52-1.06)		49	
	Low	375	2 564 345	1.2 (1.1-1.3)	0.83 (0.64-1.07)		57	
Basilicata	High	8	99 340	0.9 (0.4-1.8)	1		73	
	Medium	15	170 598	2.0 (1.1-3.6)	2.25 (0.87-5.82)		66	
	Low	74	343 548	1.4 (1.1-1.8)	1.58 (0.73-3.43)		56	
Calabria	High	45	366 406	1.4 (1.1-1.9)	1		62	
	Medium	30	542 152	0.9 (0.6-1.3)	0.62 (0.37-1.04)		47	
	Low	175	1 124 577	1.1 (1.0-1.3)	0.78 (0.55-1.10)		45	
Sicilia	High	77	839 323	1.0 (0.8-1.2)	1		43	
	Medium	123	1 416 022	1.2 (1.0-1.5)	1.25 (0.93-1.69)		66	
	Low	406	2 963 827	1.1 (1.0-1.2)	1.13 (0.88-1.45)		54	
Sardegna	High	25	317 889	0.9 (0.6-1.3)	1		49	
	Medium	31	506 958	0.9 (0.6-1.3)	0.99 (0.56-1.75)		41	
	Low	141	991 152	1.1 (0.9-1.3)	1.27 (0.81-1.99)		48	
Italia	High	1 401	11 962 838	1.3 (1.2-1.3)	1		59	
	Medium	1 933	20 529 020	1.3 (1.3-1.4)	1.05 (0.98-1.13)		61	
	Low	5 436	32 289 567	1.2 (1.2-1.3)	0.97 (0.91-1.03)		55	



# MORBO DI HODGKIN E LINFOMI

## HODGKIN'S DISEASE AND LYMPHOMAS

**SMR.** Il 20% delle province ha eccessi di mortalità superiori al 6%. Gli eccessi sono presenti in Piemonte, Lombardia, Liguria ed Emilia; un eccesso si osserva anche in Sardegna, in particolare tra le **DONNE**, mentre tra gli **UOMINI** anche nelle province venete più occidentali (Padova e Treviso in particolare).

**PAF.** Un più basso livello di istruzione non si associa a un eccesso di rischio o è addirittura protettivo; **DONNE:** si osservano eccezioni con valori superiori al 15% in Lombardia, Trentino e Basilicata. **UOMINI:** si osservano eccezioni con valori superiori al 15% in Liguria e Valle d'Aosta.

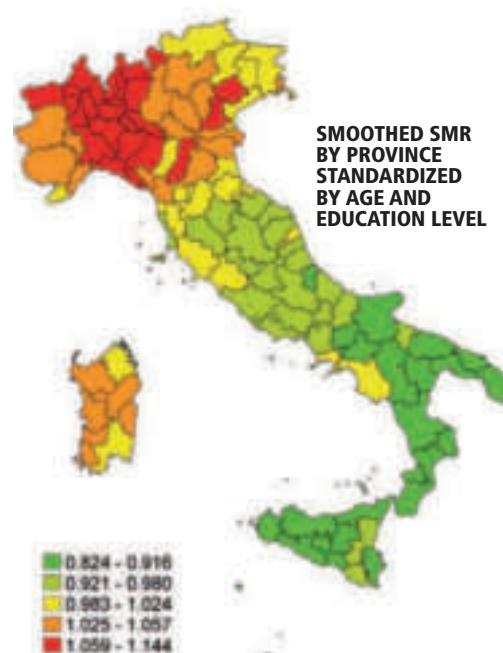
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL RATE x10 000
				RATE x10 000 (95%CI)		MMR (95%CI)		
Piemonte	High	131	818 021	1.4 (1.2-1.7)		1		43
	Medium	155	1 580 984	1.3 (1.1-1.6)		0.93 (0.73-1.19)		42
	Low	370	2 065 138	1.5 (1.4-1.7)		1.06 (0.86-1.31)		50
Valle d'Aosta	High	2	23 025	0.8 (0.2-3.4)		1		18
	Medium	5	43 054	1.3 (0.5-3.2)		1.59 (0.30-8.50)		59
	Low	7	63 600	1.1 (0.5-2.4)		1.35 (0.27-6.79)		34
Lombardia	High	290	1 923 344	1.4 (1.3-1.6)		1		37
	Medium	325	3 478 639	1.5 (1.3-1.7)		1.04 (0.88-1.23)		43
	Low	734	4 387 573	1.6 (1.5-1.7)		1.13 (0.98-1.29)		52
Bolzano	High	9	86 156	1.0 (0.5-1.9)		1		12
	Medium	9	187 921	0.6 (0.3-1.2)		0.63 (0.24-1.65)		39
	Low	28	208 018	1.2 (0.9-1.8)		1.29 (0.60-2.78)		29
Trento	High	15	101 157	1.5 (0.9-2.5)		1		46
	Medium	24	210 020	2.1 (1.4-3.2)		1.42 (0.72-2.80)		61
	Low	27	202 879	1.1 (0.7-1.6)		0.74 (0.39-1.42)		19
Veneto	High	117	840 505	1.4 (1.2-1.7)		1		40
	Medium	122	1 783 406	1.2 (1.0-1.4)		0.81 (0.62-1.07)		40
	Low	391	2 275 576	1.6 (1.4-1.7)		1.08 (0.87-1.33)		50
Friuli Venezia Giulia	High	34	256 926	1.1 (0.8-1.6)		1		29
	Medium	52	518 112	1.4 (1.1-1.9)		1.28 (0.82-2.01)		37
	Low	73	482 532	1.3 (1.0-1.6)		1.16 (0.76-1.77)		42
Liguria	High	51	359 649	1.0 (0.8-1.4)		1		33
	Medium	71	602 274	1.4 (1.1-1.8)		1.36 (0.94-1.96)		44
	Low	126	644 480	1.4 (1.2-1.7)		1.41 (1.00-1.97)		39
Emilia-Romagna	High	128	864 484	1.5 (1.2-1.8)		1		50
	Medium	133	1 582 791	1.4 (1.2-1.7)		0.94 (0.73-1.21)		38
	Low	375	1 982 289	1.5 (1.3-1.7)		1.00 (0.81-1.23)		45
Toscana	High	112	710 841	1.5 (1.2-1.8)		1		45
	Medium	112	1 249 632	1.3 (1.1-1.6)		0.89 (0.68-1.17)		41
	Low	281	1 772 636	1.3 (1.1-1.5)		0.87 (0.69-1.09)		41
Umbria	High	37	180 175	2.1 (1.5-2.9)		1		64
	Medium	8	342 532	0.3 (0.1-0.6)		0.15 (0.07-0.33)		15
	Low	66	360 932	1.2 (0.9-1.5)		0.56 (0.37-0.87)		28
Marche	High	43	287 273	1.5 (1.1-2.1)		1		54
	Medium	41	538 873	1.2 (0.9-1.7)		0.81 (0.51-1.29)		44
	Low	126	720 635	1.3 (1.1-1.6)		0.86 (0.59-1.23)		38
Lazio	High	174	1 358 451	1.2 (1.0-1.4)		1		37
	Medium	179	2 073 918	1.3 (1.2-1.6)		1.12 (0.90-1.39)		45
	Low	293	1 968 190	1.4 (1.2-1.5)		1.13 (0.93-1.37)		45
Abruzzo	High	31	254 990	1.2 (0.8-1.8)		1		34
	Medium	37	468 140	1.4 (1.0-2.1)		1.19 (0.71-1.98)		42
	Low	81	578 741	1.1 (0.8-1.3)		0.87 (0.56-1.35)		36
Molise	High	6	56 815	1.2 (0.5-2.8)		1		37
	Medium	6	103 063	1.4 (0.6-3.3)		1.10 (0.33-3.72)		27
	Low	26	152 945	1.2 (0.8-1.7)		0.94 (0.37-2.38)		29
Campania	High	115	909 229	1.3 (1.1-1.6)		1		46
	Medium	172	1 717 812	1.4 (1.2-1.7)		1.11 (0.86-1.43)		60
	Low	314	2 609 431	1.3 (1.2-1.5)		1.01 (0.81-1.26)		49
Puglia	High	62	614 254	1.0 (0.8-1.4)		1		26
	Medium	95	1 149 011	1.4 (1.1-1.7)		1.33 (0.94-1.87)		44
	Low	235	2 086 918	1.1 (0.9-1.2)		1.03 (0.77-1.38)		39
Basilicata	High	9	91 178	1.4 (0.7-2.6)		1		32
	Medium	13	183 319	1.2 (0.7-2.3)		0.90 (0.36-2.24)		56
	Low	37	291 033	1.0 (0.7-1.5)		0.77 (0.36-1.62)		39
Calabria	High	47	325 325	1.4 (1.0-1.9)		1		38
	Medium	39	593 842	1.1 (0.8-1.6)		0.79 (0.49-1.25)		39
	Low	104	936 916	1.0 (0.8-1.2)		0.70 (0.49-1.01)		46
Sicilia	High	89	767 785	1.1 (0.9-1.4)		1		41
	Medium	120	1 434 675	1.3 (1.0-1.5)		1.13 (0.84-1.51)		48
	Low	317	2 454 220	1.2 (1.1-1.4)		1.12 (0.87-1.42)		50
Sardegna	High	32	247 778	1.2 (0.8-1.7)		1		45
	Medium	46	484 814	1.4 (1.0-1.9)		1.14 (0.70-1.85)		51
	Low	131	945 577	1.4 (1.2-1.7)		1.18 (0.78-1.78)		47
Italia	High	1 534	11 077 356	1.3 (1.3-1.4)		1		40
	Medium	1 764	20 326 825	1.3 (1.3-1.4)		1.01 (0.94-1.09)		44
	Low	4 142	27 190 254	1.4 (1.3-1.4)		1.03 (0.97-1.09)		46



### UOMINI MEN

ETÀ 30-89  
AGE 30-89



SMOOTHED SMR BY PROVINCE STANDARDIZED BY AGE AND EDUCATION LEVEL



PAF % BY REGION STANDARDIZED BY AGE

## MORBO DI HODGKIN E LINFOMI

### HODGKIN'S DISEASE AND LYMPHOMAS



**SMR.** 20% of provinces have over 6% excess mortality. Excesses are seen in Piemonte, Lombardia, Liguria and Emilia; excess can also be seen in Sardegna, particularly among **WOMEN**; while excess is registered among **MEN** even in the most Western provinces of Veneto (particularly in Padova and Treviso).

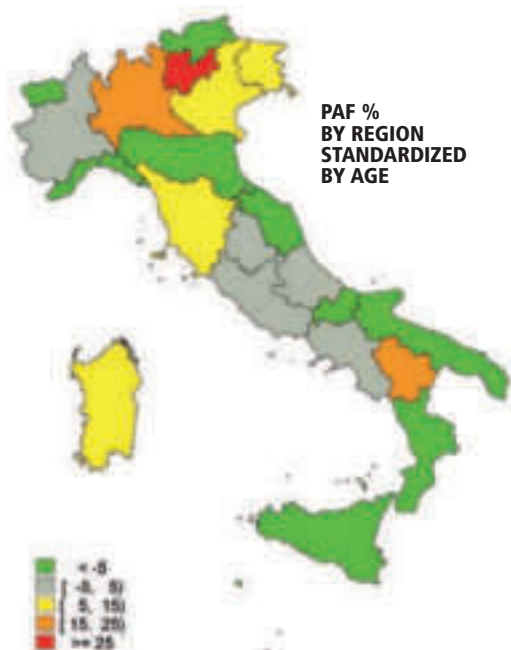
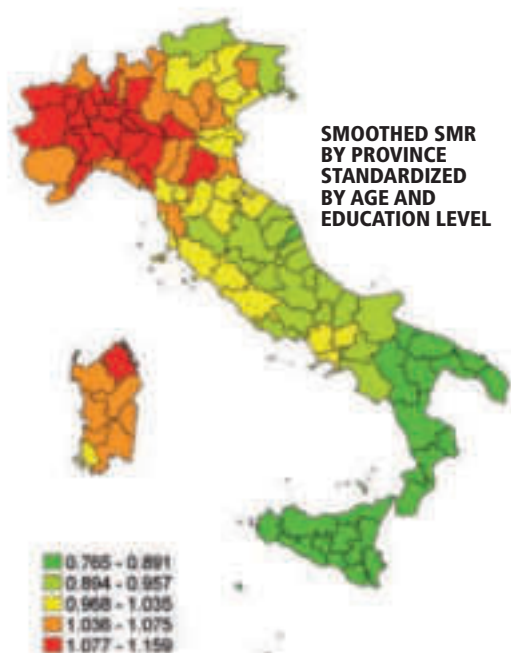
**PAF.** A lower education level is not associated with excess risk or is even protective. Exceptions, with values above 15%, are seen among **WOMEN** in Lombardia, Trento and Basilicata, and among **MEN** in Liguria and Valle d'Aosta.



### DONNE

#### WOMEN

**ETÀ 30-89**  
**AGE 30-89**



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	72	836 082	0.9 (0.7-1.2)	1		23	
	Medium	106	1 676 727	0.8 (0.7-1.0)	0.90 (0.67-1.23)		22	
	Low	378	2 414 836	0.9 (0.8-1.1)	1.02 (0.78-1.32)		31	
Valle d'Aosta	High	3	24 747	1.1 (0.3-3.8)	1		28	
	Medium	1	47 069	0.3 (0.0-2.0)	0.25 (0.02-2.50)		9	
	Low	8	67 283	0.7 (0.3-1.4)	0.61 (0.15-2.56)		20	
Lombardia	High	124	1 989 400	0.7 (0.6-0.8)	1		21	
	Medium	244	3 710 635	0.9 (0.8-1.1)	1.38 (1.11-1.72)		26	
	Low	772	4 972 897	1.0 (0.9-1.0)	1.40 (1.15-1.70)		28	
Bolzano	High	5	89 740	0.6 (0.3-1.5)	1		10	
	Medium	7	199 428	0.5 (0.2-1.1)	0.83 (0.26-2.70)		23	
	Low	16	223 412	0.5 (0.3-0.8)	0.78 (0.28-2.21)		23	
Trento	High	5	103 543	0.5 (0.2-1.3)	1		16	
	Medium	15	225 643	1.0 (0.6-1.6)	1.95 (0.67-5.64)		30	
	Low	29	225 141	0.8 (0.6-1.3)	1.71 (0.62-4.66)		27	
Veneto	High	54	833 402	0.8 (0.6-1.0)	1		21	
	Medium	101	1 680 237	1.0 (0.8-1.3)	1.30 (0.92-1.84)		40	
	Low	366	2 777 381	0.8 (0.7-0.9)	1.04 (0.78-1.40)		25	
Friuli Venezia Giulia	High	17	263 149	0.6 (0.4-1.0)	1		19	
	Medium	29	503 326	0.7 (0.5-1.0)	1.11 (0.60-2.04)		29	
	Low	83	612 209	0.8 (0.6-1.0)	1.21 (0.70-2.07)		25	
Liguria	High	46	405 013	1.0 (0.7-1.3)	1		41	
	Medium	49	661 034	0.8 (0.6-1.1)	0.87 (0.57-1.31)		21	
	Low	118	786 175	0.8 (0.6-0.9)	0.80 (0.55-1.14)		21	
Emilia-Romagna	High	79	982 490	0.9 (0.7-1.2)	1		23	
	Medium	78	1 657 944	0.8 (0.6-1.0)	0.84 (0.61-1.16)		26	
	Low	386	2 237 787	0.9 (0.8-1.0)	0.97 (0.76-1.25)		25	
Toscana	High	51	804 123	0.7 (0.5-1.0)	1		24	
	Medium	63	1 314 238	0.8 (0.6-1.0)	1.09 (0.75-1.61)		31	
	Low	313	2 057 570	0.9 (0.8-1.0)	1.21 (0.89-1.64)		28	
Umbria	High	11	205 592	0.7 (0.4-1.2)	1		18	
	Medium	12	325 316	0.6 (0.3-1.1)	0.91 (0.38-2.18)		23	
	Low	65	460 587	0.7 (0.5-0.9)	1.01 (0.52-1.97)		16	
Marche	High	23	323 451	0.8 (0.6-1.3)	1		22	
	Medium	23	519 041	0.9 (0.6-1.3)	1.03 (0.56-1.88)		26	
	Low	114	856 620	0.7 (0.6-0.9)	0.87 (0.54-1.38)		22	
Lazio	High	120	1 522 088	0.8 (0.7-1.0)	1		26	
	Medium	126	2 177 071	0.9 (0.8-1.1)	1.12 (0.87-1.45)		31	
	Low	308	2 438 459	0.8 (0.7-0.9)	0.99 (0.80-1.23)		28	
Abruzzo	High	16	286 014	0.7 (0.4-1.1)	1		35	
	Medium	16	435 854	0.7 (0.4-1.1)	1.00 (0.47-2.13)		27	
	Low	80	705 762	0.7 (0.6-0.9)	1.09 (0.61-1.94)		29	
Molise	High	5	63 987	1.0 (0.4-2.6)	1		14	
	Medium	3	93 174	0.7 (0.2-2.4)	0.64 (0.13-3.10)		21	
	Low	28	182 398	1.0 (0.7-1.5)	0.95 (0.35-2.57)		40	
Campania	High	71	960 276	0.9 (0.7-1.1)	1		35	
	Medium	75	1 599 876	0.8 (0.6-1.0)	0.92 (0.65-1.30)		34	
	Low	366	3 283 605	0.9 (0.8-1.0)	1.04 (0.80-1.35)		35	
Puglia	High	35	646 788	0.7 (0.5-1.0)	1		21	
	Medium	31	1 066 681	0.5 (0.3-0.7)	0.72 (0.43-1.22)		21	
	Low	237	2 564 345	0.7 (0.6-0.8)	0.99 (0.68-1.44)		27	
Basilicata	High	4	99 340	0.6 (0.2-1.5)	1		40	
	Medium	9	170 598	1.0 (0.5-2.3)	1.88 (0.52-6.78)		49	
	Low	32	343 548	0.6 (0.4-0.8)	1.04 (0.35-3.09)		22	
Calabria	High	32	366 406	1.2 (0.8-1.7)	1		33	
	Medium	23	542 152	0.8 (0.5-1.3)	0.69 (0.38-1.25)		33	
	Low	97	1 124 577	0.7 (0.5-0.8)	0.56 (0.37-0.84)		30	
Sicilia	High	64	839 323	0.8 (0.6-1.1)	1		33	
	Medium	70	1 416 022	0.8 (0.6-1.0)	0.97 (0.68-1.39)		31	
	Low	263	2 963 827	0.7 (0.6-0.8)	0.81 (0.61-1.07)		24	
Sardegna	High	20	317 889	0.8 (0.5-1.3)	1		24	
	Medium	22	506 958	0.7 (0.4-1.1)	0.89 (0.46-1.71)		27	
	Low	129	991 152	1.0 (0.8-1.2)	1.21 (0.74-1.99)		38	
Italia	High	857	11 962 838	0.8 (0.8-0.9)	1		25	
	Medium	1103	20 529 020	0.9 (0.8-0.9)	1.06 (0.97-1.16)		29	
	Low	4188	32 289 567	0.8 (0.8-0.9)	1.04 (0.96-1.12)		28	



# LEUCEMIE

## LEUKAEMIAS

**SMR.** Gli eccessi di mortalità sono minimi, con il 20% delle province che presenta eccessi maggiori del 2% negli **UOMINI** e del 3% nelle **DONNE**.

**PAF. UOMINI:** i valori mostrano un quadro eterogeneo con eccessi superiori al 25% in Toscana e Basilicata, superiori al 15% in Friuli-Venezia Giulia, Emilia-Romagna, Lazio, e metà delle regioni in cui un basso titolo di studio non si associa o è protettivo. **DONNE:** un più basso livello di istruzione non si associa a un eccesso di rischio, né risulta protettivo, con l'eccezione della Puglia (PAF superiore al 25%) e dell'Abruzzo (PAF compreso tra 15-25%).

2012-2014

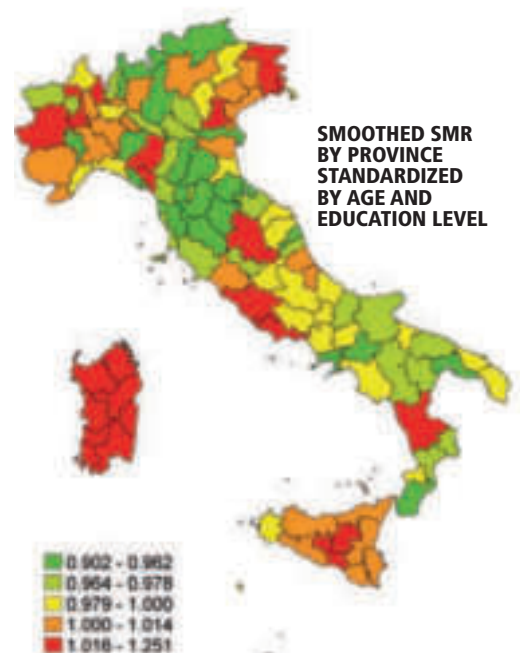
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	157	818 021	1.7 (1.5-2.0)	1	42
	Medium	188	1 580 984	1.7 (1.4-1.9)	0.96 (0.77-1.19)	49
	Low	430	2 065 138	1.8 (1.6-1.9)	1.01 (0.84-1.22)	46
Valle d'Aosta	High	3	23 025	1.2 (0.3-3.8)	1	24
	Medium	3	43 054	1.2 (0.4-3.8)	1.02 (0.19-5.42)	23
	Low	7	63 600	1.0 (0.5-2.1)	0.89 (0.22-3.64)	16
Lombardia	High	333	1 923 344	1.7 (1.5-1.9)	1	39
	Medium	341	3 478 639	1.6 (1.4-1.8)	0.96 (0.82-1.13)	40
	Low	728	4 387 573	1.6 (1.5-1.7)	0.95 (0.83-1.08)	43
Bolzano	High	10	86 156	1.0 (0.5-2.0)	1	39
	Medium	13	187 921	1.2 (0.7-2.1)	1.21 (0.49-2.97)	40
	Low	21	208 018	1.0 (0.6-1.5)	0.98 (0.44-2.22)	27
Trento	High	20	101 157	1.8 (1.1-2.8)	1	56
	Medium	18	210 020	1.5 (0.9-2.5)	0.88 (0.44-1.73)	44
	Low	45	202 879	1.9 (1.4-2.6)	1.10 (0.63-1.92)	66
Veneto	High	127	840 505	1.5 (1.3-1.8)	1	39
	Medium	151	1 783 406	1.6 (1.4-1.9)	1.06 (0.82-1.37)	42
	Low	426	2 275 576	1.7 (1.5-1.8)	1.09 (0.88-1.34)	51
Friuli Venezia Giulia	High	41	256 926	1.5 (1.1-2.1)	1	50
	Medium	67	518 112	1.8 (1.4-2.3)	1.16 (0.77-1.75)	62
	Low	112	482 532	2.1 (1.7-2.5)	1.37 (0.94-1.99)	72
Liguria	High	85	359 649	1.7 (1.4-2.1)	1	39
	Medium	75	602 274	1.6 (1.2-2.0)	0.92 (0.67-1.26)	34
	Low	123	644 480	1.4 (1.2-1.7)	0.83 (0.62-1.10)	35
Emilia-Romagna	High	105	864 484	1.2 (1.0-1.5)	1	29
	Medium	151	1 582 791	1.5 (1.3-1.8)	1.24 (0.96-1.61)	46
	Low	389	1 982 289	1.5 (1.3-1.7)	1.20 (0.96-1.51)	41
Toscana	High	87	710 841	1.1 (0.9-1.4)	1	32
	Medium	141	1 249 632	1.7 (1.4-2.0)	1.52 (1.15-2.01)	46
	Low	348	1 772 636	1.5 (1.4-1.7)	1.37 (1.08-1.75)	47
Umbria	High	33	180 175	1.9 (1.3-2.8)	1	75
	Medium	31	342 532	1.6 (1.1-2.3)	0.83 (0.49-1.39)	43
	Low	99	360 932	1.9 (1.5-2.3)	0.98 (0.64-1.48)	60
Marche	High	49	287 273	1.5 (1.1-2.0)	1	49
	Medium	58	538 873	1.9 (1.5-2.5)	1.32 (0.88-1.97)	52
	Low	132	720 635	1.3 (1.1-1.6)	0.89 (0.63-1.26)	34
Lazio	High	222	1 358 451	1.5 (1.3-1.7)	1	44
	Medium	250	2 073 918	2.0 (1.8-2.3)	1.33 (1.11-1.61)	57
	Low	409	1 968 190	1.8 (1.7-2.0)	1.22 (1.03-1.45)	57
Abruzzo	High	40	254 990	1.7 (1.2-2.3)	1	47
	Medium	52	468 140	2.1 (1.5-2.8)	1.24 (0.80-1.92)	60
	Low	126	578 741	1.6 (1.3-1.9)	0.95 (0.66-1.39)	45
Molise	High	8	56 815	1.7 (0.8-3.5)	1	29
	Medium	4	103 063	0.9 (0.3-2.8)	0.54 (0.14-2.01)	17
	Low	33	152 945	1.7 (1.2-2.5)	1.00 (0.44-2.25)	56
Campania	High	135	909 229	1.6 (1.3-1.9)	1	42
	Medium	148	1 717 812	1.4 (1.2-1.7)	0.87 (0.68-1.12)	44
	Low	363	2 609 431	1.5 (1.4-1.7)	0.94 (0.76-1.16)	53
Puglia	High	100	614 254	1.7 (1.4-2.1)	1	52
	Medium	117	1 149 011	1.8 (1.5-2.2)	1.05 (0.79-1.40)	53
	Low	330	2 086 918	1.5 (1.3-1.6)	0.87 (0.69-1.10)	48
Basilicata	High	6	91 178	0.8 (0.3-1.8)	1	11
	Medium	14	183 319	1.4 (0.8-2.5)	1.76 (0.62-4.99)	51
	Low	64	291 033	1.6 (1.3-2.1)	2.08 (0.85-5.10)	49
Calabria	High	49	325 325	1.6 (1.2-2.2)	1	51
	Medium	55	593 842	1.7 (1.2-2.2)	1.01 (0.66-1.52)	57
	Low	182	936 916	1.6 (1.4-1.9)	0.97 (0.70-1.35)	46
Sicilia	High	111	767 785	1.5 (1.2-1.8)	1	40
	Medium	145	1 434 675	1.6 (1.3-1.9)	1.10 (0.84-1.42)	56
	Low	435	2 454 220	1.6 (1.5-1.8)	1.13 (0.91-1.40)	52
Sardegna	High	44	247 778	1.9 (1.4-2.6)	1	41
	Medium	57	484 814	2.0 (1.5-2.6)	1.02 (0.67-1.55)	54
	Low	192	945 577	2.0 (1.7-2.3)	1.05 (0.74-1.48)	55
Italia	High	1 765	11 077 356	1.5 (1.5-1.6)	1	41
	Medium	2 079	20 326 825	1.7 (1.6-1.7)	1.08 (1.01-1.16)	48
	Low	4 994	27 190 254	1.6 (1.6-1.7)	1.05 (0.99-1.11)	48



## UOMINI

### MEN

ETÀ 30-89  
AGE 30-89



# LEUCEMIE LEUKAEMIAS



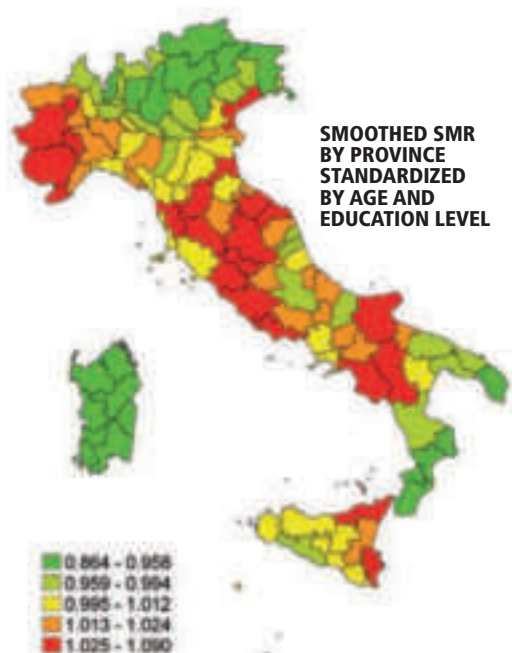
**SMR.** Mortality excesses are minimal, with 20% of provinces showing excesses of over 2% in **MEN** and 3% in **WOMEN**.

**PAF. MEN:** values are heterogenous, with excesses above 25% (Toscana, Basilicata) or above 15% (Friuli Venezia Giulia, Emilia-Romagna, Lazio), and yet in half of the regions, low education level is not associated with or is protective against dying of leukaemia. **WOMEN:** a lower education level is not associated with excess risk or is protective, except in Puglia (PAF above 25%) and in Abruzzo (PAF 15-25%).



## DONNE WOMEN

**ETÀ 30-89  
AGE 30-89**



**SMOOTHED SMR  
BY PROVINCE  
STANDARDIZED  
BY AGE AND  
EDUCATION LEVEL**



**PAF %  
BY REGION  
STANDARDIZED  
BY AGE**

□ PAF not calculable

2012-2014						
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				SMR x 10.000 (95%CI)	MMR x 10.000 (95%CI)	RATE x 10.000
Piemonte	High	71	836 082	0.9 (0.7-1.1)	1	33
	Medium	127	1 676 727	1.0 (0.8-1.2)	1.16 (0.86-1.57)	31
	Low	403	2 414 836	1.0 (0.9-1.1)	1.12 (0.86-1.46)	29
Valle d'Aosta	High	0	24 747	0.0	1	
	Medium	3	47 069	0.8 (0.3-2.6)		26
	Low	9	67 283	0.9 (0.4-1.9)		28
Lombardia	High	146	1 989 400	0.8 (0.7-1.0)	1	22
	Medium	221	3 710 635	0.8 (0.7-1.0)	1.02 (0.83-1.27)	25
	Low	657	4 972 897	0.8 (0.8-0.9)	1.01 (0.84-1.21)	27
Bolzano	High	7	89 740	0.9 (0.4-1.8)	1	40
	Medium	7	199 428	0.5 (0.2-1.1)	0.59 (0.20-1.73)	25
	Low	24	223 412	0.7 (0.4-1.0)	0.79 (0.33-1.89)	23
Trento	High	10	103 543	1.2 (0.6-2.2)	1	32
	Medium	11	225 643	0.8 (0.4-1.4)	0.67 (0.28-1.61)	24
	Low	32	225 141	0.7 (0.5-1.1)	0.62 (0.30-1.29)	15
Veneto	High	66	833 402	1.0 (0.8-1.2)	1	29
	Medium	84	1 680 237	0.9 (0.7-1.1)	0.91 (0.65-1.27)	31
	Low	404	2 777 381	0.9 (0.8-1.0)	0.91 (0.69-1.19)	26
Friuli Venezia Giulia	High	18	263 149	0.7 (0.4-1.2)	1	25
	Medium	34	503 326	0.9 (0.6-1.2)	1.20 (0.67-2.15)	23
	Low	77	612 209	0.7 (0.6-1.0)	1.04 (0.61-1.78)	25
Liguria	High	49	405 013	1.0 (0.8-1.3)	1	27
	Medium	49	661 034	0.8 (0.6-1.1)	0.81 (0.54-1.22)	25
	Low	131	786 175	0.9 (0.8-1.1)	0.92 (0.65-1.31)	31
Emilia-Romagna	High	86	982 490	1.0 (0.8-1.3)	1	35
	Medium	96	1 657 944	1.0 (0.8-1.2)	0.95 (0.70-1.29)	31
	Low	359	2 237 787	0.9 (0.8-1.0)	0.89 (0.70-1.14)	30
Toscana	High	67	804 123	0.9 (0.7-1.1)	1	33
	Medium	74	1 314 238	1.0 (0.8-1.3)	1.11 (0.79-1.57)	27
	Low	349	2 057 570	0.9 (0.8-1.0)	1.02 (0.77-1.33)	27
Umbria	High	22	205 592	1.3 (0.8-2.0)	1	48
	Medium	23	325 316	1.3 (0.8-2.0)	0.97 (0.52-1.81)	48
	Low	83	460 587	0.9 (0.7-1.2)	0.73 (0.45-1.19)	30
Marche	High	24	323 451	0.9 (0.6-1.4)	1	44
	Medium	14	519 041	0.5 (0.3-0.9)	0.54 (0.27-1.08)	11
	Low	153	856 620	0.9 (0.8-1.1)	0.99 (0.63-1.54)	24
Lazio	High	141	1 522 088	0.9 (0.8-1.1)	1	36
	Medium	137	2 177 071	1.0 (0.9-1.2)	1.08 (0.85-1.38)	34
	Low	396	2 438 459	1.0 (0.9-1.2)	1.11 (0.91-1.35)	36
Abruzzo	High	15	286 014	0.7 (0.4-1.1)	1	21
	Medium	23	435 854	1.1 (0.7-1.7)	1.64 (0.82-3.28)	35
	Low	106	705 762	0.8 (0.6-1.0)	1.15 (0.65-2.02)	21
Molise	High	5	63 987	1.0 (0.4-2.6)	1	10
	Medium	2	93 174	0.4 (0.1-1.8)	0.37 (0.06-2.20)	18
	Low	24	182 398	0.7 (0.4-1.1)	0.65 (0.23-1.79)	22
Campania	High	85	960 276	1.0 (0.8-1.3)	1	41
	Medium	64	1 599 876	0.7 (0.5-0.9)	0.64 (0.45-0.91)	27
	Low	385	3 283 605	0.9 (0.8-1.0)	0.88 (0.69-1.13)	33
Puglia	High	31	646 788	0.6 (0.4-0.9)	1	23
	Medium	52	1 066 681	0.8 (0.6-1.1)	1.32 (0.82-2.13)	34
	Low	326	2 564 345	0.9 (0.8-1.0)	1.46 (1.00-2.14)	34
Basilicata	High	11	99 340	1.5 (0.8-2.7)	1	60
	Medium	9	170 598	1.3 (0.6-2.8)	0.90 (0.33-2.42)	42
	Low	68	343 548	1.1 (0.9-1.4)	0.75 (0.38-1.48)	27
Calabria	High	22	366 406	0.7 (0.5-1.1)	1	27
	Medium	14	542 152	0.4 (0.2-0.8)	0.60 (0.28-1.29)	21
	Low	142	1 124 577	0.8 (0.7-1.0)	1.09 (0.68-1.73)	26
Sicilia	High	74	839 323	1.0 (0.8-1.2)	1	36
	Medium	66	1 416 022	0.8 (0.6-1.1)	0.85 (0.60-1.21)	28
	Low	384	2 963 827	0.9 (0.8-1.0)	0.96 (0.74-1.24)	30
Sardegna	High	19	317 889	0.8 (0.5-1.3)	1	31
	Medium	31	506 958	1.0 (0.7-1.4)	1.22 (0.67-2.24)	38
	Low	114	991 152	0.8 (0.7-1.0)	1.00 (0.61-1.66)	28
Italia	High	969	11 962 838	0.9 (0.9-1.0)	1	31
	Medium	1 141	20 529 020	0.9 (0.8-0.9)	0.98 (0.90-1.07)	29
	Low	4 626	32 289 567	0.9 (0.9-0.9)	0.99 (0.92-1.07)	29



# TUMORI MALIGNI DEL CERVELLO E DEL SISTEMA NERVOSO CENTRALE

## MALIGNANT NEOPLASMS OF BRAIN AND CENTRAL NERVOUS SYSTEM

**SMR.** Gli eccessi di mortalità sono lievi (2% nelle **DONNE** e 4% negli **UOMINI** all'80° centile), ma è presente un gradiente Sud-Nord, con eccessi concentrati nelle regioni centro-settentrionali.

**PAF.** Il quadro è fortemente eterogeneo, con il basso titolo di studio che si associa a rischi superiori al 25% oppure, viceversa, risulta essere protettivo. Il quadro è presumibilmente influenzato dal basso numero di eventi registrato in alcune regioni.

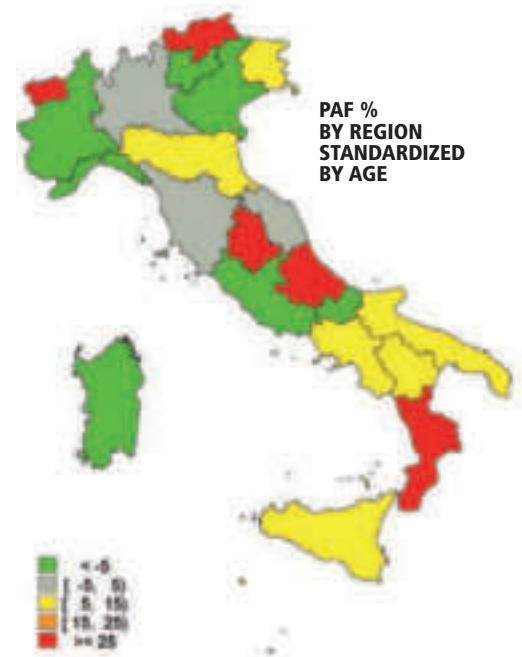
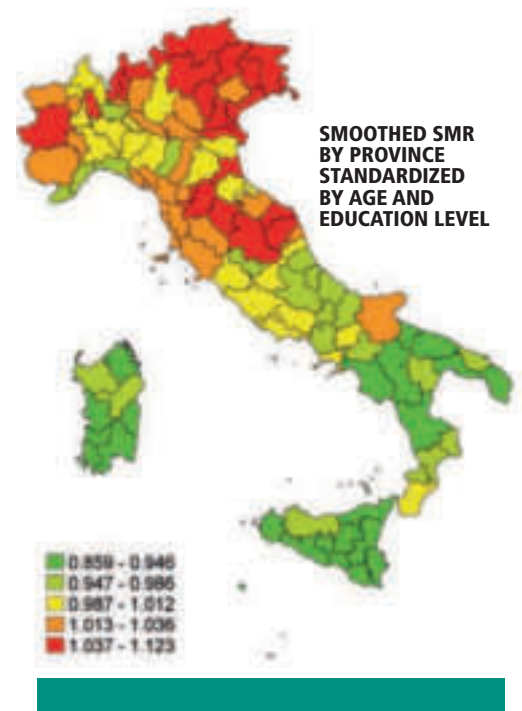
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	122	818 021	1.3 (1.0-1.5)	1	66
	Medium	151	1 580 984	1.1 (0.9-1.3)	0.89 (0.69-1.14)	57
	Low	265	2 065 138	1.2 (1.1-1.4)	0.96 (0.76-1.20)	60
Valle d'Aosta	High	1	23 025	0.2 (0.0-1.7)	1	13
	Medium	4	43 054	1.4 (0.5-3.9)	5.65 (0.61-51.91)	52
	Low	7	63 600	1.0 (0.5-2.1)	4.08 (0.50-33.18)	45
Lombardia	High	227	19 23 344	1.1 (0.9-1.2)	1	42
	Medium	307	3 478 639	1.1 (1.0-1.3)	1.07 (0.89-1.28)	58
	Low	474	4 387 573	1.1 (1.0-1.2)	1.02 (0.87-1.21)	57
Bolzano	High	8	86 156	1.0 (0.5-2.1)	1	63
	Medium	18	187 921	1.3 (0.8-2.1)	1.32 (0.53-3.26)	66
	Low	44	208 018	2.1 (1.6-2.8)	2.11 (0.93-4.77)	94
Trento	High	19	101 157	1.6 (1.0-2.7)	1	88
	Medium	17	210 020	1.2 (0.7-1.9)	0.71 (0.35-1.43)	59
	Low	26	202 879	1.2 (0.8-1.8)	0.75 (0.40-1.39)	70
Veneto	High	112	840 505	1.2 (1.0-1.5)	1	60
	Medium	142	1 783 406	1.1 (0.9-1.3)	0.90 (0.69-1.17)	57
	Low	255	2 275 576	1.1 (0.9-1.2)	0.89 (0.70-1.13)	59
Friuli Venezia Giulia	High	40	256 926	1.2 (0.9-1.7)	1	49
	Medium	58	518 112	1.3 (1.0-1.7)	1.09 (0.71-1.67)	72
	Low	75	482 532	1.6 (1.2-2.0)	1.31 (0.87-1.96)	95
Liguria	High	46	359 649	1.0 (0.8-1.4)	1	56
	Medium	62	602 274	1.2 (0.9-1.5)	1.11 (0.74-1.66)	59
	Low	61	644 480	0.8 (0.6-1.0)	0.76 (0.50-1.14)	37
Emilia-Romagna	High	90	864 484	1.0 (0.8-1.2)	1	57
	Medium	141	1 582 791	1.1 (1.0-1.4)	1.16 (0.88-1.53)	60
	Low	217	1 982 289	1.0 (0.9-1.1)	1.01 (0.78-1.31)	51
Toscana	High	103	710 841	1.3 (1.0-1.5)	1	62
	Medium	132	1 249 632	1.3 (1.1-1.6)	1.07 (0.82-1.41)	63
	Low	229	1 772 636	1.2 (1.0-1.3)	0.93 (0.73-1.19)	57
Umbria	High	17	180 175	0.8 (0.5-1.3)	1	30
	Medium	40	342 532	1.6 (1.1-2.3)	2.14 (1.16-3.93)	75
	Low	45	360 932	1.0 (0.7-1.3)	1.26 (0.70-2.27)	38
Marche	High	37	287 273	1.1 (0.8-1.6)	1	65
	Medium	44	538 873	1.0 (0.7-1.3)	0.85 (0.53-1.36)	64
	Low	109	720 635	1.3 (1.1-1.6)	1.19 (0.80-1.78)	69
Lazio	High	174	1 358 451	1.2 (1.0-1.4)	1	56
	Medium	195	2 073 918	1.2 (1.0-1.4)	1.03 (0.83-1.28)	64
	Low	195	1 968 190	0.9 (0.8-1.1)	0.81 (0.65-1.00)	50
Abruzzo	High	17	254 990	0.7 (0.4-1.1)	1	21
	Medium	32	468 140	1.0 (0.7-1.4)	1.46 (0.78-2.74)	49
	Low	64	578 741	1.0 (0.8-1.3)	1.49 (0.85-2.61)	52
Molise	High	7	56 815	1.3 (0.6-2.9)	1	45
	Medium	11	103 063	1.5 (0.8-2.9)	1.13 (0.41-3.12)	71
	Low	12	152 945	0.8 (0.4-1.4)	0.56 (0.21-1.50)	49
Campania	High	98	909 229	1.0 (0.8-1.2)	1	59
	Medium	163	1 717 812	1.3 (1.1-1.5)	1.29 (0.98-1.68)	62
	Low	248	2 609 431	1.0 (0.9-1.2)	1.06 (0.83-1.35)	52
Puglia	High	65	614 254	0.9 (0.7-1.2)	1	52
	Medium	94	1 149 011	1.1 (0.9-1.4)	1.22 (0.87-1.72)	54
	Low	210	2 086 918	1.0 (0.9-1.1)	1.08 (0.80-1.45)	50
Basilicata	High	11	91 178	1.1 (0.6-2.0)	1	54
	Medium	16	183 319	1.7 (1.0-3.0)	1.58 (0.67-3.71)	59
	Low	28	291 033	0.9 (0.6-1.3)	0.80 (0.38-1.69)	56
Calabria	High	26	325 325	0.7 (0.5-1.1)	1	42
	Medium	55	593 842	1.3 (1.0-1.7)	1.78 (1.07-2.96)	66
	Low	101	936 916	1.0 (0.8-1.2)	1.34 (0.85-2.12)	52
Sicilia	High	78	767 785	0.9 (0.7-1.2)	1	49
	Medium	97	1 434 675	0.9 (0.7-1.1)	0.93 (0.67-1.28)	49
	Low	262	2 454 220	1.1 (0.9-1.2)	1.15 (0.88-1.49)	59
Sardegna	High	32	247 778	1.2 (0.8-1.7)	1	77
	Medium	42	484 814	1.1 (0.8-1.5)	0.91 (0.56-1.50)	52
	Low	85	945 577	0.9 (0.7-1.1)	0.78 (0.50-1.20)	47
Italia	High	1 330	11 077 356	1.1 (1.0-1.1)	1	54
	Medium	1 821	20 326 825	1.2 (1.1-1.2)	1.07 (1.00-1.16)	59
	Low	3 012	27 190 254	1.1 (1.0-1.1)	0.99 (0.93-1.06)	55



### UOMINI MEN

ETÀ 30-89 AGE 30-89





## TUMORI MALIGNI DEL CERVELLO E DEL SISTEMA NERVOSO CENTRALE

### MALIGNANT NEOPLASMS OF BRAIN AND CENTRAL NERVOUS SYSTEM



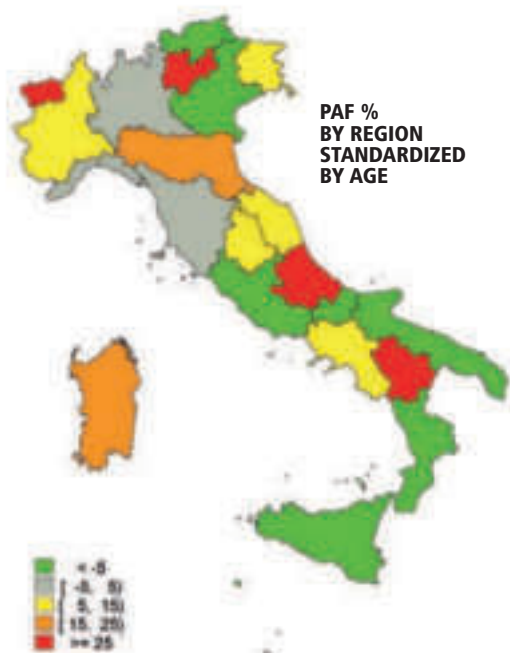
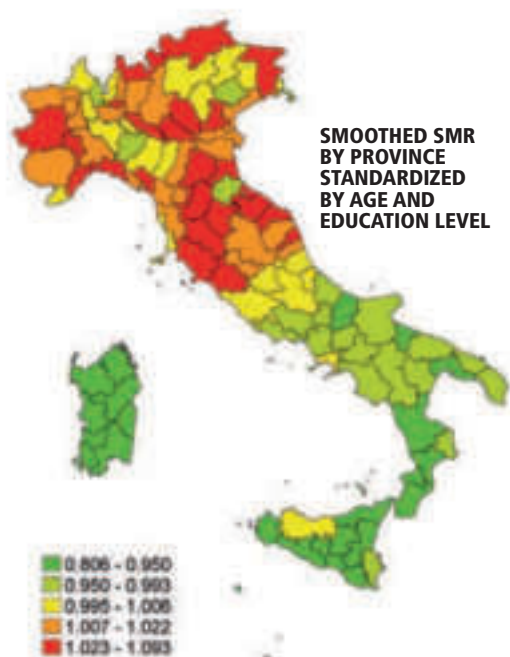
**SMR.** Malignant neoplasms of brain show slight excess mortality (2% in **WOMEN** and 4% in **MEN** at the 80<sup>th</sup> centile), though there is a South-North gradient, with the slight excess concentrated in the Central-Northern regions.

**PAF.** The picture is very heterogeneous; low education level is associated with risk above 25% but is also protective. This picture is presumably influenced by the limited number of events registered in some regions.



### DONNE WOMEN

**ETÀ 30-89  
AGE 30-89**



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	59	836 082	0.7 (0.6-1.0)	1		34	
	Medium	128	1 676 727	0.9 (0.8-1.1)	1.24 (0.90-1.70)		43	
	Low	244	2 414 836	0.8 (0.7-0.9)	1.06 (0.79-1.43)		42	
Valle d'Aosta	High	1	24 747	0.3 (0.0-1.9)	1		17	
	Medium	5	47 069	1.3 (0.5-3.3)	5.04 (0.58-43.61)		67	
	Low	4	67 283	0.4 (0.1-1.3)	1.59 (0.17-15.16)		14	
Lombardia	High	132	1 989 400	0.7 (0.6-0.9)	1		34	
	Medium	207	3 710 635	0.7 (0.6-0.8)	0.98 (0.78-1.23)		35	
	Low	486	4 972 897	0.7 (0.7-0.8)	1.01 (0.83-1.23)		36	
Bolzano	High	12	89 740	1.3 (0.7-2.3)	1		33	
	Medium	9	199 428	0.7 (0.3-1.3)	0.53 (0.22-1.29)		24	
	Low	24	223 412	0.9 (0.6-1.3)	0.68 (0.33-1.40)		50	
Trento	High	5	103 543	0.4 (0.2-1.1)	1		25	
	Medium	13	225 643	0.8 (0.4-1.4)	1.82 (0.63-5.21)		32	
	Low	19	225 141	0.6 (0.3-0.9)	1.29 (0.47-3.58)		21	
Veneto	High	58	833 402	0.8 (0.6-1.0)	1		36	
	Medium	75	1 680 237	0.6 (0.5-0.8)	0.80 (0.55-1.14)		35	
	Low	269	2 777 381	0.7 (0.7-0.9)	0.96 (0.72-1.29)		38	
Friuli Venezia Giulia	High	17	263 149	0.6 (0.4-1.1)	1		20	
	Medium	35	503 326	0.8 (0.6-1.1)	1.20 (0.66-2.19)		45	
	Low	56	612 209	0.7 (0.5-0.9)	1.07 (0.60-1.89)		37	
Liguria	High	35	405 013	0.8 (0.6-1.1)	1		34	
	Medium	48	661 034	0.8 (0.6-1.1)	1.01 (0.64-1.58)		37	
	Low	81	786 175	0.7 (0.6-0.9)	0.94 (0.61-1.44)		35	
Emilia-Romagna	High	52	982 490	0.6 (0.4-0.7)	1		23	
	Medium	89	1 657 944	0.8 (0.6-1.0)	1.41 (0.99-2.02)		36	
	Low	242	2 237 787	0.7 (0.6-0.8)	1.32 (0.96-1.81)		35	
Toscana	High	59	804 123	0.8 (0.6-1.0)	1		40	
	Medium	77	1 314 238	0.9 (0.7-1.1)	1.16 (0.81-1.66)		38	
	Low	228	2 057 570	0.7 (0.6-0.8)	0.93 (0.69-1.25)		28	
Umbria	High	13	205 592	0.7 (0.4-1.1)	1		29	
	Medium	12	325 316	0.5 (0.3-1.0)	0.81 (0.35-1.88)		24	
	Low	55	460 587	0.9 (0.6-1.2)	1.31 (0.68-2.49)		49	
Marche	High	20	323 451	0.7 (0.4-1.0)	1		29	
	Medium	25	519 041	0.6 (0.4-1.0)	0.96 (0.51-1.80)		40	
	Low	102	856 620	0.9 (0.7-1.1)	1.31 (0.79-2.17)		45	
Lazio	High	122	1 522 088	0.8 (0.7-1.0)	1		37	
	Medium	110	2 177 071	0.7 (0.6-0.9)	0.86 (0.66-1.12)		34	
	Low	224	2 438 459	0.7 (0.6-0.8)	0.82 (0.65-1.04)		29	
Abruzzo	High	15	286 014	0.5 (0.3-0.9)	1		35	
	Medium	26	435 854	1.0 (0.6-1.5)	1.84 (0.93-3.67)		42	
	Low	69	705 762	0.8 (0.6-1.0)	1.43 (0.79-2.59)		47	
Molise	High	4	63 987	0.7 (0.3-2.1)	1		28	
	Medium	4	93 174	0.8 (0.3-2.6)	1.13 (0.24-5.33)		37	
	Low	9	182 398	0.4 (0.2-0.8)	0.53 (0.15-1.89)		21	
Campania	High	57	960 276	0.7 (0.5-0.9)	1		32	
	Medium	84	1 599 876	0.8 (0.6-1.0)	1.16 (0.81-1.67)		39	
	Low	267	3 283 605	0.7 (0.6-0.8)	1.03 (0.76-1.38)		37	
Puglia	High	53	646 788	0.9 (0.7-1.2)	1		45	
	Medium	55	1 066 681	0.8 (0.6-1.1)	0.90 (0.60-1.36)		40	
	Low	186	2 564 345	0.6 (0.5-0.7)	0.66 (0.48-0.91)		31	
Basilicata	High	3	99 340	0.5 (0.1-1.6)	1		18	
	Medium	8	170 598	1.2 (0.5-2.5)	2.54 (0.61-10.64)		51	
	Low	31	343 548	0.7 (0.5-1.0)	1.48 (0.42-5.27)		36	
Calabria	High	28	366 406	0.8 (0.6-1.2)	1		48	
	Medium	27	542 152	0.7 (0.4-1.1)	0.80 (0.44-1.48)		41	
	Low	80	1 124 577	0.6 (0.4-0.7)	0.68 (0.43-1.07)		28	
Sicilia	High	72	839 323	0.9 (0.7-1.1)	1		40	
	Medium	71	1 416 022	0.6 (0.5-0.8)	0.72 (0.51-1.02)		41	
	Low	225	2 963 827	0.6 (0.6-0.7)	0.72 (0.54-0.94)		32	
Sardegna	High	16	317 889	0.6 (0.3-0.9)	1		32	
	Medium	23	506 958	0.7 (0.5-1.1)	1.31 (0.66-2.58)		27	
	Low	76	991 152	0.6 (0.5-0.8)	1.17 (0.66-2.06)		34	
Italia	High	833	11 962 838	0.7 (0.7-0.8)	1		35	
	Medium	1 131	20 529 020	0.8 (0.7-0.8)	1.02 (0.93-1.12)		37	
	Low	2 977	32 289 567	0.7 (0.7-0.7)	0.95 (0.88-1.03)		35	



## TUMORI MALIGNI DELLE VIE AEREE E DIGESTIVE SUPERIORI

### MALIGNANT NEOPLASMS OF UPPER RESPIRATORY AND DIGESTIVE TRACT

**SMR.** Gli eccessi di mortalità sono maggiori tra gli **UOMINI** (del 28% all'80° centile) rispetto alle **DONNE** (del 20% all'80° centile) e sono concentrati nelle regioni settentrionali e in Sardegna.

**PAF. UOMINI:** i valori sono superiori al 15% su tutto il territorio nazionale (eccetto Umbria e Marche) e superiori al 25% in oltre metà delle regioni. **DONNE:** il quadro si presenta fortemente eterogeneo ed è presumibilmente influenzato dal basso numero di eventi registrato in alcune regioni.

2012-2014

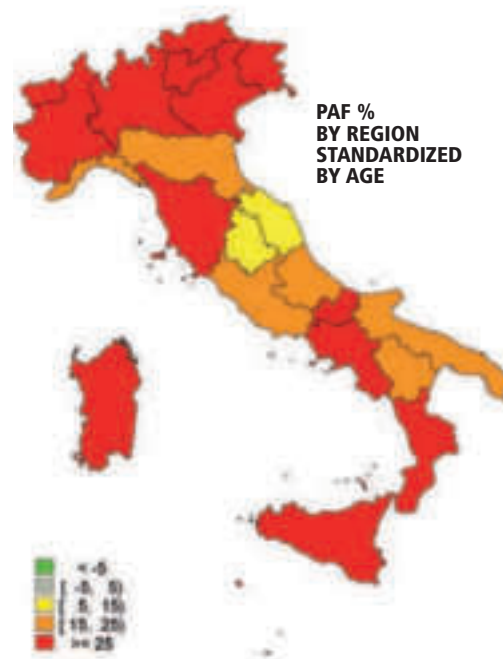
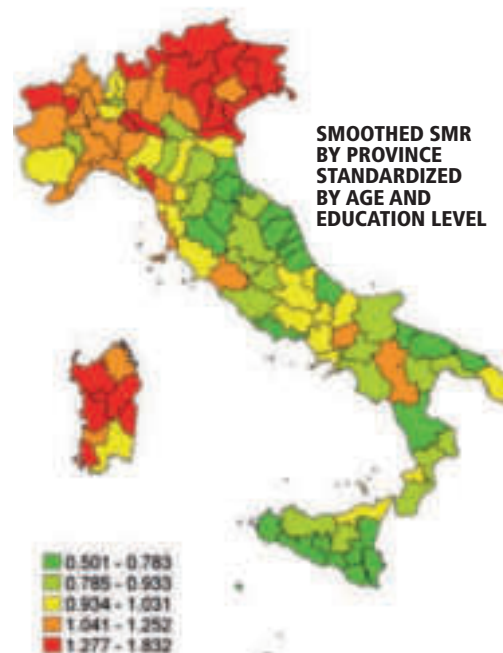
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	178	818 021	1.8 (1.5-2.1)	1	55
	Medium	295	1 580 984	2.4 (2.1-2.7)	1.33 (1.09-1.62)	90
	Low	655	2 065 138	2.9 (2.7-3.1)	1.63 (1.37-1.94)	129
Valle d'Aosta	High	4	23 025	2.2 (0.8-6.3)	1	138
	Medium	13	43 054	3.6 (2.1-6.3)	1.64 (0.50-5.37)	160
	Low	28	63 600	4.2 (2.9-6.2)	1.92 (0.63-5.83)	153
Lombardia	High	330	1 923 344	1.6 (1.4-1.8)	1	51
	Medium	515	3 478 639	2.1 (1.9-2.3)	1.34 (1.16-1.55)	82
	Low	1 395	4 387 573	3.2 (3.0-3.4)	2.04 (1.80-2.31)	128
Bolzano	High	15	86 156	1.3 (0.8-2.2)	1	40
	Medium	37	187 921	3.4 (2.4-4.7)	2.60 (1.40-4.85)	116
	Low	78	208 018	3.9 (3.1-4.9)	3.00 (1.70-5.30)	177
Trento	High	27	101 157	2.3 (1.6-3.4)	1	60
	Medium	40	210 020	3.0 (2.2-4.2)	1.30 (0.78-2.17)	120
	Low	95	202 879	4.3 (3.5-5.3)	1.85 (1.19-2.90)	163
Veneto	High	170	840 505	1.8 (1.6-2.2)	1	56
	Medium	279	1 783 406	2.5 (2.2-2.8)	1.35 (1.10-1.66)	93
	Low	981	2 275 576	4.1 (3.8-4.4)	2.22 (1.87-2.64)	162
Friuli Venezia Giulia	High	69	256 926	2.1 (1.6-2.7)	1	68
	Medium	124	518 112	2.9 (2.5-3.5)	1.42 (1.04-1.93)	134
	Low	226	482 532	4.3 (3.8-4.9)	2.09 (1.57-2.77)	172
Liguria	High	92	359 649	2.1 (1.6-2.6)	1	90
	Medium	113	602 274	2.2 (1.8-2.7)	1.07 (0.80-1.43)	81
	Low	224	644 480	3.1 (2.7-3.6)	1.52 (1.17-1.97)	151
Emilia-Romagna	High	153	864 484	1.7 (1.4-2.0)	1	58
	Medium	193	1 582 791	1.8 (1.5-2.0)	1.06 (0.85-1.33)	71
	Low	515	1 982 289	2.2 (2.0-2.5)	1.35 (1.12-1.64)	94
Toscana	High	132	710 841	1.5 (1.3-1.8)	1	49
	Medium	183	1 249 632	2.0 (1.8-2.4)	1.33 (1.05-1.68)	71
	Low	514	1 772 636	2.5 (2.3-2.7)	1.63 (1.34-2.00)	103
Umbria	High	34	180 175	1.7 (1.2-2.5)	1	53
	Medium	36	342 532	1.8 (1.3-2.6)	1.05 (0.64-1.75)	50
	Low	102	360 932	2.2 (1.8-2.7)	1.27 (0.83-1.93)	96
Marche	High	45	287 273	1.4 (1.1-2.0)	1	45
	Medium	45	538 873	1.4 (1.0-1.9)	0.99 (0.63-1.53)	43
	Low	161	720 635	1.8 (1.5-2.1)	1.26 (0.89-1.79)	69
Lazio	High	222	1 358 451	1.5 (1.3-1.7)	1	45
	Medium	258	2 073 918	1.9 (1.6-2.1)	1.27 (1.05-1.53)	70
	Low	482	1 968 190	2.3 (2.1-2.6)	1.58 (1.34-1.87)	101
Abruzzo	High	43	254 990	1.6 (1.2-2.2)	1	42
	Medium	45	468 140	1.5 (1.1-2.1)	0.92 (0.59-1.45)	59
	Low	164	578 741	2.4 (2.0-2.8)	1.48 (1.03-2.11)	116
Molise	High	6	56 815	0.9 (0.4-2.1)	1	44
	Medium	16	103 063	2.5 (1.4-4.4)	2.69 (0.97-7.44)	106
	Low	50	152 945	3.0 (2.3-4.0)	3.29 (1.34-8.05)	160
Campania	High	110	909 229	1.3 (1.1-1.6)	1	37
	Medium	233	1 717 812	2.1 (1.8-2.4)	1.60 (1.26-2.04)	72
	Low	671	2 609 431	2.8 (2.6-3.0)	2.16 (1.75-2.67)	131
Puglia	High	86	614 254	1.4 (1.1-1.8)	1	51
	Medium	104	1 149 011	1.5 (1.2-1.9)	1.07 (0.79-1.46)	48
	Low	466	2 086 918	2.1 (2.0-2.4)	1.53 (1.20-1.95)	99
Basilicata	High	16	91 178	2.0 (1.2-3.4)	1	93
	Medium	17	183 319	1.8 (1.1-3.1)	0.91 (0.43-1.90)	58
	Low	116	291 033	3.4 (2.8-4.1)	1.69 (0.97-2.92)	160
Calabria	High	39	325 325	1.3 (0.9-1.8)	1	40
	Medium	54	593 842	1.5 (1.1-2.0)	1.17 (0.75-1.83)	56
	Low	249	936 916	2.4 (2.1-2.8)	1.90 (1.33-2.72)	114
Sicilia	High	102	767 785	1.3 (1.0-1.5)	1	44
	Medium	138	1 434 675	1.5 (1.2-1.8)	1.16 (0.88-1.52)	54
	Low	547	2 454 220	2.2 (2.0-2.4)	1.74 (1.40-2.17)	98
Sardegna	High	50	247 778	1.8 (1.3-2.4)	1	61
	Medium	81	484 814	2.2 (1.7-2.7)	1.21 (0.82-1.78)	96
	Low	358	945 577	3.9 (3.5-4.4)	2.19 (1.59-3.01)	207
Italia	High	1 923	11 077 356	1.6 (1.5-1.7)	1	52
	Medium	2 819	20 326 825	2.0 (1.9-2.1)	1.28 (1.20-1.36)	76
	Low	8 077	27 190 254	2.8 (2.8-2.9)	1.79 (1.70-1.88)	123



## UOMINI

### MEN

ETÀ 30-89  
AGE 30-89



# TUMORI MALIGNI DELLE VIE AEREE E DIGESTIVE SUPERIORI

## MALIGNANT NEOPLASMS OF UPPER RESPIRATORY AND DIGESTIVE TRACT



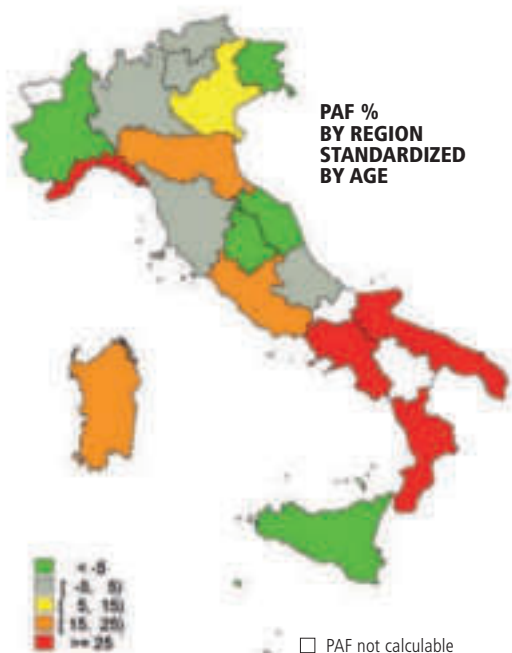
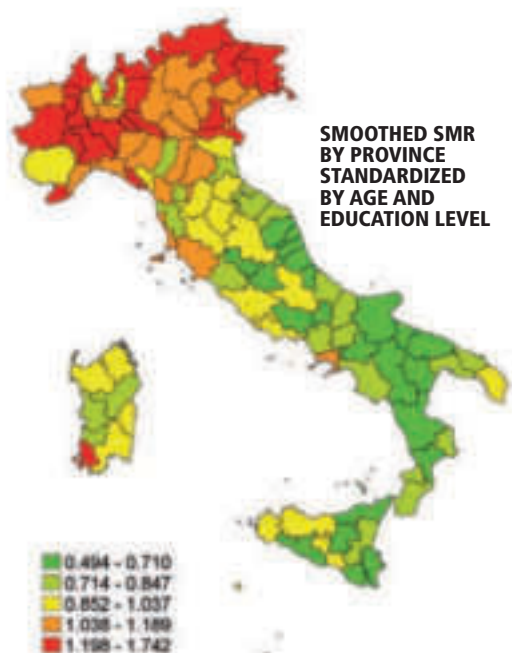
**SMR.** Excess mortality is greater among **MEN** (28% at the 80<sup>th</sup> centile) than among **WOMEN** (20% at the 80<sup>th</sup> centile). Excesses are concentrated in the Northern regions and in Sardegna.

**PAF. MEN:** the values are above 15% throughout the Country (except Umbria and Marche), and above 25% in over half of the regions.  
**WOMEN:** the picture is extremely heterogenous, presumably influenced by the limited number of events registered in some regions.



### DONNE WOMEN

**ETÀ 30-89  
AGE 30-89**



2012-2014							
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS	
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000	
Piemonte	High	58	836 082	0.7 (0.5-0.9)	1		26
	Medium	80	1 676 727	0.6 (0.5-0.7)	0.86 (0.61-1.22)		24
	Low	246	2 414 836	0.7 (0.6-0.8)	0.95 (0.71-1.28)		26
Valle d'Aosta	High	0	24 747	0.0	1		
	Medium	3	47 069	0.8 (0.3-2.6)			26
	Low	6	67 283	0.7 (0.3-1.7)			38
Lombardia	High	113	1 989 400	0.6 (0.5-0.7)	1		19
	Medium	151	3 710 635	0.6 (0.5-0.7)	0.92 (0.72-1.18)		21
	Low	462	4 972 897	0.6 (0.6-0.7)	1.03 (0.83-1.27)		23
Bolzano	High	8	89 740	0.9 (0.4-1.8)	1		24
	Medium	13	199 428	1.0 (0.6-1.8)	1.15 (0.47-2.85)		39
	Low	17	223 412	0.7 (0.4-1.2)	0.78 (0.32-1.91)		46
Trento	High	5	103 543	0.6 (0.2-1.4)	1		17
	Medium	14	225 643	0.8 (0.5-1.4)	1.41 (0.48-4.07)		40
	Low	16	225 141	0.4 (0.2-0.6)	0.64 (0.22-1.85)		8
Veneto	High	40	833 402	0.6 (0.4-0.8)	1		16
	Medium	38	1 680 237	0.4 (0.3-0.6)	0.73 (0.46-1.16)		12
	Low	307	2 777 381	0.7 (0.6-0.8)	1.28 (0.91-1.80)		26
Friuli Venezia Giulia	High	23	263 149	0.9 (0.6-1.4)	1		22
	Medium	29	503 326	0.7 (0.5-0.9)	0.72 (0.41-1.25)		34
	Low	78	612 209	0.8 (0.6-1.0)	0.84 (0.51-1.38)		31
Liguria	High	22	405 013	0.4 (0.3-0.7)	1		14
	Medium	40	661 034	0.7 (0.5-0.9)	1.56 (0.91-2.66)		16
	Low	82	786 175	0.6 (0.5-0.8)	1.39 (0.84-2.31)		26
Emilia-Romagna	High	38	982 490	0.4 (0.3-0.6)	1		14
	Medium	54	1 657 944	0.5 (0.4-0.6)	1.20 (0.78-1.86)		20
	Low	183	2 237 787	0.5 (0.4-0.6)	1.30 (0.90-1.88)		22
Toscana	High	37	804 123	0.5 (0.3-0.7)	1		19
	Medium	38	1 314 238	0.5 (0.3-0.7)	0.97 (0.61-1.56)		16
	Low	177	2 057 570	0.5 (0.4-0.6)	1.07 (0.74-1.54)		19
Umbria	High	12	205 592	0.6 (0.4-1.1)	1		30
	Medium	5	325 316	0.4 (0.2-0.9)	0.62 (0.21-1.78)		2
	Low	37	460 587	0.5 (0.4-0.7)	0.81 (0.41-1.62)		21
Marche	High	11	323 451	0.4 (0.2-0.7)	1		16
	Medium	14	519 041	0.4 (0.2-0.7)	1.04 (0.46-2.36)		20
	Low	45	856 620	0.3 (0.2-0.4)	0.77 (0.39-1.52)		9
Lazio	High	60	1 522 088	0.4 (0.3-0.5)	1		12
	Medium	75	2 177 071	0.5 (0.4-0.6)	1.32 (0.93-1.88)		20
	Low	161	2 438 459	0.5 (0.4-0.5)	1.18 (0.87-1.60)		21
Abruzzo	High	9	286 014	0.4 (0.2-0.7)	1		9
	Medium	8	435 854	0.3 (0.1-0.6)	0.77 (0.27-2.23)		13
	Low	42	705 762	0.4 (0.3-0.5)	1.06 (0.50-2.25)		16
Molise	High	0	63 987	0.0			
	Medium	1	93 174	0.1 (0.0-0.6)			8
	Low	13	182 398	0.6 (0.3-1.0)			40
Campania	High	29	960 276	0.3 (0.2-0.5)	1		12
	Medium	42	1 599 876	0.5 (0.3-0.7)	1.38 (0.83-2.28)		16
	Low	201	3 283 605	0.5 (0.4-0.6)	1.48 (0.99-2.21)		23
Puglia	High	14	646 788	0.3 (0.2-0.5)	1		14
	Medium	30	1 066 681	0.6 (0.4-0.8)	1.93 (0.99-3.76)		18
	Low	130	2 564 345	0.4 (0.3-0.5)	1.36 (0.77-2.41)		18
Basilicata	High	0	99 340	0.0			
	Medium	4	170 598	0.4 (0.1-1.6)			13
	Low	13	343 548	0.2 (0.1-0.4)			6
Calabria	High	6	366 406	0.2 (0.1-0.4)	1		7
	Medium	7	542 152	0.3 (0.1-0.6)	1.41 (0.42-4.74)		9
	Low	66	1 124 577	0.4 (0.3-0.5)	2.06 (0.84-5.05)		15
Sicilia	High	35	839 323	0.4 (0.3-0.6)	1		15
	Medium	34	1 416 022	0.4 (0.2-0.5)	0.84 (0.51-1.39)		17
	Low	153	2 963 827	0.4 (0.3-0.5)	0.91 (0.62-1.34)		18
Sardegna	High	11	317 889	0.4 (0.2-0.7)	1		13
	Medium	13	506 958	0.3 (0.2-0.5)	0.75 (0.33-1.75)		19
	Low	70	991 152	0.6 (0.5-0.8)	1.53 (0.78-2.99)		35
Italia	High	531	11 962 838	0.5 (0.4-0.5)	1		16
	Medium	693	20 529 020	0.5 (0.5-0.6)	1.08 (0.96-1.21)		19
	Low	2 505	32 289 567	0.5 (0.5-0.6)	1.12 (1.01-1.23)		22



# MALATTIE DEL SISTEMA RESPIRATORIO

## DISEASES OF THE RESPIRATORY SYSTEM

**SMR.** L'entità degli eccessi di mortalità (all'80° centile) è del del 7% tra gli uomini e del 5% tra le donne. **UOMINI:** eccessi di mortalità si osservano in Piemonte, Sicilia, Salento e nella provincia di Carbonia-Iglesias. **DONNE:** si osservano cluster soprattutto nelle aree metropolitane (Torino, Milano, Bologna, Firenze, Roma, Napoli, Palermo).

**PAF. UOMINI:** i valori sono sempre sopra al 15% e superiori al 25% in oltre metà delle regioni; **DONNE:** un più basso livello di istruzione si associa a rischi attribuibili inferiori al 15% nella maggior parte delle regioni, solo in Molise, Basilicata e a Bolzano i valori superano il 25%.

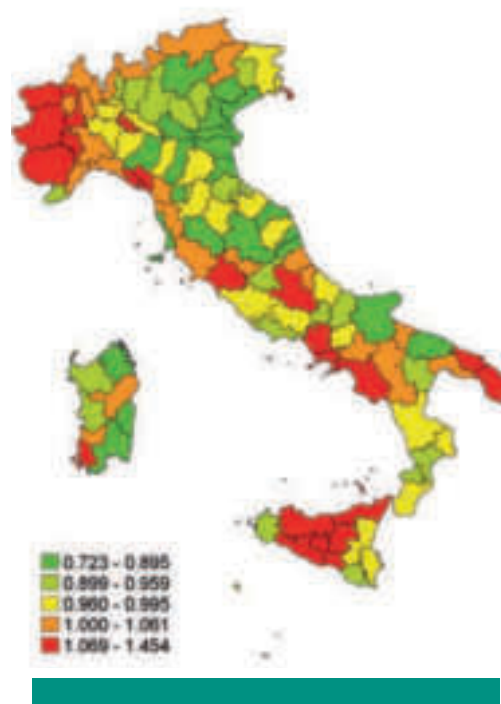
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	628	818 021	7.5 (7.0-8.2)	1	92
	Medium	934	1 580 984	10.0 (9.3-10.7)	1.32 (1.19-1.47)	120
	Low	3 209	2 065 138	12.4 (11.9-12.8)	1.64 (1.50-1.79)	179
Valle d'Aosta	High	13	23 025	5.9 (3.4-10.5)	1	132
	Medium	18	43 054	8.3 (5.0-13.5)	1.39 (0.65-2.95)	108
	Low	112	63 600	15.7 (13.1-19.0)	2.65 (1.46-4.82)	145
Lombardia	High	1 205	1 923 344	6.6 (6.3-7.0)	1	80
	Medium	1 503	3 478 639	8.5 (8.0-8.9)	1.27 (1.18-1.37)	110
	Low	4 912	4 387 573	10.7 (10.4-11.0)	1.61 (1.51-1.72)	150
Bolzano	High	63	86 156	7.3 (5.6-9.3)	1	68
	Medium	63	187 921	8.1 (6.3-10.5)	1.12 (0.78-1.60)	90
	Low	280	208 018	12.3 (11.0-13.9)	1.70 (1.29-2.25)	181
Trento	High	50	101 157	5.6 (4.2-7.4)	1	56
	Medium	58	210 020	6.4 (4.9-8.3)	1.14 (0.77-1.68)	80
	Low	233	202 879	9.2 (8.1-10.5)	1.66 (1.21-2.26)	110
Veneto	High	442	840 505	6.1 (5.5-6.7)	1	76
	Medium	497	1 783 406	6.8 (6.2-7.4)	1.11 (0.97-1.27)	85
	Low	2 613	2 275 576	9.8 (9.5-10.2)	1.61 (1.45-1.79)	124
Friuli Venezia Giulia	High	202	256 926	7.6 (6.6-8.7)	1	82
	Medium	288	518 112	9.6 (8.5-10.8)	1.26 (1.05-1.52)	108
	Low	668	482 532	11.0 (10.2-11.8)	1.45 (1.23-1.70)	155
Liguria	High	307	359 649	6.5 (5.8-7.3)	1	74
	Medium	427	602 274	9.5 (8.7-10.5)	1.46 (1.26-1.69)	114
	Low	1 082	644 480	11.6 (10.9-12.3)	1.77 (1.56-2.02)	171
Emilia-Romagna	High	523	864 484	6.9 (6.3-7.5)	1	79
	Medium	598	1 582 791	7.6 (7.0-8.3)	1.11 (0.98-1.25)	98
	Low	2 854	1 982 289	9.8 (9.5-10.2)	1.43 (1.30-1.57)	137
Toscana	High	482	710 841	6.9 (6.3-7.6)	1	85
	Medium	560	1 249 632	8.0 (7.4-8.8)	1.16 (1.02-1.31)	93
	Low	2 641	1 772 636	10.6 (10.2-11.0)	1.52 (1.38-1.68)	146
Umbria	High	108	180 175	6.6 (5.5-8.1)	1	81
	Medium	130	342 532	8.2 (6.9-9.8)	1.24 (0.95-1.61)	109
	Low	629	360 932	9.9 (9.1-10.7)	1.49 (1.21-1.84)	153
Marche	High	154	287 273	6.2 (5.3-7.3)	1	66
	Medium	204	538 873	8.5 (7.4-9.8)	1.37 (1.10-1.69)	97
	Low	1 089	720 635	9.6 (9.0-10.2)	1.54 (1.30-1.83)	139
Lazio	High	920	1 358 451	6.9 (6.5-7.4)	1	88
	Medium	863	2 073 918	8.3 (7.7-8.9)	1.20 (1.09-1.32)	121
	Low	2 558	1 968 190	10.9 (10.4-11.3)	1.57 (1.45-1.70)	178
Abruzzo	High	127	254 990	5.9 (4.9-7.0)	1	86
	Medium	187	468 140	9.6 (8.2-11.1)	1.63 (1.29-2.06)	132
	Low	1 016	578 741	11.6 (10.9-12.3)	1.97 (1.63-2.38)	201
Molise	High	21	56 815	4.3 (2.8-6.8)	1	56
	Medium	33	103 063	8.2 (5.7-11.8)	1.88 (1.05-3.38)	132
	Low	234	152 945	10.0 (8.7-11.4)	2.30 (1.43-3.69)	180
Campania	High	518	909 229	6.8 (6.2-7.5)	1	104
	Medium	810	1 717 812	9.9 (9.2-10.7)	1.45 (1.29-1.63)	158
	Low	3 195	2 609 431	13.3 (12.9-13.8)	1.95 (1.77-2.15)	236
Puglia	High	326	614 254	6.5 (5.8-7.2)	1	94
	Medium	389	1 149 011	7.4 (6.7-8.2)	1.15 (0.99-1.34)	106
	Low	2 604	2 086 918	11.0 (10.6-11.4)	1.70 (1.51-1.92)	155
Basilicata	High	49	91 178	7.2 (5.4-9.6)	1	114
	Medium	68	183 319	11.3 (8.7-14.6)	1.57 (1.06-2.31)	128
	Low	470	291 033	10.8 (9.8-11.8)	1.50 (1.10-2.03)	160
Calabria	High	166	325 325	6.4 (5.5-7.5)	1	102
	Medium	188	593 842	7.8 (6.6-9.1)	1.21 (0.97-1.51)	117
	Low	1 292	936 916	10.6 (10.0-11.2)	1.65 (1.39-1.95)	167
Sicilia	High	540	767 785	7.7 (7.1-8.4)	1	107
	Medium	620	1 434 675	9.1 (8.4-9.9)	1.18 (1.05-1.33)	135
	Low	3 323	2 454 220	11.8 (11.4-12.2)	1.53 (1.39-1.68)	196
Sardegna	High	122	247 778	6.4 (5.3-7.7)	1	88
	Medium	189	484 814	8.3 (7.1-9.6)	1.30 (1.02-1.65)	106
	Low	1 001	945 577	10.2 (9.6-10.9)	1.60 (1.32-1.95)	168
Italia	High	6 966	11 077 356	6.8 (6.7-7.0)	1	87
	Medium	8 627	20 326 825	8.6 (8.4-8.7)	1.26 (1.22-1.30)	114
	Low	36 015	27 190 254	11.0 (10.9-11.1)	1.61 (1.57-1.66)	165



### UOMINI MEN

ETÀ 30-89  
AGE 30-89



## MALATTIE DEL SISTEMA RESPIRATORIO DISEASES OF THE RESPIRATORY SYSTEM



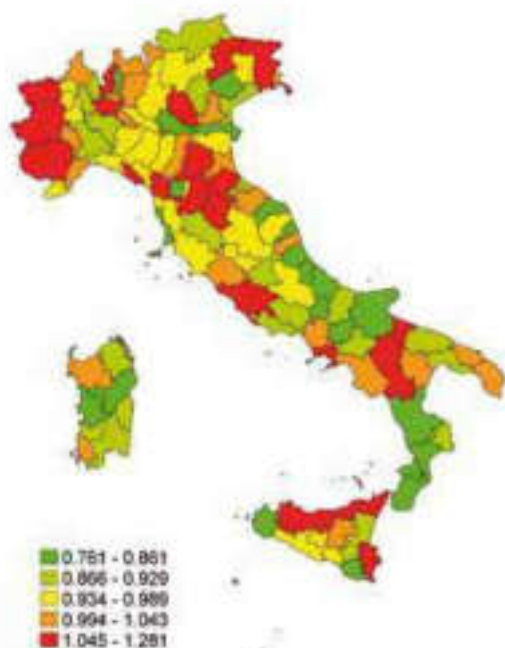
**SMR.** For diseases of the respiratory system, excess mortality (at the 80<sup>th</sup> centile) is 5% in women and 7% in men. **MEN:** excess mortality is seen in Piemonte, Sicilia, Salento and the province of Carbonia-Iglesias (Sardegna). **WOMEN:** clusters are seen especially in the metropolitan areas of Torino, Milano, Bologna, Firenze, Roma, Napoli and Palermo.

**PAF. MEN:** the PAF is above 15%, and above 25% in over half of the regions. **WOMEN:** low education level is associated with attributable risk below 15% in most regions (values exceed 25% only in Molise, Basilicata and Bolzano).



### DONNE WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	296	836 082	3.9 (3.4-4.3)	1		48	
	Medium	539	1 676 727	4.6 (4.2-5.0)	1.18 (1.02-1.36)		57	
	Low	2 414	2 414 836	4.7 (4.5-4.9)	1.22 (1.08-1.38)		73	
Valle d'Aosta	High	10	24 747	5.1 (2.7-9.6)	1		55	
	Medium	13	47 069	3.9 (2.3-6.8)	0.77 (0.33-1.77)		63	
	Low	69	67 283	4.7 (3.7-6.0)	0.91 (0.46-1.80)		50	
Lombardia	High	599	1 989 400	3.5 (3.2-3.7)	1		41	
	Medium	957	3 710 635	4.0 (3.7-4.2)	1.15 (1.03-1.27)		48	
	Low	4 023	4 972 897	4.1 (4.0-4.3)	1.20 (1.10-1.31)		61	
Bolzano	High	23	89 740	2.7 (1.8-4.0)	1		66	
	Medium	44	199 428	4.0 (3.0-5.4)	1.52 (0.91-2.54)		52	
	Low	155	223 412	3.8 (3.2-4.5)	1.43 (0.92-2.25)		82	
Trento	High	33	103 543	3.6 (2.6-5.1)	1		35	
	Medium	49	225 643	3.2 (2.4-4.3)	0.90 (0.57-1.40)		28	
	Low	209	225 141	3.9 (3.3-4.5)	1.07 (0.73-1.55)		40	
Veneto	High	196	833 402	2.9 (2.6-3.4)	1		36	
	Medium	243	1 680 237	3.3 (2.9-3.7)	1.11 (0.92-1.35)		42	
	Low	2 250	2 777 381	4.0 (3.8-4.2)	1.35 (1.16-1.57)		55	
Friuli Venezia Giulia	High	101	263 149	4.0 (3.3-4.9)	1		47	
	Medium	169	503 326	4.5 (3.9-5.2)	1.12 (0.87-1.43)		55	
	Low	705	612 209	5.0 (4.6-5.4)	1.23 (0.99-1.52)		70	
Liguria	High	188	405 013	3.7 (3.2-4.2)	1		36	
	Medium	224	661 034	3.7 (3.3-4.2)	1.02 (0.84-1.24)		50	
	Low	841	786 175	4.4 (4.1-4.8)	1.21 (1.03-1.43)		78	
Emilia-Romagna	High	309	982 490	3.8 (3.4-4.3)	1		43	
	Medium	325	1 657 944	3.9 (3.5-4.4)	1.03 (0.88-1.20)		51	
	Low	2 313	2 237 787	4.3 (4.1-4.5)	1.14 (1.01-1.28)		66	
Toscana	High	269	804 123	3.8 (3.4-4.3)	1		42	
	Medium	276	1 314 238	4.3 (3.8-4.8)	1.12 (0.95-1.33)		57	
	Low	2 013	2 057 570	4.2 (4.0-4.4)	1.11 (0.97-1.26)		62	
Umbria	High	61	205 592	3.7 (2.9-4.8)	1		54	
	Medium	62	325 316	4.4 (3.4-5.7)	1.20 (0.84-1.73)		64	
	Low	459	460 587	3.9 (3.5-4.3)	1.05 (0.79-1.38)		56	
Marche	High	100	323 451	3.8 (3.1-4.7)	1		53	
	Medium	80	519 041	3.7 (2.9-4.6)	0.95 (0.71-1.29)		37	
	Low	765	856 620	3.7 (3.4-4.0)	0.97 (0.78-1.20)		56	
Lazio	High	519	1 522 088	3.6 (3.3-4.0)	1		48	
	Medium	498	2 177 071	4.3 (3.9-4.7)	1.17 (1.03-1.33)		65	
	Low	2 136	2 438 459	4.5 (4.3-4.8)	1.25 (1.13-1.37)		84	
Abruzzo	High	57	286 014	2.6 (2.0-3.4)	1		33	
	Medium	60	435 854	3.5 (2.7-4.6)	1.34 (0.92-1.96)		57	
	Low	585	705 762	3.8 (3.5-4.2)	1.45 (1.10-1.92)		76	
Molise	High	11	63 987	2.5 (1.4-4.6)	1		44	
	Medium	11	93 174	3.5 (1.9-6.4)	1.38 (0.59-3.23)		42	
	Low	148	182 398	3.7 (3.1-4.4)	1.47 (0.79-2.73)		71	
Campania	High	285	960 276	3.8 (3.3-4.2)	1		60	
	Medium	312	1 599 876	4.6 (4.1-5.1)	1.22 (1.04-1.44)		82	
	Low	2 229	3 283 605	4.8 (4.6-5.0)	1.28 (1.13-1.45)		97	
Puglia	High	148	646 788	3.3 (2.8-3.8)	1		39	
	Medium	153	1 066 681	3.6 (3.1-4.3)	1.11 (0.88-1.40)		49	
	Low	1676	2 564 345	4.0 (3.8-4.2)	1.21 (1.02-1.44)		58	
Basilicata	High	19	99 340	3.4 (2.1-5.3)	1		41	
	Medium	25	170 598	5.5 (3.6-8.3)	1.62 (0.88-3.01)		48	
	Low	324	343 548	4.6 (4.1-5.2)	1.38 (0.86-2.21)		74	
Calabria	High	79	366 406	2.9 (2.3-3.7)	1		41	
	Medium	64	542 152	3.3 (2.6-4.4)	1.14 (0.81-1.62)		62	
	Low	677	1 124 577	3.3 (3.1-3.6)	1.14 (0.90-1.45)		61	
Sicilia	High	256	839 323	3.4 (3.0-3.9)	1		56	
	Medium	271	1 416 022	4.0 (3.6-4.6)	1.18 (0.99-1.41)		72	
	Low	2 067	2 963 827	4.4 (4.2-4.6)	1.28 (1.12-1.46)		81	
Sardegna	High	73	317 889	3.3 (2.6-4.1)	1		43	
	Medium	81	506 958	3.5 (2.8-4.3)	1.06 (0.76-1.46)		56	
	Low	659	991 152	3.9 (3.6-4.3)	1.20 (0.94-1.54)		68	
Italia	High	3 632	11 962 838	3.5 (3.4-3.7)	1		46	
	Medium	4 456	20 529 020	4.0 (3.9-4.2)	1.14 (1.09-1.19)		55	
	Low	26 717	32 289 567	4.3 (4.2-4.3)	1.20 (1.16-1.24)		70	



# MALATTIE CRONICHE DELLE BASSE VIE RESPIRATORIE

## CHRONIC LOWER RESPIRATORY DISEASES

**SMR.** Le malattie croniche delle basse vie respiratorie mostrano eccessi di mortalità maggiori rispetto al complesso delle malattie respiratorie (del 12% nelle donne e del 10% negli uomini, all'80° centile). **UOMINI:** eccessi di mortalità si registrano in Campania, Basilicata, Puglia, Sicilia, Piemonte, riviera ligure di levante e province Nord-occidentali della Toscana (Massa-Carrara, Lucca) e a Carbonia-Iglesias. **DONNE:** si osservano cluster soprattutto in Campania, Basilicata, Salerno, parte Sicilia e in alcune aree metropolitane (Torino, Bologna, Roma, Napoli, Palermo).

**PAF. UOMINI:** i rischi attribuibili alla più bassa istruzione superano il 25% in tutte le regioni. **DONNE:** un più basso livello di istruzione si associa a rischi attribuibili superiori al 15% per lo più nelle regioni centro-meridionali, con valori superiori al 25% in Campania, Basilicata, Molise, Abruzzo.

2012-2014

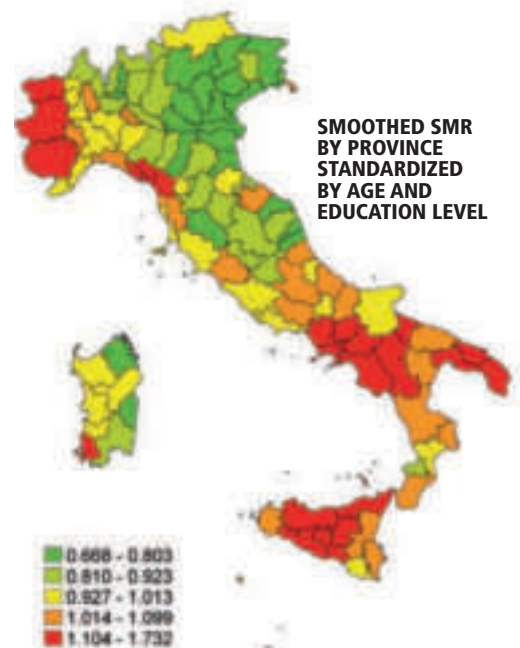
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	282	818 021	3.4 (3.0-3.8)	1	40
	Medium	478	1 580 984	5.1 (4.7-5.6)	1.50 (1.29-1.75)	58
	Low	1 793	2 065 138	6.9 (6.5-7.2)	2.02 (1.77-2.29)	88
Valle d'Aosta	High	5	23 025	2.1 (0.8-5.1)	1	24
	Medium	7	43 054	3.6 (1.6-7.8)	1.73 (0.52-5.76)	32
	Low	64	63 600	8.9 (7.0-11.4)	4.33 (1.69-11.09)	67
Lombardia	High	513	1 923 344	2.9 (2.6-3.1)	1	31
	Medium	705	3 478 639	4.1 (3.8-4.4)	1.41 (1.25-1.58)	46
	Low	2 520	4 387 573	5.5 (5.3-5.7)	1.91 (1.74-2.11)	65
Bolzano	High	33	86 156	3.8 (2.7-5.4)	1	38
	Medium	32	187 921	4.0 (2.8-5.7)	1.06 (0.64-1.75)	49
	Low	152	208 018	6.8 (5.8-8.0)	1.79 (1.22-2.63)	97
Trento	High	21	101 157	2.2 (1.4-3.5)	1	19
	Medium	26	210 020	2.8 (1.9-4.2)	1.26 (0.70-2.27)	41
	Low	123	202 879	4.8 (4.0-5.8)	2.15 (1.34-3.47)	43
Veneto	High	147	840 505	2.1 (1.7-2.4)	1	22
	Medium	207	1 783 406	2.9 (2.5-3.3)	1.40 (1.13-1.75)	32
	Low	1 225	2 275 576	4.6 (4.3-4.8)	2.23 (1.87-2.65)	49
Friuli Venezia Giulia	High	72	256 926	2.7 (2.1-3.4)	1	30
	Medium	131	518 112	4.4 (3.7-5.3)	1.65 (1.23-2.22)	46
	Low	316	482 532	5.1 (4.6-5.7)	1.92 (1.47-2.49)	65
Liguria	High	153	359 649	3.2 (2.8-3.8)	1	36
	Medium	238	602 274	5.3 (4.7-6.0)	1.63 (1.33-2.00)	60
	Low	653	644 480	7.0 (6.4-7.6)	2.15 (1.80-2.57)	98
Emilia-Romagna	High	229	864 484	3.0 (2.6-3.4)	1	32
	Medium	283	1 582 791	3.7 (3.3-4.2)	1.24 (1.03-1.48)	40
	Low	1 537	1 982 289	5.3 (5.0-5.6)	1.75 (1.52-2.02)	68
Toscana	High	216	710 841	3.1 (2.7-3.6)	1	32
	Medium	271	1 249 632	4.0 (3.5-4.5)	1.27 (1.06-1.53)	39
	Low	1 509	1 772 636	6.0 (5.7-6.4)	1.94 (1.68-2.24)	80
Umbria	High	53	180 175	3.2 (2.4-4.3)	1	41
	Medium	69	342 532	4.6 (3.6-5.8)	1.42 (0.98-2.05)	50
	Low	350	360 932	5.3 (4.7-5.9)	1.63 (1.21-2.20)	54
Marche	High	71	287 273	2.9 (2.3-3.7)	1	27
	Medium	107	538 873	4.6 (3.8-5.6)	1.57 (1.16-2.14)	43
	Low	574	720 635	5.0 (4.6-5.5)	1.72 (1.34-2.21)	65
Lazio	High	408	1 358 451	3.1 (2.8-3.4)	1	37
	Medium	427	2 073 918	4.2 (3.8-4.6)	1.36 (1.18-1.56)	55
	Low	1 425	1 968 190	6.1 (5.7-6.4)	1.97 (1.76-2.20)	90
Abruzzo	High	64	254 990	3.0 (2.3-3.8)	1	44
	Medium	108	468 140	5.6 (4.6-6.8)	1.87 (1.36-2.59)	76
	Low	590	578 741	6.6 (6.0-7.1)	2.21 (1.69-2.89)	89
Molise	High	11	56 815	1.9 (1.0-3.6)	1	42
	Medium	19	103 063	5.1 (3.2-8.3)	2.68 (1.20-5.98)	63
	Low	146	152 945	6.0 (5.1-7.1)	3.13 (1.61-6.07)	83
Campania	High	294	909 229	4.0 (3.5-4.5)	1	52
	Medium	527	1 717 812	6.7 (6.1-7.4)	1.70 (1.46-1.97)	91
	Low	2 251	2 609 431	9.4 (9.0-9.8)	2.37 (2.09-2.69)	146
Puglia	High	169	614 254	3.4 (2.9-4.0)	1	41
	Medium	239	1 149 011	4.7 (4.1-5.4)	1.39 (1.13-1.70)	62
	Low	1 806	2 086 918	7.6 (7.2-7.9)	2.23 (1.89-2.62)	85
Basilicata	High	21	91 178	3.2 (2.1-5.0)	1	40
	Medium	38	183 319	6.6 (4.7-9.3)	2.05 (1.18-3.56)	68
	Low	309	291 033	6.9 (6.2-7.7)	2.14 (1.36-3.36)	79
Calabria	High	91	325 325	3.7 (3.0-4.5)	1	45
	Medium	94	593 842	4.0 (3.2-5.0)	1.09 (0.80-1.48)	55
	Low	769	936 916	6.2 (5.8-6.6)	1.69 (1.35-2.11)	72
Sicilia	High	266	767 785	3.9 (3.4-4.4)	1	45
	Medium	347	1 434 675	5.1 (4.6-5.7)	1.32 (1.12-1.56)	73
	Low	2 112	2 454 220	7.4 (7.1-7.7)	1.91 (1.68-2.18)	106
Sardegna	High	59	247 778	3.2 (2.4-4.1)	1	39
	Medium	96	484 814	4.3 (3.5-5.4)	1.37 (0.97-1.92)	46
	Low	583	945 577	5.9 (5.4-6.4)	1.86 (1.41-2.46)	83
Italia	High	3 178	11 077 356	3.1 (3.0-3.2)	1	36
	Medium	4 449	20 326 825	4.5 (4.4-4.6)	1.43 (1.37-1.50)	54
	Low	20 807	27 190 254	6.3 (6.2-6.4)	2.01 (1.94-2.09)	83



### UOMINI

#### MEN

ETÀ 30-89  
AGE 30-89



## MALATTIE CRONICHE DELLE BASSE VIE RESPIRATORIE

### CHRONIC LOWER RESPIRATORY DISEASES



**SMR.** Chronic lower respiratory diseases show excess mortality that is much higher than all respiratory diseases (12% in women and 10% in men at the 80<sup>th</sup> centile). **MEN:** excess mortality has been registered in Campania, Basilicata, Puglia, Sicilia, Piemonte, the Eastern Ligurian Riviera, the North-Western provinces of Toscana (Massa-Carrara, Lucca) and in Carbonia-Iglesias. **WOMEN:** clusters can be seen above all in Campania, Basilicata, Salento, a part of Sicilia and in some metropolitan areas (Torino, Bologna, Roma, Napoli, Palermo).

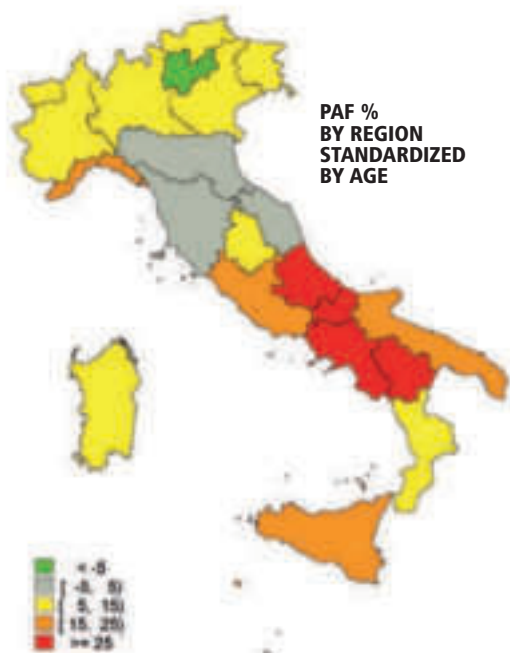
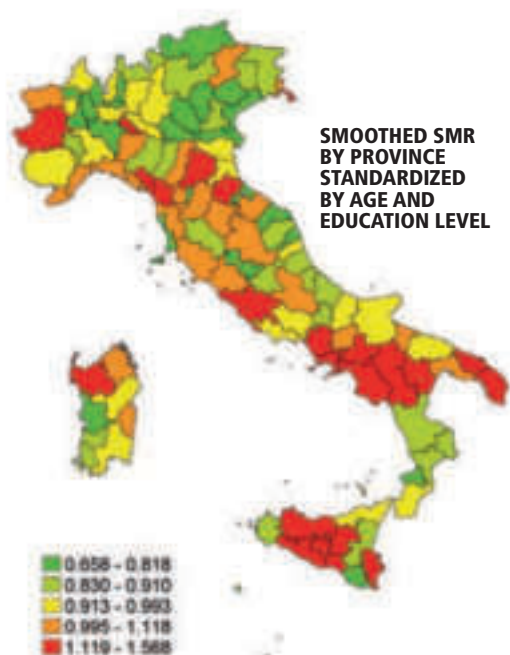
**PAF. MEN:** concerning chronic lower respiratory diseases, the risk attributable to low education level exceeds 25% among in all regions. **WOMEN:** low education level is associated with attributable risk of over 15% for the most part in the Central-Southern regions, with values above 25% in Campania, Basilicata, Molise and Abruzzo.



### DONNE

#### WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	136	836 082	1.8 (1.5-2.1)	1		20	
	Medium	245	1 676 727	2.1 (1.8-2.4)	1.16 (0.94-1.43)		25	
	Low	1 045	2 414 836	2.0 (1.9-2.2)	1.14 (0.95-1.37)		31	
Valle d'Aosta	High	3	24 747	1.6 (0.5-5.1)	1		17	
	Medium	5	47 069	1.5 (0.6-3.7)	0.93 (0.22-3.93)		20	
	Low	35	67 283	2.3 (1.6-3.2)	1.40 (0.43-4.58)		13	
Lombardia	High	258	1 989 400	1.5 (1.3-1.7)	1		17	
	Medium	409	3 710 635	1.7 (1.5-1.9)	1.15 (0.98-1.34)		21	
	Low	1 632	4 972 897	1.7 (1.6-1.8)	1.13 (0.99-1.30)		23	
Bolzano	High	13	89 740	1.4 (0.8-2.5)	1		32	
	Medium	16	199 428	1.5 (0.9-2.5)	1.07 (0.51-2.25)		14	
	Low	63	223 412	1.6 (1.2-2.1)	1.10 (0.59-2.04)		40	
Trento	High	16	103 543	1.8 (1.1-3.0)	1		25	
	Medium	17	225 643	1.1 (0.7-1.8)	0.61 (0.31-1.23)		14	
	Low	81	225 141	1.5 (1.2-2.0)	0.84 (0.48-1.47)		17	
Veneto	High	77	833 402	1.2 (0.9-1.4)	1		14	
	Medium	81	1 680 237	1.1 (0.9-1.4)	0.96 (0.70-1.32)		12	
	Low	836	2 777 381	1.5 (1.4-1.6)	1.28 (1.01-1.62)		18	
Friuli Venezia Giulia	High	39	263 149	1.5 (1.1-2.1)	1		13	
	Medium	66	503 326	1.8 (1.4-2.2)	1.14 (0.77-1.70)		24	
	Low	267	612 209	2.0 (1.7-2.2)	1.26 (0.90-1.78)		33	
Liguria	High	84	405 013	1.7 (1.3-2.1)	1		20	
	Medium	128	661 034	2.1 (1.8-2.5)	1.29 (0.98-1.70)		34	
	Low	385	786 175	2.1 (1.9-2.3)	1.26 (0.99-1.61)		38	
Emilia-Romagna	High	154	982 490	1.9 (1.6-2.2)	1		22	
	Medium	152	1 657 944	1.8 (1.6-2.2)	0.98 (0.78-1.22)		26	
	Low	1 025	2 237 787	2.0 (1.8-2.1)	1.04 (0.88-1.24)		30	
Toscana	High	137	804 123	2.0 (1.7-2.4)	1		23	
	Medium	146	1 314 238	2.3 (1.9-2.7)	1.15 (0.91-1.46)		32	
	Low	913	2 057 570	2.0 (1.9-2.1)	1.00 (0.84-1.21)		35	
Umbria	High	25	205 592	1.5 (1.0-2.3)	1		17	
	Medium	21	325 316	1.6 (1.0-2.5)	1.05 (0.58-1.88)		18	
	Low	220	460 587	1.8 (1.6-2.1)	1.20 (0.79-1.84)		28	
Marche	High	44	323 451	1.7 (1.3-2.3)	1		16	
	Medium	38	519 041	1.8 (1.3-2.4)	1.02 (0.65-1.58)		17	
	Low	323	856 620	1.6 (1.4-1.8)	0.91 (0.66-1.26)		23	
Lazio	High	237	1 522 088	1.7 (1.5-1.9)	1		21	
	Medium	232	2 177 071	2.0 (1.8-2.3)	1.20 (1.00-1.44)		29	
	Low	1 036	2 438 459	2.2 (2.0-2.3)	1.28 (1.11-1.48)		36	
Abruzzo	High	28	286 014	1.3 (0.9-1.9)	1		18	
	Medium	36	435 854	2.2 (1.6-3.1)	1.66 (1.00-2.76)		31	
	Low	266	705 762	1.7 (1.5-1.9)	1.27 (0.85-1.90)		30	
Molise	High	4	63 987	1.0 (0.4-2.6)	1		8	
	Medium	5	93 174	1.5 (0.6-3.7)	1.55 (0.41-5.89)		23	
	Low	75	182 398	1.7 (1.4-2.2)	1.78 (0.65-4.88)		20	
Campania	High	141	960 276	1.9 (1.6-2.2)	1		26	
	Medium	168	1 599 876	2.6 (2.2-3.0)	1.39 (1.10-1.74)		41	
	Low	1 328	3 283 605	2.8 (2.7-3.0)	1.52 (1.27-1.81)		50	
Puglia	High	71	646 788	1.5 (1.2-2.0)	1		20	
	Medium	73	1 066 681	1.8 (1.4-2.3)	1.17 (0.84-1.63)		18	
	Low	867	2 564 345	2.0 (1.9-2.1)	1.29 (1.01-1.65)		21	
Basilicata	High	10	99 340	1.6 (0.9-3.1)	1		25	
	Medium	15	170 598	3.6 (2.1-6.0)	2.16 (0.95-4.90)		20	
	Low	172	343 548	2.4 (2.0-2.8)	1.44 (0.74-2.77)		29	
Calabria	High	34	366 406	1.3 (1.0-1.9)	1		13	
	Medium	33	542 152	1.7 (1.2-2.5)	1.30 (0.79-2.14)		31	
	Low	338	1 124 577	1.6 (1.4-1.8)	1.17 (0.82-1.68)		19	
Sicilia	High	113	839 323	1.5 (1.3-1.8)	1		24	
	Medium	105	1 416 022	1.6 (1.3-1.9)	1.03 (0.78-1.35)		25	
	Low	1 007	2 963 827	2.1 (2.0-2.2)	1.37 (1.13-1.68)		35	
Sardegna	High	34	317 889	1.6 (1.1-2.2)	1		13	
	Medium	30	506 958	1.2 (0.8-1.8)	0.78 (0.47-1.29)		23	
	Low	330	991 152	1.9 (1.7-2.2)	1.23 (0.86-1.77)		32	
Italia	High	1 658	11 962 838	1.6 (1.5-1.7)	1		20	
	Medium	2 021	20 529 020	1.8 (1.8-1.9)	1.14 (1.07-1.21)		25	
	Low	12 244	32 289 567	1.9 (1.9-2.0)	1.20 (1.14-1.26)		30	



# POLMONITE

## PNEUMONIA

**SMR.** La mortalità si concentra esclusivamente al Nord, con eccessi nelle province dell'arco alpino, in quelle dolomitiche e dell'Appennino tosco-emiliano; **UOMINI:** il rischio è particolarmente concentrato in Piemonte e Lombardia.

**PAF.** Non si rilevano pattern di mortalità associabili all'effetto del livello di istruzione; in un quadro alquanto eterogeneo, si osservano rischi attribuibili al basso titolo di studio superiori al 25% a Bolzano (anche in Piemonte, Sardegna e Molise tra le **DONNE** e in Calabria e Valle d'Aosta tra gli **UOMINI**), mentre possedere un basso titolo di studio appare essere protettivo in Basilicata (anche in Liguria e Calabria tra le **DONNE** e in Sicilia e Molise tra gli **UOMINI**).

2012-2014

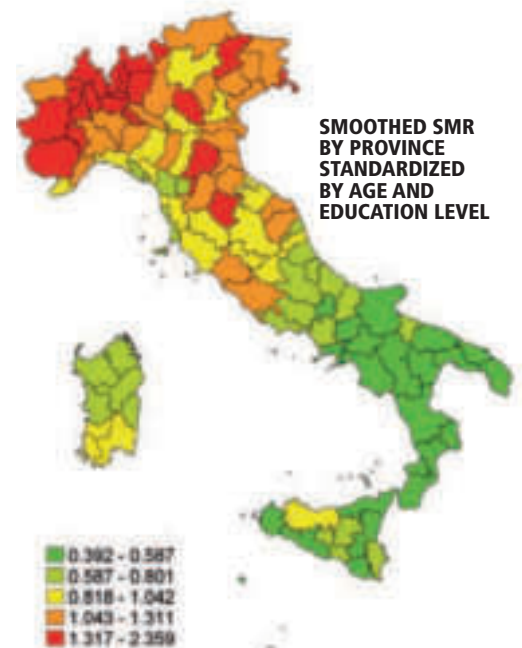
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL RATE x10 000
				RATE x10 000 (95%CI)	MMR (95%CI)			
Piemonte	High	175	818 021	2.1 (1.8-2.5)	1		23	
	Medium	223	1 580 984	2.5 (2.2-2.8)	1.16 (0.94-1.42)		23	
	Low	671	2 065 138	2.6 (2.4-2.8)	1.20 (1.02-1.43)		32	
Valle d'Aosta	High	3	23 025	1.2 (0.4-3.9)	1		23	
	Medium	7	43 054	3.5 (1.6-7.6)	2.89 (0.71-11.83)		32	
	Low	13	63 600	1.9 (1.1-3.3)	1.59 (0.43-5.85)		11	
Lombardia	High	340	1 923 344	1.9 (1.7-2.1)	1		19	
	Medium	376	3 478 639	2.2 (2.0-2.4)	1.15 (0.99-1.33)		23	
	Low	1 149	4 387 573	2.5 (2.4-2.7)	1.32 (1.16-1.49)		34	
Bolzano	High	11	86 156	1.3 (0.7-2.4)	1		9	
	Medium	11	187 921	1.6 (0.9-2.9)	1.21 (0.52-2.84)		12	
	Low	62	208 018	2.7 (2.1-3.4)	2.07 (1.08-3.96)		40	
Trento	High	10	101 157	1.2 (0.6-2.2)	1		10	
	Medium	11	210 020	1.3 (0.7-2.3)	1.06 (0.44-2.51)		12	
	Low	44	202 879	1.7 (1.3-2.3)	1.46 (0.73-2.91)		16	
Veneto	High	124	840 505	1.8 (1.5-2.1)	1		18	
	Medium	113	1 783 406	1.6 (1.4-2.0)	0.93 (0.71-1.21)		16	
	Low	598	2 275 576	2.2 (2.1-2.4)	1.27 (1.04-1.54)		24	
Friuli Venezia Giulia	High	59	256 926	2.4 (1.8-3.1)	1		16	
	Medium	88	518 112	2.9 (2.3-3.6)	1.22 (0.87-1.70)		33	
	Low	162	482 532	2.7 (2.3-3.1)	1.11 (0.82-1.51)		34	
Liguria	High	58	359 649	1.2 (0.9-1.6)	1		13	
	Medium	64	602 274	1.5 (1.1-1.9)	1.19 (0.83-1.71)		16	
	Low	155	644 480	1.7 (1.4-2.0)	1.36 (1.00-1.84)		24	
Emilia-Romagna	High	126	864 484	1.7 (1.4-2.0)	1		18	
	Medium	143	1 582 791	1.9 (1.6-2.2)	1.11 (0.87-1.42)		21	
	Low	626	1 982 289	2.1 (1.9-2.3)	1.25 (1.03-1.52)		23	
Toscana	High	111	710 841	1.7 (1.4-2.0)	1		17	
	Medium	109	1 249 632	1.6 (1.3-1.9)	0.95 (0.73-1.25)		18	
	Low	476	1 772 636	1.9 (1.7-2.0)	1.12 (0.91-1.38)		22	
Umbria	High	24	180 175	1.5 (1.0-2.3)	1		17	
	Medium	20	342 532	1.3 (0.8-2.1)	0.86 (0.47-1.59)		14	
	Low	104	360 932	1.7 (1.4-2.0)	1.09 (0.69-1.72)		28	
Marche	High	40	287 273	1.6 (1.2-2.2)	1		16	
	Medium	40	538 873	1.7 (1.2-2.3)	1.05 (0.67-1.64)		21	
	Low	202	720 635	1.7 (1.5-2.0)	1.10 (0.78-1.56)		26	
Lazio	High	255	1 358 451	1.9 (1.7-2.2)	1		22	
	Medium	167	2 073 918	1.6 (1.4-1.9)	0.84 (0.69-1.03)		22	
	Low	495	1 968 190	2.1 (1.9-2.3)	1.08 (0.92-1.26)		39	
Abruzzo	High	17	254 990	0.8 (0.5-1.4)	1		8	
	Medium	20	468 140	1.2 (0.7-1.8)	1.38 (0.71-2.67)		9	
	Low	104	578 741	1.2 (1.0-1.4)	1.40 (0.83-2.36)		23	
Molise	High	5	56 815	1.3 (0.5-3.2)	1		4	
	Medium	5	103 063	1.2 (0.5-2.9)	0.93 (0.27-3.21)		19	
	Low	25	152 945	1.0 (0.7-1.5)	0.78 (0.30-2.05)		14	
Campania	High	49	909 229	0.6 (0.5-0.9)	1		9	
	Medium	55	1 717 812	0.7 (0.5-0.9)	1.07 (0.71-1.61)		11	
	Low	218	2 609 431	0.9 (0.8-1.0)	1.39 (1.00-1.91)		20	
Puglia	High	42	614 254	0.8 (0.6-1.1)	1		12	
	Medium	41	1 149 011	0.7 (0.5-1.0)	0.90 (0.57-1.41)		14	
	Low	218	2 086 918	0.9 (0.8-1.1)	1.17 (0.83-1.64)		17	
Basilicata	High	9	91 178	1.3 (0.7-2.7)	1		31	
	Medium	7	183 319	1.2 (0.5-2.7)	0.87 (0.30-2.55)		14	
	Low	42	291 033	1.0 (0.7-1.4)	0.74 (0.35-1.58)		15	
Calabria	High	15	325 325	0.6 (0.3-1.0)	1		13	
	Medium	19	593 842	0.8 (0.5-1.3)	1.44 (0.70-2.96)		12	
	Low	104	936 916	0.9 (0.7-1.1)	1.57 (0.89-2.77)		20	
Sicilia	High	80	767 785	1.2 (0.9-1.5)	1		13	
	Medium	66	1 434 675	1.0 (0.8-1.3)	0.89 (0.63-1.24)		11	
	Low	307	2 454 220	1.1 (1.0-1.2)	0.92 (0.72-1.19)		18	
Sardegna	High	25	247 778	1.3 (0.9-2.0)	1		12	
	Medium	40	484 814	1.6 (1.2-2.3)	1.21 (0.71-2.06)		25	
	Low	127	945 577	1.3 (1.1-1.6)	0.98 (0.62-1.53)		28	
Italia	High	1 578	11 077 356	1.6 (1.5-1.7)	1		17	
	Medium	1 625	20 326 825	1.7 (1.6-1.8)	1.06 (0.99-1.14)		19	
	Low	5 902	27 190 254	1.8 (1.7-1.8)	1.14 (1.07-1.20)		26	



## UOMINI

### MEN

ETÀ 30-89  
AGE 30-89





**POLMONITE**  
PNEUMONIA



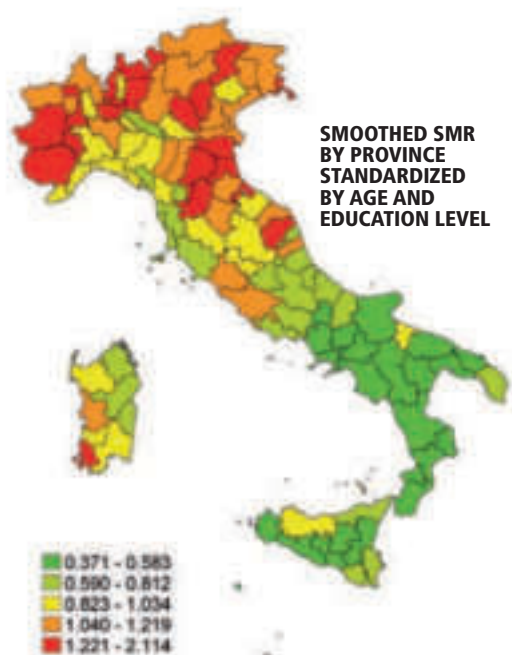
**SMR.** Mortality is concentrated exclusively in the North, with excesses in the provinces in the Alps, the Dolomites and the Tuscan-Emilian Apennines. **MEN:** the risk is concentrated in Piemonte and Lombardia.

**PAF.** No pattern of mortality associated with the effect of education level can be seen. In this very heterogenous picture, risk over 25% attributable to low education can be seen in Bolzano (as well as in Piemonte, Sardegna and Molise among **WOMEN** and in Calabria and Valle d'Aosta among **MEN**). However, low education appears to be protective in Basilicata (as well as in Liguria and Calabria for **WOMEN** and in Sicilia and Molise for **MEN**).

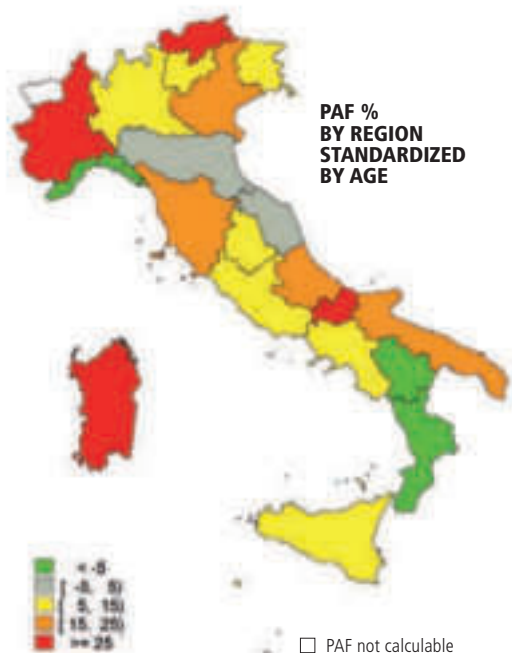


**DONNE**  
WOMEN

**ETÀ 30-89**  
AGE 30-89



**SMOOTHED SMR BY PROVINCE STANDARDIZED BY AGE AND EDUCATION LEVEL**

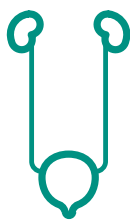


**PAF % BY REGION STANDARDIZED BY AGE**

□ PAF not calculable

2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	65	836 082	0.8 (0.6-1.1)	1		10	
	Medium	138	1 676 727	1.2 (1.0-1.4)	1.42 (1.06-1.92)		11	
Valle d'Aosta	Low	640	2 414 836	1.2 (1.1-1.3)	1.44 (1.11-1.86)		14	
	High	0	24 747	0.0				
Lombardia	Medium	4	47 069	1.2 (0.4-3.3)			22	
	Low	15	67 283	1.2 (0.7-2.0)			29	
Bolzano	High	164	1 989 400	1.0 (0.8-1.1)	1		10	
	Medium	260	3 710 635	1.1 (1.0-1.2)	1.13 (0.93-1.38)		10	
Trento	Low	1 090	4 972 897	1.1 (1.0-1.1)	1.11 (0.94-1.31)		12	
	High	6	89 740	0.7 (0.3-1.7)	1		34	
Veneto	Medium	12	199 428	1.1 (0.6-2.0)	1.53 (0.57-4.11)		12	
	Low	50	223 412	1.2 (0.9-1.6)	1.63 (0.69-3.85)		25	
Friuli Venezia Giulia	High	8	103 543	0.9 (0.4-1.7)	1		5	
	Medium	17	225 643	1.1 (0.7-1.8)	1.30 (0.56-3.03)		7	
Liguria	Low	51	225 141	0.9 (0.7-1.2)	1.09 (0.51-2.31)		7	
	High	54	833 402	0.8 (0.6-1.1)	1		8	
Emilia-Romagna	Medium	71	1 680 237	1.0 (0.8-1.3)	1.26 (0.88-1.80)		8	
	Low	651	2 777 381	1.1 (1.0-1.2)	1.36 (1.03-1.81)		12	
Toscana	High	26	263 149	1.1 (0.7-1.6)	1		12	
	Medium	42	503 326	1.1 (0.8-1.5)	1.06 (0.65-1.74)		10	
Umbria	Low	197	612 209	1.3 (1.1-1.5)	1.20 (0.79-1.82)		13	
	High	46	405 013	0.9 (0.6-1.2)	1		7	
Marche	Medium	35	661 034	0.6 (0.4-0.8)	0.67 (0.43-1.05)		4	
	Low	184	786 175	0.9 (0.8-1.1)	1.08 (0.77-1.51)		16	
Lazio	High	78	982 490	1.0 (0.8-1.3)	1		9	
	Medium	80	1 657 944	1.0 (0.8-1.2)	0.99 (0.72-1.36)		9	
Abruzzo	Low	625	2 237 787	1.1 (1.0-1.2)	1.11 (0.88-1.42)		16	
	High	43	804 123	0.6 (0.5-0.8)	1		3	
Molise	Medium	47	1 314 238	0.8 (0.6-1.0)	1.24 (0.81-1.88)		5	
	Low	457	2 057 570	0.9 (0.8-1.0)	1.46 (1.06-2.00)		9	
Campania	High	13	205 592	0.8 (0.5-1.4)	1		10	
	Medium	17	325 316	1.1 (0.7-1.9)	1.38 (0.66-2.91)		15	
Puglia	Low	92	460 587	0.7 (0.6-0.9)	0.89 (0.49-1.62)		10	
	High	21	323 451	0.8 (0.5-1.3)	1		9	
Basilicata	Medium	17	519 041	0.7 (0.5-1.2)	0.90 (0.47-1.73)		8	
	Low	194	856 620	0.9 (0.8-1.0)	1.08 (0.68-1.71)		12	
Calabria	High	126	1 522 088	0.9 (0.7-1.0)	1		10	
	Medium	126	2 177 071	1.1 (0.9-1.3)	1.23 (0.96-1.58)		14	
Sicilia	Low	452	2 438 459	1.0 (0.9-1.0)	1.09 (0.89-1.33)		17	
	High	9	286 014	0.4 (0.2-0.9)	1		3	
Sardinia	Medium	7	435 854	0.3 (0.1-0.8)	0.77 (0.27-2.22)		7	
	Low	118	705 762	0.8 (0.6-0.9)	1.75 (0.88-3.50)		16	
Trentino	High	2	63 987	0.5 (0.1-2.0)	1		5	
	Medium	2	93 174	0.8 (0.2-3.0)	1.56 (0.22-11.10)			
Lombardia	Low	24	182 398	0.7 (0.4-1.0)	1.34 (0.31-5.80)		15	
	High	30	960 276	0.4 (0.3-0.6)	1		5	
Veneto	Medium	31	1 599 876	0.4 (0.3-0.6)	0.95 (0.56-1.60)		10	
	Low	231	3 283 605	0.5 (0.4-0.6)	1.19 (0.81-1.75)		11	
Friuli Venezia Giulia	High	20	646 788	0.4 (0.3-0.7)	1		5	
	Medium	24	1 066 681	0.6 (0.4-0.9)	1.29 (0.70-2.38)		10	
Liguria	Low	239	2 564 345	0.6 (0.5-0.6)	1.28 (0.80-2.04)		10	
	High	3	99 340	0.5 (0.2-1.7)	1		8	
Emilia-Romagna	Medium	2	170 598	0.3 (0.1-1.8)	0.59 (0.07-4.75)		6	
	Low	37	343 548	0.5 (0.4-0.7)	0.91 (0.28-3.00)		4	
Toscana	High	11	366 406	0.4 (0.2-0.8)	1		6	
	Medium	4	542 152	0.2 (0.1-0.6)	0.51 (0.15-1.74)		4	
Lazio	Low	77	1 124 577	0.4 (0.3-0.5)	0.90 (0.47-1.71)		6	
	High	43	839 323	0.6 (0.4-0.8)	1		7	
Abruzzo	Medium	51	1 416 022	0.8 (0.6-1.1)	1.40 (0.93-2.11)		12	
	Low	291	2 963 827	0.6 (0.6-0.7)	1.07 (0.78-1.49)		14	
Molise	High	10	317 889	0.5 (0.2-0.9)	1		4	
	Medium	16	506 958	0.7 (0.4-1.2)	1.57 (0.70-3.52)		10	
Campania	Low	147	991 152	0.9 (0.8-1.1)	1.96 (1.02-3.76)		18	
	High	778	11 962 838	0.8 (0.7-0.8)	1		8	
Liguria	Medium	1 003	20 529 020	0.9 (0.9-1.0)	1.21 (1.10-1.33)		10	
	Low	5 862	32 289 567	0.9 (0.9-0.9)	1.17 (1.08-1.26)		13	



# MALATTIE DELL'APPARATO GENITOURINARIO

## DISEASES OF THE GENITOURINARY SYSTEM

**SMR.** Gli eccessi di mortalità sono importanti (del 15% nelle donne e del 10% negli uomini all'80° centile). Si segnala un netto gradiente Nord-Sud, con eccessi tra gli **UOMINI** in tutte le regioni meridionali, ma anche nel Lazio e nella Toscana tirrenica, e nella provincia di Oristano, meno rilevanti sul versante adriatico; tra le **DONNE** in tutte le regioni meridionali, Sicilia e Sardegna Nord-occidentale.

**PAF. UOMINI:** i PAF sono generalmente bassi, tranne in Friuli-Venezia Giulia, Trentino-Alto Adige e Valle d'Aosta. **DONNE:** PAF superiori al 25% si osservano al Sud e nelle Isole, in Toscana, Piemonte e Bolzano.

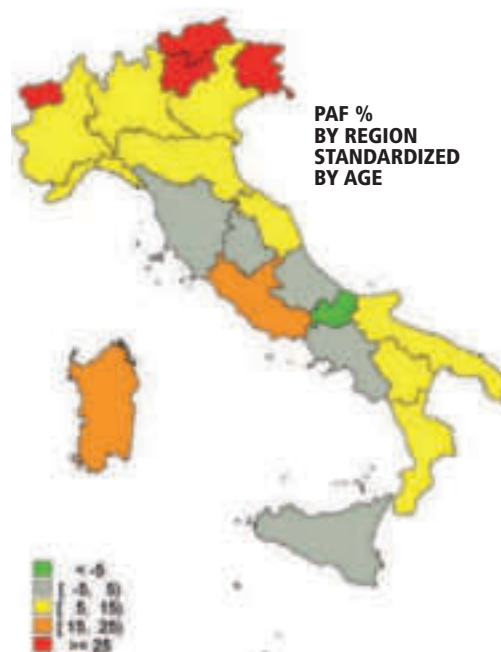
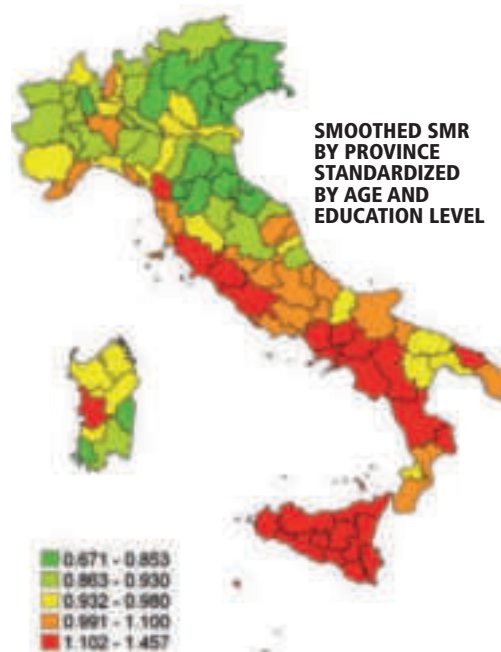
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL RATE x10 000
				RATE x10 000 (95%CI)	MMR (95%CI)			
Piemonte	High	157	818 021	1.9 (1.7-2.3)	1		22	
	Medium	177	1 580 984	1.9 (1.6-2.2)	0.99 (0.79-1.24)		23	
	Low	579	2 065 138	2.2 (2.1-2.4)	1.16 (0.97-1.39)		34	
Valle d'Aosta	High	1	23 025	0.6 (0.1-4.1)	1			
	Medium	4	43 054	2.0 (0.7-5.6)	3.55 (0.39-32.14)		15	
	Low	14	63 600	2.0 (1.2-3.4)	3.51 (0.46-26.71)		23	
Lombardia	High	337	1 923 344	1.9 (1.7-2.1)	1		20	
	Medium	379	3 478 639	2.2 (2.0-2.4)	1.17 (1.01-1.36)		25	
	Low	1 063	4 387 573	2.3 (2.2-2.5)	1.24 (1.10-1.41)		30	
Bolzano	High	15	86 156	1.7 (1.0-2.9)	1		15	
	Medium	20	187 921	2.8 (1.8-4.4)	1.61 (0.82-3.18)		15	
	Low	51	208 018	2.3 (1.7-3.0)	1.30 (0.72-2.33)		24	
Trento	High	8	101 157	0.9 (0.5-1.9)	1		3	
	Medium	12	210 020	1.3 (0.7-2.4)	1.43 (0.58-3.53)		13	
	Low	63	202 879	2.5 (2.0-3.3)	2.71 (1.29-5.69)		37	
Veneto	High	115	840 505	1.6 (1.3-2.0)	1		19	
	Medium	134	1 783 406	1.8 (1.5-2.2)	1.12 (0.86-1.45)		22	
	Low	546	2 275 576	2.1 (1.9-2.3)	1.28 (1.04-1.57)		31	
Friuli Venezia Giulia	High	38	256 926	1.3 (1.0-1.9)	1		21	
	Medium	64	518 112	2.1 (1.6-2.7)	1.56 (1.03-2.36)		24	
	Low	105	482 532	1.8 (1.5-2.2)	1.31 (0.90-1.92)		31	
Liguria	High	97	359 649	2.1 (1.7-2.6)	1		23	
	Medium	92	602 274	2.1 (1.7-2.5)	0.98 (0.73-1.31)		23	
	Low	254	644 480	2.8 (2.4-3.1)	1.32 (1.04-1.67)		50	
Emilia-Romagna	High	131	864 484	1.7 (1.5-2.1)	1		17	
	Medium	135	1 582 791	1.8 (1.5-2.1)	1.01 (0.79-1.29)		20	
	Low	583	1 982 289	2.0 (1.9-2.2)	1.16 (0.96-1.41)		29	
Toscana	High	143	710 841	2.1 (1.8-2.5)	1		22	
	Medium	144	1 249 632	2.1 (1.8-2.5)	0.98 (0.78-1.24)		24	
	Low	572	1 772 636	2.3 (2.1-2.5)	1.09 (0.90-1.31)		34	
Umbria	High	35	180 175	2.2 (1.6-3.1)	1		25	
	Medium	37	342 532	2.2 (1.6-3.1)	1.00 (0.62-1.60)		31	
	Low	135	360 932	2.2 (1.8-2.6)	0.98 (0.67-1.45)		39	
Marche	High	50	287 273	2.1 (1.6-2.7)	1		25	
	Medium	53	538 873	2.3 (1.8-3.1)	1.13 (0.76-1.68)		20	
	Low	248	720 635	2.2 (1.9-2.5)	1.05 (0.77-1.43)		27	
Lazio	High	257	1 358 451	2.0 (1.7-2.2)	1		23	
	Medium	271	2 073 918	2.6 (2.3-2.9)	1.31 (1.10-1.56)		38	
	Low	657	1 968 190	2.8 (2.6-3.0)	1.42 (1.23-1.65)		46	
Abruzzo	High	50	254 990	2.5 (1.9-3.3)	1		32	
	Medium	47	468 140	2.4 (1.8-3.2)	0.97 (0.64-1.46)		33	
	Low	202	578 741	2.3 (2.0-2.7)	0.94 (0.69-1.29)		38	
Molise	High	8	56 815	2.0 (1.0-4.1)	1		17	
	Medium	5	103 063	0.9 (0.3-2.4)	0.45 (0.14-1.46)		24	
	Low	46	152 945	2.1 (1.5-2.8)	1.02 (0.48-2.18)		54	
Campania	High	220	909 229	2.9 (2.5-3.3)	1		43	
	Medium	228	1 717 812	2.6 (2.3-3.0)	0.90 (0.74-1.10)		50	
	Low	754	2 609 431	3.2 (2.9-3.4)	1.09 (0.93-1.27)		69	
Puglia	High	94	614 254	2.0 (1.6-2.4)	1		28	
	Medium	123	1 149 011	2.3 (1.9-2.7)	1.14 (0.87-1.51)		39	
	Low	567	2 086 918	2.4 (2.2-2.6)	1.22 (0.97-1.52)		43	
Basilicata	High	15	91 178	2.4 (1.5-4.1)	1		20	
	Medium	21	183 319	3.4 (2.1-5.5)	1.38 (0.68-2.79)		44	
	Low	105	291 033	2.4 (2.0-3.0)	1.00 (0.57-1.73)		39	
Calabria	High	68	325 325	2.6 (2.1-3.4)	1		37	
	Medium	78	593 842	3.4 (2.6-4.3)	1.27 (0.90-1.80)		47	
	Low	291	936 916	2.5 (2.2-2.8)	0.94 (0.72-1.24)		55	
Sicilia	High	206	767 785	3.1 (2.7-3.5)	1		33	
	Medium	213	1 434 675	3.1 (2.7-3.6)	1.02 (0.84-1.25)		46	
	Low	913	2 454 220	3.3 (3.1-3.5)	1.06 (0.91-1.24)		60	
Sardegna	High	34	247 778	1.8 (1.2-2.5)	1		19	
	Medium	46	484 814	2.1 (1.6-2.9)	1.19 (0.74-1.90)		25	
	Low	227	945 577	2.3 (2.0-2.7)	1.31 (0.90-1.91)		35	
Italia	High	2 079	11 077 356	2.1 (2.0-2.2)	1		24	
	Medium	2 283	20 326 825	2.3 (2.2-2.4)	1.09 (1.03-1.16)		30	
	Low	7 975	27 190 254	2.5 (2.4-2.5)	1.19 (1.13-1.25)		41	

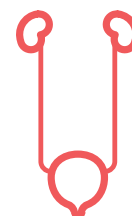


### UOMINI MEN

ETÀ 30-89  
AGE 30-89



## MALATTIE DELL'APPARATO GENITOURINARIO DISEASES OF THE GENITOURINARY SYSTEM



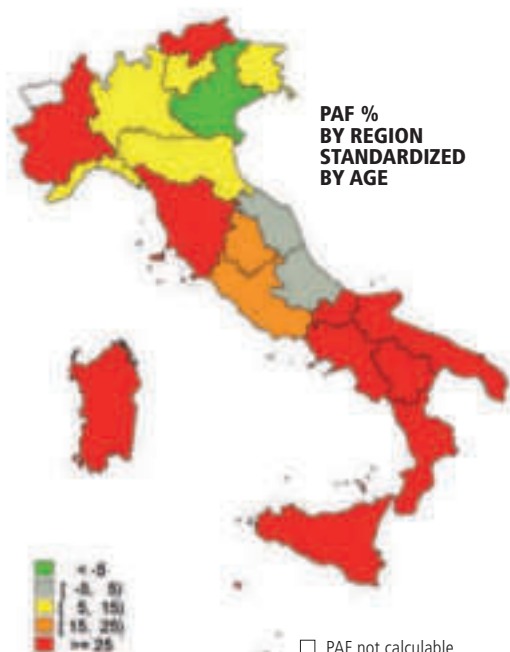
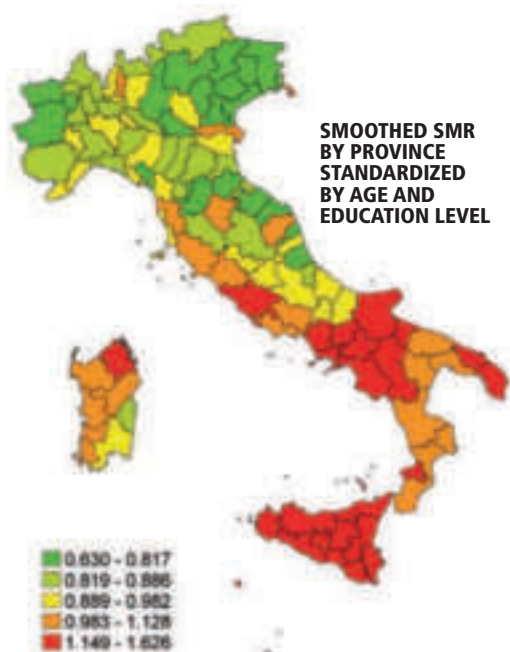
**SMR.** Excess mortality is considerable (15% in women and 10% in men at the 80<sup>th</sup> centile). There is a marked North-South gradient. **MEN:** excesses can be seen in all Southern regions as well as in Lazio and the Tyrrhenian coast of Toscana and in the province of Oristano, and less considerable excess on the Adriatic coast. **WOMEN:** excess is seen in all the Southern regions, Sicilia and North-Western Sardegna.

**PAF. MEN:** the PAF are generally low, except in Friuli Venezia Giulia, Trentino-Alto Adige and Valle d'Aosta. **WOMEN:** PAF over 25% can be seen in the South and the Islands, in Toscana, Piemonte and Bolzano.



### DONNE WOMEN

**ETÀ 30-89  
AGE 30-89**



□ PAF not calculable

2012-2014							
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS	
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000	
Piemonte	High	58	836 082	0.8 (0.6-1.0)	1		8
	Medium	129	1 676 727	1.1 (0.9-1.3)	1.45 (1.06-1.99)		13
	Low	618	2 414 836	1.2 (1.1-1.3)	1.64 (1.25-2.16)		19
Valle d'Aosta	High	0	24 747	0.0			
	Medium	2	47 069	0.7 (0.2-2.7)			8
	Low	9	67 283	0.7 (0.3-1.4)			21
Lombardia	High	181	1 989 400	1.0 (0.9-1.2)	1		10
	Medium	253	3 710 635	1.0 (0.9-1.2)	1.02 (0.84-1.23)		11
	Low	1 271	4 972 897	1.3 (1.2-1.4)	1.27 (1.08-1.48)		18
Bolzano	High	6	89 740	0.8 (0.4-1.8)	1		6
	Medium	13	199 428	1.2 (0.7-2.0)	1.49 (0.56-3.95)		11
	Low	61	223 412	1.4 (1.1-1.8)	1.73 (0.74-4.03)		12
Trento	High	7	103 543	0.8 (0.4-1.7)	1		3
	Medium	12	225 643	0.8 (0.5-1.5)	1.02 (0.39-2.62)		18
	Low	52	225 141	1.0 (0.7-1.3)	1.21 (0.54-2.72)		11
Veneto	High	74	833 402	1.1 (0.9-1.4)	1		11
	Medium	60	1 680 237	0.7 (0.6-1.0)	0.66 (0.46-0.94)		13
	Low	642	2 777 381	1.2 (1.1-1.3)	1.03 (0.81-1.32)		16
Friuli Venezia Giulia	High	24	263 149	1.0 (0.7-1.5)	1		8
	Medium	37	503 326	1.0 (0.7-1.3)	1.00 (0.59-1.67)		10
	Low	160	612 209	1.1 (1.0-1.3)	1.16 (0.75-1.80)		19
Liguria	High	49	405 013	1.0 (0.8-1.4)	1		21
	Medium	59	661 034	1.0 (0.8-1.3)	0.96 (0.65-1.42)		10
	Low	266	786 175	1.4 (1.2-1.6)	1.37 (0.99-1.89)		24
Emilia-Romagna	High	84	982 490	1.0 (0.8-1.3)	1		13
	Medium	91	1 657 944	1.1 (0.9-1.4)	1.08 (0.80-1.46)		12
	Low	684	2 237 787	1.3 (1.2-1.4)	1.24 (0.98-1.56)		18
Toscana	High	59	804 123	0.8 (0.6-1.1)	1		9
	Medium	65	1 314 238	1.0 (0.8-1.3)	1.22 (0.85-1.74)		13
	Low	655	2 057 570	1.4 (1.3-1.5)	1.66 (1.27-2.18)		23
Umbria	High	15	205 592	1.0 (0.6-1.6)	1		15
	Medium	16	325 316	1.3 (0.8-2.1)	1.33 (0.66-2.71)		12
	Low	163	460 587	1.4 (1.2-1.6)	1.42 (0.83-2.44)		21
Marche	High	32	323 451	1.3 (0.9-1.8)	1		11
	Medium	32	519 041	1.5 (1.0-2.1)	1.16 (0.71-1.91)		24
	Low	240	856 620	1.2 (1.0-1.3)	0.92 (0.63-1.34)		17
Lazio	High	172	1 522 088	1.2 (1.0-1.4)	1		16
	Medium	169	2 177 071	1.5 (1.2-1.7)	1.21 (0.98-1.51)		21
	Low	801	2 438 459	1.7 (1.6-1.8)	1.41 (1.19-1.67)		30
Abruzzo	High	28	286 014	1.2 (0.8-1.8)	1		26
	Medium	24	435 854	1.4 (0.9-2.1)	1.12 (0.64-1.97)		23
	Low	194	705 762	1.3 (1.1-1.5)	1.03 (0.69-1.55)		20
Molise	High	3	63 987	0.7 (0.2-2.3)	1		4
	Medium	3	93 174	0.8 (0.3-2.8)	1.17 (0.22-6.13)		14
	Low	49	182 398	1.2 (0.9-1.6)	1.60 (0.49-5.16)		13
Campania	High	114	960 276	1.5 (1.2-1.8)	1		21
	Medium	133	1 599 876	2.0 (1.6-2.3)	1.31 (1.02-1.70)		31
	Low	1 086	3 283 605	2.3 (2.2-2.4)	1.53 (1.26-1.86)		43
Puglia	High	48	646 788	1.0 (0.8-1.4)	1		12
	Medium	56	1 066 681	1.4 (1.1-1.8)	1.34 (0.91-1.99)		17
	Low	778	2 564 345	1.8 (1.7-2.0)	1.78 (1.32-2.40)		25
Basilicata	High	3	99 340	0.5 (0.1-1.5)	1		19
	Medium	7	170 598	1.4 (0.6-3.2)	3.09 (0.74-12.82)		11
	Low	118	343 548	1.7 (1.4-2.0)	3.63 (1.11-11.87)		24
Calabria	High	32	366 406	1.2 (0.9-1.7)	1		20
	Medium	34	542 152	1.8 (1.2-2.6)	1.46 (0.87-2.43)		28
	Low	334	1 124 577	1.7 (1.5-1.9)	1.41 (0.97-2.04)		38
Sicilia	High	108	839 323	1.5 (1.2-1.8)	1		19
	Medium	108	1 416 022	1.7 (1.4-2.0)	1.12 (0.85-1.47)		27
	Low	1 103	2 963 827	2.3 (2.2-2.5)	1.57 (1.28-1.92)		41
Sardegna	High	24	317 889	1.1 (0.7-1.6)	1		9
	Medium	29	506 958	1.4 (0.9-2.0)	1.28 (0.73-2.22)		14
	Low	267	991 152	1.6 (1.4-1.8)	1.47 (0.96-2.26)		28
Italia	High	1 121	11 962 838	1.1 (1.0-1.2)	1		14
	Medium	1 332	20 529 020	1.2 (1.1-1.3)	1.11 (1.02-1.20)		16
	Low	9 551	32 289 567	1.5 (1.5-1.6)	1.40 (1.32-1.49)		25



## MALATTIE DEL RENE E DELL'URETERE DISEASES OF KIDNEY AND URETHRA

**SMR.** Gli eccessi di mortalità sono molto marcati (del 24% nelle donne e del 18% negli uomini all'80° centile). Si segnala un netto gradiente Nord-Sud, con eccessi tra gli **UOMINI** in tutte le regioni meridionali, ma anche nel Lazio e nella Toscana tirrenica, e nella provincia di Oristano, meno rilevanti sul versante adriatico; tra le **DONNE** in tutte le regioni meridionali, Sicilia e Sardegna Nord-occidentale. Il pattern è simile a quello relativo alla mortalità per malattie del rene e dell'uretere.

**PAF. UOMINI:** i PAF sono generalmente bassi, tranne in Friuli-Venezia Giulia, Trentino-Alto Adige, Valle d'Aosta e Sardegna. **DONNE:** PAF superiori al 25% si osservano al Sud e nelle Isole, in Toscana, Piemonte, Bolzano e Umbria.

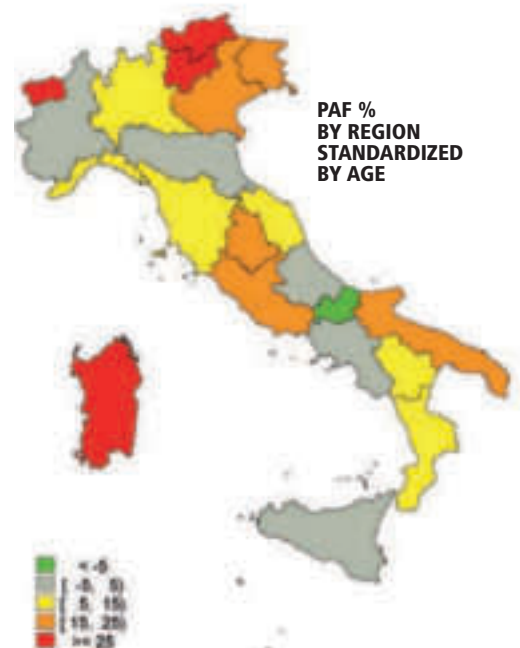
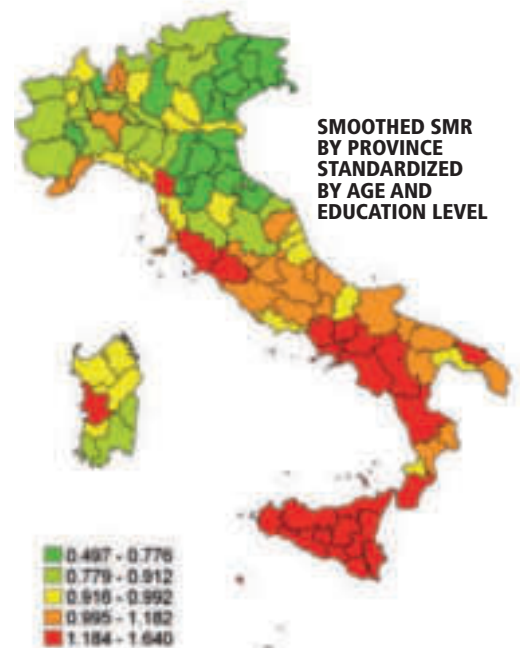
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL RATE x10 000
				RATE x10 000 (95%CI)	MMR (95%CI)			
Piemonte	High	130	818 021	1.6 (1.3-1.9)	1		19	
	Medium	144	1 580 984	1.5 (1.3-1.8)	0.96 (0.75-1.23)		20	
	Low	452	2 065 138	1.8 (1.6-1.9)	1.10 (0.90-1.35)		28	
Valle d'Aosta	High	1	23 025	0.6 (0.1-4.1)	1			
	Medium	4	43 054	2.0 (0.7-5.6)	3.55 (0.39-32.14)		15	
	Low	12	63 600	1.7 (1.0-3.0)	2.98 (0.39-23.00)		23	
Lombardia	High	271	1 923 344	1.5 (1.3-1.7)	1		17	
	Medium	291	3 478 639	1.7 (1.5-1.9)	1.12 (0.95-1.33)		21	
	Low	849	4 387 573	1.8 (1.7-2.0)	1.25 (1.09-1.44)		25	
Bolzano	High	11	86 156	1.2 (0.7-2.3)	1		13	
	Medium	19	187 921	2.6 (1.7-4.2)	2.14 (1.00-4.56)		15	
	Low	32	208 018	1.4 (1.0-2.0)	1.16 (0.58-2.32)		16	
Trento	High	7	101 157	0.8 (0.4-1.7)	1		3	
	Medium	11	210 020	1.2 (0.7-2.3)	1.54 (0.59-4.01)		10	
	Low	47	202 879	1.9 (1.4-2.5)	2.34 (1.05-5.20)		28	
Veneto	High	86	840 505	1.2 (1.0-1.5)	1		16	
	Medium	112	1 783 406	1.5 (1.3-1.9)	1.30 (0.97-1.74)		18	
	Low	438	2 275 576	1.7 (1.5-1.8)	1.41 (1.11-1.79)		28	
Friuli Venezia Giulia	High	28	256 926	1.0 (0.7-1.4)	1		16	
	Medium	43	518 112	1.4 (1.0-1.9)	1.43 (0.88-2.34)		16	
	Low	72	482 532	1.2 (0.9-1.5)	1.24 (0.79-1.95)		20	
Liguria	High	77	359 649	1.7 (1.3-2.1)	1		19	
	Medium	73	602 274	1.6 (1.3-2.0)	0.97 (0.70-1.34)		18	
	Low	217	644 480	2.3 (2.0-2.7)	1.41 (1.08-1.83)		39	
Emilia-Romagna	High	94	864 484	1.2 (1.0-1.5)	1		14	
	Medium	84	1 582 791	1.1 (0.9-1.3)	0.88 (0.65-1.19)		12	
	Low	398	1 982 289	1.4 (1.3-1.5)	1.13 (0.90-1.42)		22	
Toscana	High	116	710 841	1.7 (1.4-2.0)	1		20	
	Medium	125	1 249 632	1.8 (1.5-2.1)	1.05 (0.81-1.36)		22	
	Low	468	1 772 636	1.9 (1.7-2.1)	1.12 (0.91-1.37)		30	
Umbria	High	24	180 175	1.5 (1.0-2.2)	1		20	
	Medium	30	342 532	1.8 (1.2-2.5)	1.19 (0.69-2.07)		27	
	Low	115	360 932	1.9 (1.5-2.3)	1.27 (0.80-2.00)		31	
Marche	High	38	287 273	1.6 (1.1-2.2)	1		17	
	Medium	39	538 873	1.6 (1.2-2.3)	1.04 (0.66-1.64)		17	
	Low	196	720 635	1.7 (1.5-2.0)	1.09 (0.77-1.55)		23	
Lazio	High	225	1 358 451	1.7 (1.5-2.0)	1		21	
	Medium	243	2 073 918	2.3 (2.0-2.6)	1.33 (1.11-1.61)		34	
	Low	577	1 968 190	2.5 (2.3-2.7)	1.43 (1.22-1.67)		42	
Abruzzo	High	47	254 990	2.3 (1.7-3.1)	1		31	
	Medium	44	468 140	2.3 (1.7-3.1)	0.98 (0.64-1.51)		29	
	Low	191	578 741	2.2 (1.9-2.6)	0.96 (0.69-1.33)		37	
Molise	High	7	56 815	1.8 (0.8-3.7)	1		17	
	Medium	5	103 063	0.9 (0.3-2.4)	0.51 (0.15-1.73)		24	
	Low	38	152 945	1.7 (1.2-2.4)	0.95 (0.42-2.15)		31	
Campania	High	204	909 229	2.7 (2.4-3.1)	1		40	
	Medium	218	1 717 812	2.5 (2.2-2.9)	0.93 (0.76-1.13)		47	
	Low	707	2 609 431	3.0 (2.8-3.2)	1.10 (0.93-1.29)		64	
Puglia	High	81	614 254	1.7 (1.4-2.2)	1		20	
	Medium	111	1 149 011	2.1 (1.7-2.5)	1.19 (0.89-1.60)		34	
	Low	515	2 086 918	2.2 (2.0-2.4)	1.26 (0.99-1.60)		40	
Basilicata	High	14	91 178	2.3 (1.3-3.9)	1		17	
	Medium	19	183 319	3.0 (1.8-5.1)	1.33 (0.63-2.79)		41	
	Low	91	291 033	2.1 (1.7-2.6)	0.93 (0.52-1.66)		35	
Calabria	High	59	325 325	2.3 (1.8-3.0)	1		30	
	Medium	72	593 842	3.1 (2.4-3.9)	1.32 (0.91-1.90)		44	
	Low	268	936 916	2.3 (2.0-2.6)	0.99 (0.74-1.32)		52	
Sicilia	High	193	767 785	2.9 (2.5-3.3)	1		30	
	Medium	197	1 434 675	2.9 (2.5-3.4)	1.01 (0.82-1.24)		42	
	Low	861	2 454 220	3.1 (2.9-3.3)	1.07 (0.91-1.25)		58	
Sardegna	High	25	247 778	1.3 (0.8-1.9)	1		16	
	Medium	42	484 814	1.9 (1.4-2.6)	1.47 (0.87-2.48)		25	
	Low	193	945 577	2.0 (1.7-2.3)	1.55 (1.00-2.40)		30	
Italia	High	1 738	11 077 356	1.7 (1.6-1.8)	1		21	
	Medium	1 926	20 326 825	1.9 (1.8-2.0)	1.10 (1.03-1.17)		26	
	Low	6 737	27 190 254	2.1 (2.0-2.1)	1.21 (1.15-1.28)		36	



### UOMINI MEN

ETÀ 30-89  
AGE 30-89



## MALATTIE DEL RENE E DELL'URETERE DISEASES OF KIDNEY AND URETHRA



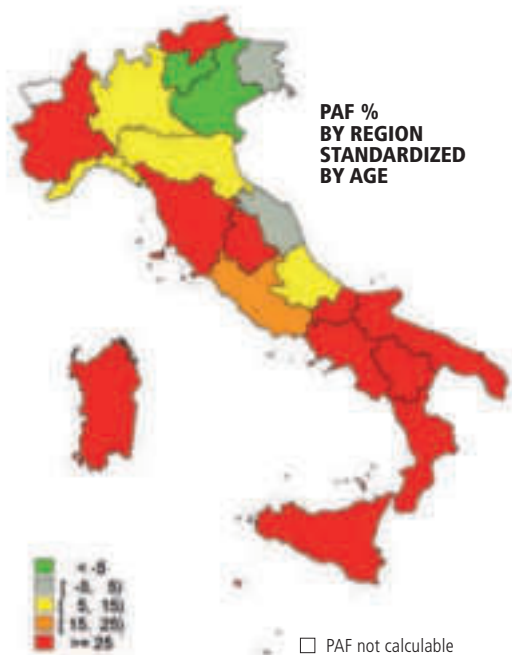
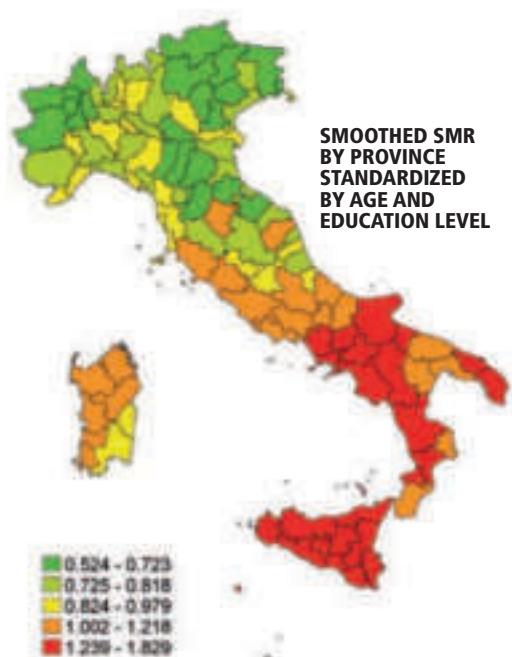
**SMR.** Excess mortality is considerable (80<sup>th</sup> centile, 24% of **WOMEN** and 18% of **MEN**). There is a marked North-South gradient. **MEN:** excesses can be seen in all Southern regions as well as in Lazio and the Tyrrhenian coast of Toscana and in the province of Oristano, and less considerable excess on the Adriatic coast. **WOMEN:** excess is seen in all the Southern regions, Sicilia and North-Western Sardegna. This pattern essentially overlaps that for mortality due to diseases of kidney and urethra.

**PAF. MEN:** the PAF are generally low, except in Friuli Venezia Giulia, Trentino-Alto Adige, Valle d'Aosta, and Sardegna. **WOMEN:** PAF over 25% can be seen in the South and the Islands, in Toscana, Piemonte, Bolzano, and Umbria. This picture is essentially the same for diseases of kidney and urethra.



### DONNE WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014								
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	47	836 082	0.6 (0.5-0.8)	1		7	
	Medium	100	1 676 727	0.8 (0.7-1.0)	1.38 (0.97-1.96)		12	
	Low	452	2 414 836	0.9 (0.8-1.0)	1.50 (1.10-2.03)		15	
Valle d'Aosta	High	0	24 747	0.0				
	Medium	1	47 069	0.4 (0.1-2.6)			8	
	Low	6	67 283	0.4 (0.2-0.8)				
Lombardia	High	135	1 989 400	0.8 (0.7-0.9)	1		8	
	Medium	197	3 710 635	0.8 (0.7-0.9)	1.05 (0.85-1.32)		9	
	Low	985	4 972 897	1.0 (1.0-1.1)	1.32 (1.10-1.58)		15	
Bolzano	High	3	89 740	0.4 (0.1-1.2)	1			
	Medium	8	199 428	0.7 (0.3-1.4)	1.83 (0.48-6.99)		10	
	Low	39	223 412	0.9 (0.7-1.3)	2.46 (0.75-8.01)		11	
Trento	High	7	103 543	0.8 (0.4-1.7)	1		3	
	Medium	10	225 643	0.7 (0.4-1.2)	0.83 (0.31-2.21)		15	
	Low	36	225 141	0.7 (0.5-1.0)	0.86 (0.37-1.99)		10	
Veneto	High	56	833 402	0.9 (0.7-1.1)	1		6	
	Medium	47	1 680 237	0.6 (0.4-0.8)	0.68 (0.46-1.02)		10	
	Low	509	2 777 381	0.9 (0.8-1.0)	1.08 (0.82-1.43)		13	
Friuli Venezia Giulia	High	18	263 149	0.7 (0.5-1.2)	1		5	
	Medium	26	503 326	0.7 (0.5-1.0)	0.93 (0.51-1.69)		9	
	Low	107	612 209	0.8 (0.6-1.0)	1.07 (0.64-1.78)		16	
Liguria	High	42	405 013	0.9 (0.7-1.2)	1		20	
	Medium	53	661 034	0.9 (0.7-1.2)	1.00 (0.66-1.51)		10	
	Low	222	786 175	1.2 (1.0-1.4)	1.31 (0.92-1.86)		19	
Emilia-Romagna	High	60	982 490	0.7 (0.6-0.9)	1		12	
	Medium	64	1 657 944	0.8 (0.6-1.0)	1.07 (0.75-1.54)		9	
	Low	482	2 237 787	0.9 (0.8-1.0)	1.23 (0.93-1.61)		11	
Toscana	High	44	804 123	0.6 (0.5-0.8)	1		6	
	Medium	53	1 314 238	0.8 (0.6-1.1)	1.34 (0.89-2.01)		11	
	Low	526	2 057 570	1.1 (1.0-1.2)	1.82 (1.33-2.49)		19	
Umbria	High	10	205 592	0.6 (0.3-1.2)	1		13	
	Medium	11	325 316	0.9 (0.5-1.6)	1.38 (0.58-3.27)		12	
	Low	133	460 587	1.1 (0.9-1.4)	1.80 (0.94-3.47)		19	
Marche	High	27	323 451	1.0 (0.7-1.5)	1		9	
	Medium	27	519 041	1.2 (0.8-1.8)	1.18 (0.69-2.02)		20	
	Low	200	856 620	1.0 (0.8-1.1)	0.93 (0.62-1.40)		14	
Lazio	High	152	1 522 088	1.1 (0.9-1.2)	1		15	
	Medium	150	2 177 071	1.3 (1.1-1.5)	1.22 (0.97-1.53)		20	
	Low	695	2 438 459	1.5 (1.4-1.6)	1.40 (1.17-1.68)		28	
Abruzzo	High	26	286 014	1.1 (0.8-1.7)	1		24	
	Medium	23	435 854	1.3 (0.9-2.0)	1.16 (0.65-2.08)		21	
	Low	184	705 762	1.2 (1.0-1.4)	1.05 (0.69-1.61)		20	
Molise	High	3	63 987	0.7 (0.2-2.3)	1		4	
	Medium	3	93 174	0.8 (0.3-2.8)	1.17 (0.22-6.13)		14	
	Low	48	182 398	1.1 (0.8-1.5)	1.56 (0.48-5.04)		13	
Campania	High	111	960 276	1.5 (1.2-1.8)	1		20	
	Medium	129	1 599 876	1.9 (1.6-2.3)	1.31 (1.01-1.70)		30	
	Low	1 059	3 283 605	2.2 (2.1-2.4)	1.53 (1.26-1.87)		42	
Puglia	High	42	646 788	0.9 (0.7-1.2)	1		9	
	Medium	52	1 066 681	1.3 (1.0-1.7)	1.40 (0.93-2.12)		16	
	Low	734	2 564 345	1.7 (1.6-1.9)	1.89 (1.38-2.60)		23	
Basilicata	High	3	99 340	0.5 (0.1-1.5)	1		19	
	Medium	6	170 598	1.2 (0.5-2.9)	2.60 (0.60-11.33)		11	
	Low	109	343 548	1.5 (1.3-1.9)	3.34 (1.02-10.92)		21	
Calabria	High	28	366 406	1.1 (0.7-1.5)	1		16	
	Medium	34	542 152	1.8 (1.2-2.6)	1.69 (1.00-2.86)		28	
	Low	319	1 124 577	1.6 (1.5-1.8)	1.55 (1.04-2.30)		36	
Sicilia	High	103	839 323	1.4 (1.2-1.7)	1		18	
	Medium	103	1 416 022	1.6 (1.3-1.9)	1.11 (0.84-1.47)		26	
	Low	1 052	2 963 827	2.2 (2.1-2.4)	1.57 (1.28-1.92)		38	
Sardegna	High	20	317 889	0.9 (0.6-1.4)	1		9	
	Medium	25	506 958	1.2 (0.8-1.8)	1.37 (0.75-2.51)		10	
	Low	237	991 152	1.4 (1.2-1.6)	1.61 (1.01-2.58)		26	
Italia	High	937	11 962 838	0.9 (0.9-1.0)	1		12	
	Medium	1 122	20 529 020	1.0 (1.0-1.1)	1.11 (1.02-1.21)		14	
	Low	8 134	32 289 567	1.3 (1.3-1.3)	1.44 (1.35-1.55)		22	



# MALATTIE SISTEMA OSTEOMUSCOLARE E TESSUTO CONNETTIVO

## DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE

**SMR.** Gli eccessi di mortalità sono marcati: 15% nelle donne e 18% negli uomini all'80° centile). **UOMINI:** eccessi sono registrati in Piemonte, Sardegna, Toscana, Marche, Umbria, Venezia Giulia. **DONNE:** si osserva un gradiente Est-Ovest, con eccessi di mortalità in Piemonte, Sardegna, Liguria, Sicilia occidentale, Calabria meridionale, ma anche in Toscana, soprattutto a Prato, e a Trieste.

**PAF.** Il quadro è eterogeneo con PAF superiori al 25%, ma anche con PAF protettivi, presumibilmente a causa del forte effetto del caso.

2012-2014

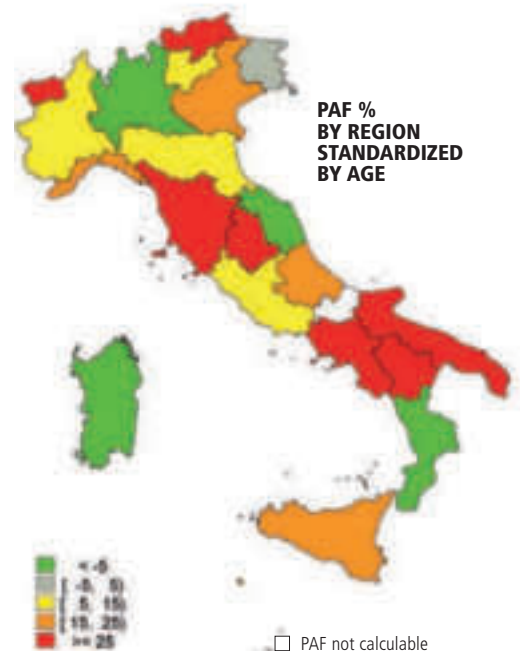
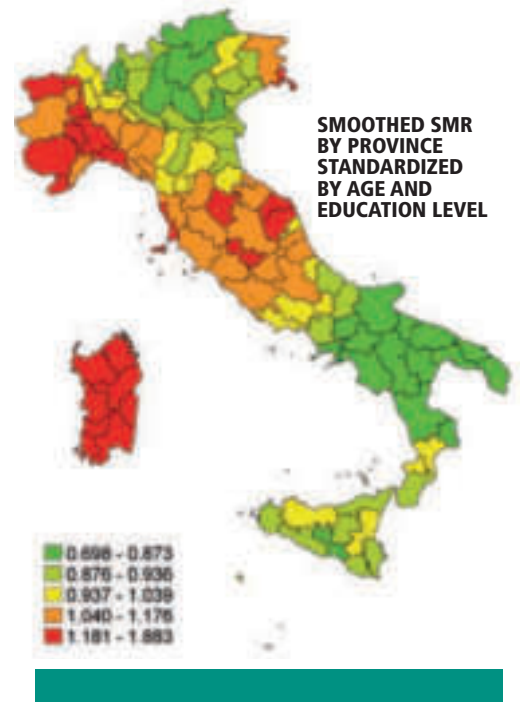
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)		MMR (95%CI)		
Piemonte	High	43	818 021	0.5 (0.4-0.7)		1		7
	Medium	55	1 580 984	0.5 (0.4-0.7)		1.11 (0.74-1.68)		9
	Low	123	2 065 138	0.5 (0.4-0.6)		1.03 (0.72-1.47)		14
Valle d'Aosta	High	1	23 025	0.3 (0.0-2.3)		1		13
	Medium	2	43 054	0.7 (0.2-3.2)		2.36 (0.21-27.00)		11
	Low	7	63 600	1.0 (0.5-2.2)		3.29 (0.40-26.90)		22
Lombardia	High	74	1 923 344	0.4 (0.3-0.5)		1		6
	Medium	62	3 478 639	0.3 (0.2-0.4)		0.78 (0.55-1.12)		7
	Low	172	4 387 573	0.4 (0.3-0.4)		0.95 (0.72-1.26)		11
Bolzano	High	1	86 156	0.1 (0.0-0.8)		1		3
	Medium	2	187 921	0.3 (0.1-1.2)		2.63 (0.24-29.33)		3
	Low	8	208 018	0.4 (0.2-0.8)		3.49 (0.43-28.04)		15
Trento	High	2	101 157	0.2 (0.1-1.0)		1		1
	Medium	2	210 020	0.2 (0.0-0.8)		0.72 (0.09-5.89)		4
	Low	9	202 879	0.4 (0.2-0.7)		1.54 (0.33-7.18)		15
Veneto	High	22	840 505	0.3 (0.2-0.4)		1		6
	Medium	35	1 783 406	0.4 (0.3-0.6)		1.37 (0.77-2.43)		10
	Low	97	2 275 576	0.4 (0.3-0.5)		1.32 (0.81-2.13)		9
Friuli Venezia Giulia	High	17	256 926	0.6 (0.4-1.0)		1		8
	Medium	22	518 112	0.6 (0.4-0.9)		0.96 (0.50-1.83)		17
	Low	34	482 532	0.6 (0.4-0.9)		0.95 (0.52-1.73)		17
Liguria	High	22	359 649	0.5 (0.3-0.7)		1		4
	Medium	26	602 274	0.6 (0.4-0.8)		1.22 (0.69-2.16)		10
	Low	55	644 480	0.6 (0.5-0.8)		1.33 (0.81-2.20)		14
Emilia-Romagna	High	31	864 484	0.4 (0.3-0.5)		1		8
	Medium	26	1 582 791	0.3 (0.2-0.5)		0.83 (0.48-1.43)		6
	Low	122	1 982 289	0.5 (0.4-0.6)		1.26 (0.83-1.90)		14
Toscana	High	22	710 841	0.3 (0.2-0.5)		1		4
	Medium	37	1 249 632	0.5 (0.3-0.7)		1.59 (0.92-2.75)		11
	Low	125	1 772 636	0.5 (0.4-0.6)		1.74 (1.09-2.77)		12
Umbria	High	3	180 175	0.1 (0.0-0.5)		1		3
	Medium	9	342 532	0.5 (0.2-1.0)		3.37 (0.83-13.63)		10
	Low	33	360 932	0.5 (0.4-0.8)		3.67 (1.03-13.04)		8
Marche	High	16	287 273	0.6 (0.3-1.0)		1		12
	Medium	15	538 873	0.5 (0.3-0.9)		0.94 (0.44-1.98)		11
	Low	48	720 635	0.4 (0.3-0.6)		0.76 (0.42-1.37)		9
Lazio	High	60	1 358 451	0.4 (0.3-0.5)		1		8
	Medium	64	2 073 918	0.5 (0.4-0.7)		1.29 (0.89-1.86)		14
	Low	100	1 968 190	0.4 (0.4-0.5)		1.08 (0.78-1.50)		14
Abruzzo	High	9	254 990	0.4 (0.2-0.7)		1		7
	Medium	11	468 140	0.4 (0.2-0.8)		1.05 (0.41-2.75)		13
	Low	41	578 741	0.6 (0.4-0.8)		1.51 (0.70-3.24)		17
Molise	High	0	56 815	0.0				
	Medium	1	103 063	0.2 (0.0-1.7)				5
	Low	9	152 945	0.5 (0.3-1.0)				24
Campania	High	20	909 229	0.2 (0.1-0.3)		1		11
	Medium	32	1 717 812	0.3 (0.2-0.5)		1.53 (0.84-2.80)		9
	Low	84	2 609 431	0.3 (0.3-0.4)		1.61 (0.96-2.68)		8
Puglia	High	9	614 254	0.2 (0.1-0.4)		1		2
	Medium	18	1 149 011	0.3 (0.2-0.5)		1.61 (0.69-3.75)		6
	Low	83	2 086 918	0.4 (0.3-0.4)		1.94 (0.96-3.93)		10
Basilicata	High	1	91 178	0.2 (0.0-1.1)		1		12
	Medium	2	183 319	0.2 (0.0-1.0)		1.32 (0.10-16.59)		9
	Low	14	291 033	0.4 (0.2-0.6)		2.30 (0.30-17.60)		11
Calabria	High	11	325 325	0.4 (0.2-0.7)		1		9
	Medium	8	593 842	0.2 (0.1-0.5)		0.56 (0.21-1.51)		8
	Low	48	936 916	0.4 (0.3-0.6)		1.13 (0.57-2.24)		16
Sicilia	High	23	767 785	0.3 (0.2-0.5)		1		7
	Medium	24	1 434 675	0.3 (0.2-0.5)		0.95 (0.52-1.75)		8
	Low	117	2 454 220	0.4 (0.4-0.5)		1.42 (0.89-2.25)		13
Sardegna	High	16	247 778	0.7 (0.4-1.2)		1		11
	Medium	12	484 814	0.4 (0.2-0.7)		0.55 (0.24-1.24)		12
	Low	62	945 577	0.7 (0.5-0.8)		0.91 (0.50-1.66)		18
Italia	High	403	11 077 356	0.4 (0.3-0.4)		1		7
	Medium	465	20 326 825	0.4 (0.4-0.4)		1.09 (0.94-1.25)		9
	Low	1 391	27 190 254	0.4 (0.4-0.5)		1.20 (1.07-1.34)		12



### UOMINI

#### MEN

ETÀ 30-89  
AGE 30-89



□ PAF not calculable

# MALATTIE SISTEMA OSTEOMUSCOLARE E TESSUTO CONNETTIVO

## DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE



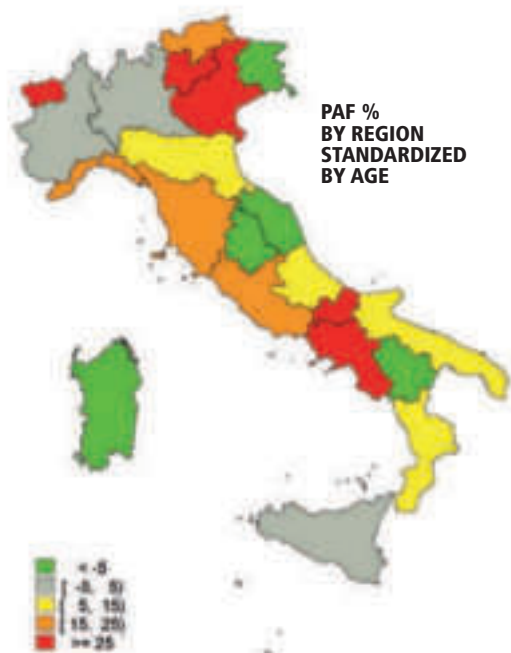
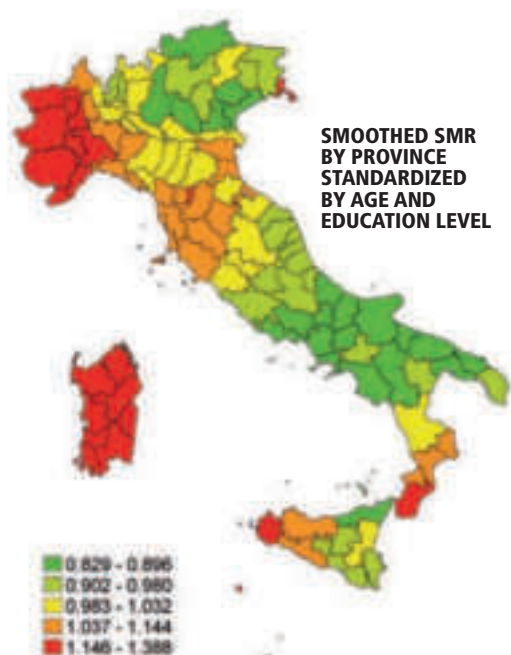
**SMR.** Excess mortality is pronounced (15% in women and 18% in men at the 80<sup>th</sup> centile). **MEN:** an excess is registered in Piemonte, Sardegna, Toscana, Marche, Umbria and Venezia Giulia. **WOMEN:** an East-West gradient is evident, with excess mortality in Piemonte, Sardegna, Liguria, Western Sicilia and Southern Calabria, but also in Toscana, especially in Prato, and in Trieste.

**PAF.** Values are heterogeneous, with PAF both above 25% and protective, presumably due to the strong random effect.



### DONNE WOMEN

**ETÀ 30-89  
AGE 30-89**



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	54	836 082	0.7 (0.5-0.9)	1		12	
	Medium	80	1 676 727	0.6 (0.5-0.8)	0.91 (0.64-1.29)		15	
	Low	335	2 414 836	0.7 (0.7-0.8)	1.03 (0.76-1.38)		16	
Valle d'Aosta	High	1	24 747	0.3 (0.0-2.4)	1		16	
	Medium	3	47 069	0.9 (0.3-2.8)	2.66 (0.27-25.82)		21	
	Low	7	67 283	0.4 (0.2-0.9)	1.28 (0.16-10.44)		1	
Lombardia	High	89	1 989 400	0.5 (0.4-0.6)	1		9	
	Medium	128	3 710 635	0.5 (0.4-0.6)	0.99 (0.75-1.30)		11	
	Low	497	4 972 897	0.6 (0.5-0.6)	1.07 (0.85-1.34)		12	
Bolzano	High	2	89 740	0.2 (0.0-0.7)	1		7	
	Medium	1	199 428	0.1 (0.0-0.7)	0.64 (0.06-7.04)		2	
	Low	12	223 412	0.3 (0.2-0.6)	2.02 (0.44-9.25)		9	
Trento	High	4	103 543	0.4 (0.1-1.1)	1		8	
	Medium	8	225 643	0.5 (0.3-1.1)	1.34 (0.40-4.56)		9	
	Low	27	225 141	0.6 (0.4-0.9)	1.57 (0.53-4.64)		17	
Veneto	High	22	833 402	0.3 (0.2-0.5)	1		5	
	Medium	34	1 680 237	0.4 (0.3-0.6)	1.21 (0.69-2.10)		9	
	Low	269	2 777 381	0.5 (0.5-0.6)	1.65 (1.06-2.56)		14	
Friuli Venezia Giulia	High	19	263 149	0.7 (0.5-1.1)	1		14	
	Medium	29	503 326	0.8 (0.5-1.1)	1.07 (0.60-1.92)		11	
	Low	69	612 209	0.5 (0.4-0.7)	0.72 (0.43-1.22)		11	
Liguria	High	26	405 013	0.5 (0.4-0.8)	1		13	
	Medium	38	661 034	0.7 (0.5-0.9)	1.23 (0.74-2.05)		12	
	Low	115	786 175	0.7 (0.5-0.8)	1.24 (0.79-1.94)		12	
Emilia-Romagna	High	46	982 490	0.5 (0.4-0.7)	1		14	
	Medium	65	1 657 944	0.7 (0.5-0.9)	1.28 (0.87-1.88)		17	
	Low	255	2 237 787	0.5 (0.5-0.6)	1.01 (0.73-1.40)		15	
Toscana	High	37	804 123	0.5 (0.4-0.7)	1		13	
	Medium	43	1 314 238	0.6 (0.5-0.8)	1.24 (0.79-1.94)		14	
	Low	317	2 057 570	0.7 (0.6-0.8)	1.43 (1.01-2.04)		16	
Umbria	High	11	205 592	0.7 (0.4-1.2)	1		8	
	Medium	14	325 316	0.7 (0.4-1.3)	1.11 (0.49-2.54)		27	
	Low	51	460 587	0.5 (0.4-0.7)	0.78 (0.40-1.54)		16	
Marche	High	16	323 451	0.6 (0.4-1.0)	1		17	
	Medium	14	519 041	0.6 (0.4-1.0)	1.05 (0.50-2.19)		8	
	Low	88	856 620	0.5 (0.4-0.6)	0.80 (0.46-1.39)		9	
Lazio	High	64	1 522 088	0.4 (0.3-0.6)	1		10	
	Medium	83	2 177 071	0.7 (0.5-0.8)	1.51 (1.08-2.12)		15	
	Low	222	2 438 459	0.5 (0.4-0.6)	1.16 (0.87-1.54)		11	
Abruzzo	High	13	286 014	0.6 (0.3-1.0)	1		20	
	Medium	17	435 854	0.9 (0.6-1.5)	1.64 (0.78-3.48)		27	
	Low	72	705 762	0.5 (0.4-0.7)	0.93 (0.50-1.74)		16	
Molise	High	1	63 987	0.1 (0.0-0.7)	1		6	
	Medium	1	93 174	0.3 (0.0-2.4)	3.20 (0.20-51.17)		2	
	Low	19	182 398	0.4 (0.2-0.6)	3.59 (0.48-26.89)		4	
Campania	High	26	960 276	0.3 (0.2-0.5)	1		4	
	Medium	35	1 599 876	0.4 (0.3-0.6)	1.20 (0.71-2.04)		14	
	Low	241	3 283 605	0.5 (0.5-0.6)	1.51 (1.00-2.28)		14	
Puglia	High	22	646 788	0.5 (0.3-0.7)	1		9	
	Medium	33	1 066 681	0.7 (0.5-1.0)	1.50 (0.86-2.63)		17	
	Low	183	2 564 345	0.5 (0.4-0.6)	1.01 (0.64-1.59)		15	
Basilicata	High	4	99 340	0.8 (0.3-2.0)	1		7	
	Medium	4	170 598	0.5 (0.2-1.6)	0.66 (0.14-3.02)		24	
	Low	30	343 548	0.5 (0.3-0.7)	0.60 (0.21-1.73)		9	
Calabria	High	17	366 406	0.6 (0.4-1.0)	1		9	
	Medium	20	542 152	0.8 (0.5-1.3)	1.21 (0.60-2.44)		28	
	Low	121	1 124 577	0.6 (0.5-0.8)	1.01 (0.60-1.70)		15	
Sicilia	High	43	839 323	0.6 (0.4-0.8)	1		13	
	Medium	43	1 416 022	0.5 (0.4-0.8)	0.97 (0.62-1.51)		17	
	Low	261	2 963 827	0.6 (0.5-0.7)	1.06 (0.76-1.48)		16	
Sardegna	High	19	317 889	0.8 (0.5-1.2)	1		17	
	Medium	15	506 958	0.5 (0.3-0.9)	0.70 (0.34-1.44)		15	
	Low	118	991 152	0.8 (0.6-0.9)	0.98 (0.59-1.62)		17	
Italia	High	536	11 962 838	0.5 (0.5-0.6)	1		11	
	Medium	708	20 529 020	0.6 (0.6-0.6)	1.16 (1.03-1.30)		14	
	Low	3 309	32 289 567	0.6 (0.6-0.6)	1.12 (1.02-1.23)		14	



## MALATTIE DEL SANGUE E DEGLI ORGANI EMATOPOIETICI E ALCUNI DISTURBI DEL SISTEMA IMMUNITARIO

**SMR.** Gli eccessi di mortalità sono simili nei due sessi (del 15% all'80° centile). Si evidenzia un chiaro gradiente Nord-Sud.

**UOMINI:** si registra un forte eccesso di mortalità in tutta la Sardegna, e in alcune aree del Centro-Sud, in particolare Lazio, Abruzzo, Molise, Basilicata, Calabria e Sicilia orientale; si segnala poi la presenza di cluster nelle province di Livorno e Trieste.

**DONNE:** l'elevata mortalità coinvolge tutto il Centro-Sud dal Lazio alla Sicilia con l'eccezione della provincia di Salerno.

**PAF. DONNE:** relativamente alla mortalità attribuibile al basso titolo di studio si osservano eccessi di rischi abbastanza diffusi nella penisola, pur in un quadro molto eterogeneo che mostra in alcuni casi (Piemonte, Valle d'Aosta, Umbria, Molise, Calabria) un'associazione inversa tra mortalità e istruzione.

**UOMINI:** solo in poche regioni (Liguria, Friuli-Venezia Giulia, Trentino) è presente una forte associazione tra mortalità per malattie del sangue e bassa istruzione, che invece appare essere protettiva in Toscana, Abruzzo, Basilicata e Calabria.

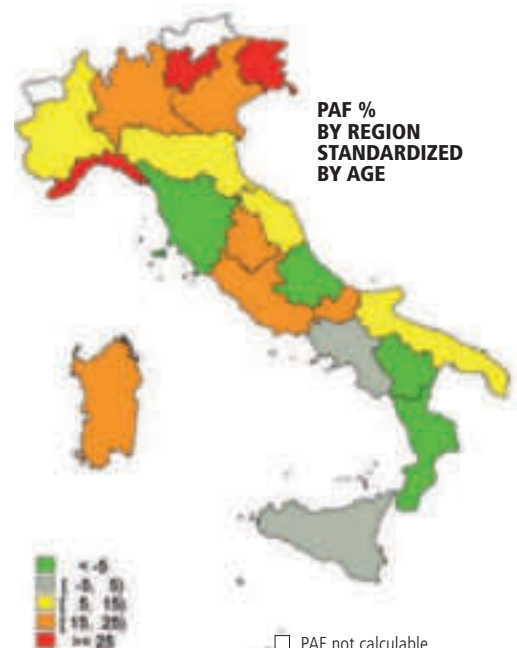
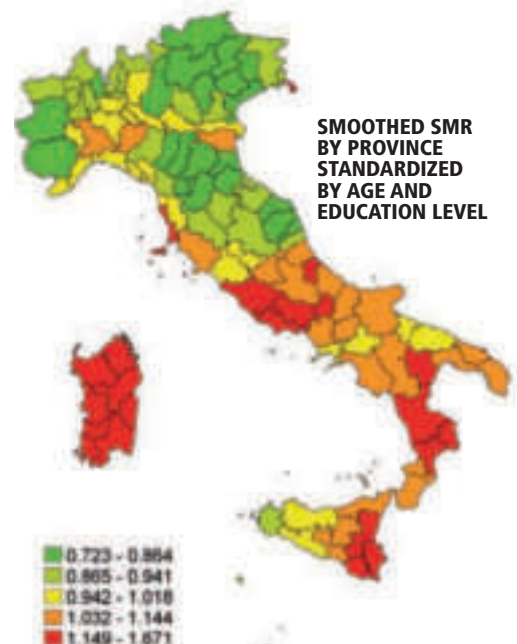
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	32	818 021	0.4 (0.3-0.5)	1	7
	Medium	39	1 580 984	0.4 (0.3-0.5)	1.07 (0.66-1.74)	7
	Low	118	2 065 138	0.5 (0.4-0.5)	1.27 (0.85-1.90)	10
Valle d'Aosta	High	0	23 025	0.0		
	Medium	2	43 054	0.7 (0.2-2.8)		27
	Low	5	63 600	0.7 (0.3-1.6)		23
Lombardia	High	71	1 923 344	0.4 (0.3-0.5)	1	6
	Medium	81	3 478 639	0.4 (0.4-0.6)	1.14 (0.82-1.58)	7
	Low	229	4 387 573	0.5 (0.4-0.6)	1.32 (1.00-1.73)	12
Bolzano	High	0	86 156	0.0		
	Medium	2	187 921	0.3 (0.1-1.1)		0
	Low	6	208 018	0.3 (0.1-0.6)		1
Trento	High	1	101 157	0.1 (0.0-0.8)	1	
	Medium	4	210 020	0.3 (0.1-0.8)	2.51 (0.28-22.67)	13
	Low	7	202 879	0.3 (0.1-0.6)	2.34 (0.29-19.02)	5
Veneto	High	26	840 505	0.3 (0.2-0.5)	1	7
	Medium	30	1 783 406	0.4 (0.2-0.5)	1.12 (0.64-1.98)	7
	Low	129	2 275 576	0.5 (0.4-0.6)	1.53 (0.98-2.38)	11
Friuli Venezia Giulia	High	7	256 926	0.3 (0.1-0.6)	1	8
	Medium	14	518 112	0.4 (0.2-0.7)	1.53 (0.59-4.02)	9
	Low	33	482 532	0.6 (0.4-0.8)	2.16 (0.91-5.15)	16
Liguria	High	16	359 649	0.3 (0.2-0.5)	1	4
	Medium	21	602 274	0.5 (0.3-0.7)	1.39 (0.72-2.69)	8
	Low	50	644 480	0.6 (0.4-0.7)	1.66 (0.94-2.95)	10
Emilia-Romagna	High	29	864 484	0.4 (0.2-0.5)	1	8
	Medium	30	1 582 791	0.3 (0.2-0.5)	0.95 (0.56-1.62)	8
	Low	134	1 982 289	0.5 (0.4-0.6)	1.35 (0.89-2.05)	9
Toscana	High	33	710 841	0.5 (0.3-0.7)	1	7
	Medium	25	1 249 632	0.3 (0.2-0.5)	0.71 (0.41-1.20)	6
	Low	114	1 772 636	0.5 (0.4-0.6)	0.99 (0.66-1.46)	11
Umbria	High	6	180 175	0.3 (0.1-0.7)	1	8
	Medium	6	342 532	0.2 (0.1-0.5)	0.73 (0.22-2.38)	13
	Low	30	360 932	0.5 (0.3-0.7)	1.75 (0.69-4.41)	14
Marche	High	8	287 273	0.3 (0.1-0.6)	1	7
	Medium	10	538 873	0.3 (0.2-0.6)	1.12 (0.43-2.92)	8
	Low	37	720 635	0.3 (0.2-0.5)	1.13 (0.52-2.48)	9
Lazio	High	65	1 358 451	0.5 (0.4-0.6)	1	9
	Medium	59	2 073 918	0.5 (0.4-0.6)	1.07 (0.74-1.54)	13
	Low	173	1 968 190	0.7 (0.6-0.9)	1.63 (1.21-2.18)	17
Abruzzo	High	15	254 990	0.7 (0.4-1.2)	1	13
	Medium	3	468 140	0.2 (0.1-0.6)	0.25 (0.07-0.88)	1
	Low	51	578 741	0.6 (0.4-0.8)	0.82 (0.45-1.49)	11
Molise	High	3	56 815	0.7 (0.2-2.2)	1	8
	Medium	5	103 063	1.1 (0.4-3.0)	1.72 (0.37-8.08)	18
	Low	13	152 945	0.6 (0.3-1.0)	0.90 (0.24-3.37)	21
Campania	High	36	909 229	0.5 (0.3-0.7)	1	7
	Medium	42	1 717 812	0.5 (0.3-0.6)	0.95 (0.59-1.53)	10
	Low	128	2 609 431	0.5 (0.4-0.6)	1.10 (0.75-1.62)	14
Puglia	High	21	614 254	0.4 (0.3-0.7)	1	4
	Medium	26	1 149 011	0.4 (0.3-0.6)	0.96 (0.52-1.75)	11
	Low	122	2 086 918	0.5 (0.5-0.6)	1.27 (0.78-2.05)	19
Basilicata	High	4	91 178	0.5 (0.2-1.4)	1	14
	Medium	4	183 319	0.4 (0.2-1.2)	0.84 (0.20-3.59)	15
	Low	21	291 033	0.5 (0.3-0.7)	0.93 (0.31-2.81)	12
Calabria	High	19	325 325	0.7 (0.4-1.1)	1	22
	Medium	18	593 842	0.5 (0.3-0.9)	0.76 (0.37-1.57)	19
	Low	76	936 916	0.6 (0.5-0.8)	0.92 (0.55-1.55)	18
Sicilia	High	38	767 785	0.5 (0.4-0.7)	1	11
	Medium	36	1 434 675	0.4 (0.3-0.6)	0.77 (0.48-1.25)	13
	Low	161	2 454 220	0.6 (0.5-0.7)	1.09 (0.76-1.57)	16
Sardegna	High	13	247 778	0.5 (0.3-0.9)	1	17
	Medium	12	484 814	0.5 (0.3-1.0)	1.06 (0.45-2.49)	8
	Low	72	945 577	0.7 (0.6-0.9)	1.44 (0.76-2.74)	26
Italia	High	443	11 077 356	0.4 (0.4-0.5)	1	8
	Medium	469	20 326 825	0.4 (0.4-0.5)	0.99 (0.86-1.13)	9
	Low	1709	27 190 254	0.5 (0.5-0.6)	1.29 (1.15-1.43)	14



### UOMINI MEN

ETÀ 30-89 AGE 30-89





# DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM



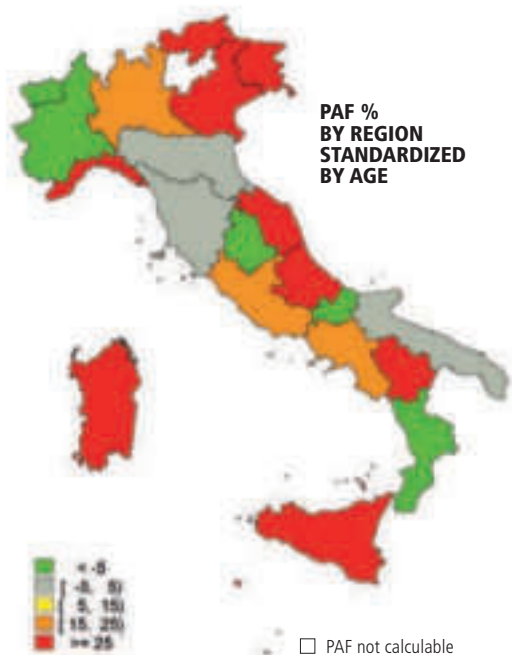
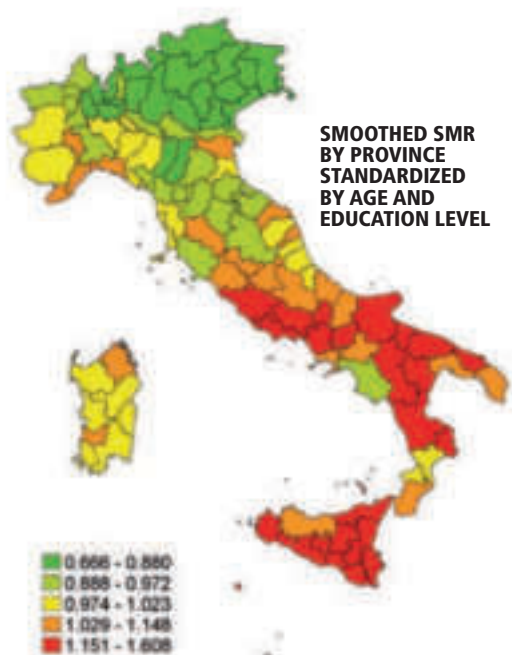
**SMR.** Excess mortality in males and females is similar (15% at the 80<sup>th</sup> centile). There is a clear North-South gradient; **MEN:** excess mortality can be clearly seen in all of Sardegna as well as in some areas of the Centre-South, particularly in Lazio, Abruzzo, Molise, Basilicata, Calabria and Eastern Sicilia. There are also clusters in the provinces of Livorno and Trieste. **WOMEN:** high mortality is seen throughout the Centre-South, from Lazio to Sicilia, with the exception of the province of Salerno.

**PAF. WOMEN:** excess risk can be seen throughout the peninsula, despite a very heterogeneous situation, which, in some cases (Piemonte, Valle d'Aosta, Umbria, Molise, Calabria), shows an inverse association between mortality and education. **MEN:** there is a strong association between low education level and death due to blood disorders only in few regions (Liguria, Friuli Venezia Giulia, Trentino); instead, low education appears to be protective in Toscana, Abruzzo, Basilicata and Calabria.



## DONNE WOMEN

ETÀ 30-89  
AGE 30-89



□ PAF not calculable

2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	35	836 082	0.5 (0.3-0.7)	1		10	
	Medium	42	1 676 727	0.3 (0.3-0.5)	0.74 (0.47-1.16)		6	
Valle d'Aosta	High	187	2 414 836	0.4 (0.3-0.5)	0.84 (0.58-1.22)		9	
	Low	2	24 747	1.2 (0.3-5.0)	1		11	
Lombardia	High	2	47 069	0.7 (0.2-2.8)	0.57 (0.08-4.04)		7	
	Medium	3	67 283	0.2 (0.1-0.6)	0.16 (0.03-1.00)		1	
	Low	46	1 989 400	0.3 (0.2-0.3)	1		4	
Lombardia	High	68	3 710 635	0.3 (0.2-0.3)	1.07 (0.73-1.56)		5	
	Medium	344	4 972 897	0.4 (0.3-0.4)	1.48 (1.08-2.02)		8	
	Low	1	89 740	0.1 (0.0-1.0)	1		3	
Bolzano	High	3	199 428	0.2 (0.1-0.8)	1.71 (0.18-16.44)		6	
	Medium	10	223 412	0.3 (0.1-0.5)	1.81 (0.23-14.38)		4	
	Low	0	103 543	0.0				
Trento	High	5	225 643	0.3 (0.1-0.8)			5	
	Medium	12	225 141	0.3 (0.1-0.5)			8	
	Low	11	833 402	0.2 (0.1-0.3)	1		2	
Veneto	High	29	1 680 237	0.3 (0.2-0.5)	2.11 (1.04-4.29)		8	
	Medium	167	2 777 381	0.3 (0.3-0.4)	1.92 (1.03-3.55)		5	
	Low	3	263 149	0.1 (0.0-0.4)	1		2	
Friuli Venezia Giulia	High	12	503 326	0.3 (0.2-0.6)	2.95 (0.82-10.60)		6	
	Medium	49	612 209	0.4 (0.3-0.5)	3.11 (0.95-10.14)		4	
	Low	15	405 013	0.3 (0.2-0.5)	1		4	
Liguria	High	31	661 034	0.5 (0.4-0.7)	1.78 (0.96-3.32)		9	
	Medium	96	786 175	0.6 (0.5-0.7)	2.00 (1.14-3.50)		15	
	Low	28	982 490	0.3 (0.2-0.5)	1		9	
Emilia-Romagna	High	24	1 657 944	0.3 (0.2-0.4)	0.78 (0.44-1.37)		5	
	Medium	207	2 237 787	0.4 (0.3-0.5)	1.21 (0.80-1.82)		8	
	Low	28	804 123	0.4 (0.3-0.5)	1		7	
Toscana	High	22	1 314 238	0.3 (0.2-0.5)	0.86 (0.49-1.53)		6	
	Medium	173	2 057 570	0.4 (0.3-0.5)	1.05 (0.69-1.59)		8	
	Low	8	205 592	0.5 (0.2-1.0)	1		9	
Umbria	High	5	325 316	0.4 (0.2-0.9)	0.80 (0.26-2.50)		6	
	Medium	34	460 587	0.2 (0.2-0.3)	0.49 (0.22-1.08)		1	
	Low	8	323 451	0.2 (0.1-0.5)	1		8	
Marche	High	15	519 041	0.6 (0.4-1.0)	2.48 (1.01-6.09)		13	
	Medium	81	856 620	0.4 (0.3-0.6)	1.76 (0.82-3.80)		10	
	Low	58	1 522 088	0.4 (0.3-0.5)	1		9	
Lazio	High	55	2 177 071	0.5 (0.4-0.6)	1.16 (0.80-1.68)		7	
	Medium	247	2 438 459	0.5 (0.5-0.6)	1.34 (1.00-1.79)		14	
	Low	6	286 014	0.3 (0.1-0.6)	1		4	
Abruzzo	High	9	435 854	0.6 (0.3-1.2)	2.22 (0.78-6.31)		6	
	Medium	64	705 762	0.5 (0.4-0.6)	1.69 (0.71-4.00)		15	
	Low	2	63 987	0.5 (0.1-1.8)	1		3	
Molise	High	1	93 174	0.2 (0.0-1.5)	0.47 (0.04-5.16)		11	
	Medium	21	182 398	0.5 (0.3-0.8)	1.11 (0.26-4.79)		7	
	Low	26	960 276	0.3 (0.2-0.5)	1		5	
Campania	High	31	1 599 876	0.4 (0.3-0.6)	1.26 (0.74-2.16)		10	
	Medium	206	3 283 605	0.5 (0.4-0.5)	1.36 (0.90-2.06)		12	
	Low	23	646 788	0.5 (0.3-0.7)	1		11	
Puglia	High	30	1 066 681	0.6 (0.4-0.8)	1.17 (0.66-2.07)		16	
	Medium	189	2 564 345	0.5 (0.4-0.6)	1.00 (0.64-1.56)		13	
	Low	2	99 340	0.4 (0.1-1.5)	1		2	
Basilicata	High	3	170 598	0.6 (0.2-2.2)	1.59 (0.24-10.60)		6	
	Medium	38	343 548	0.5 (0.4-0.7)	1.31 (0.32-5.46)		4	
	Low	15	366 406	0.6 (0.3-1.0)	1		15	
Calabria	High	9	542 152	0.4 (0.2-0.8)	0.62 (0.24-1.59)		11	
	Medium	103	1 124 577	0.6 (0.5-0.7)	1.00 (0.57-1.74)		16	
	Low	28	839 323	0.4 (0.2-0.5)	1		7	
Sicilia	High	39	1 416 022	0.5 (0.3-0.7)	1.38 (0.83-2.28)		15	
	Medium	258	2 963 827	0.6 (0.5-0.6)	1.61 (1.08-2.40)		14	
	Low	6	317 889	0.3 (0.1-0.6)	1		6	
Sardegna	High	10	506 958	0.4 (0.2-0.7)	1.40 (0.48-4.09)		10	
	Medium	73	991 152	0.5 (0.4-0.6)	1.74 (0.73-4.15)		13	
	Low	351	11 962 838	0.3 (0.3-0.4)	1		7	
Italia	High	445	20 529 020	0.4 (0.3-0.4)	1.13 (0.98-1.31)		8	
	Medium	2 562	32 289 567	0.4 (0.4-0.5)	1.30 (1.16-1.46)		10	
	Low							



# DIABETE MELLITO

## DIABETES MELLITUS

**SMR.** Si osserva un marcato gradiente Nord-Sud, dove i differenziali sono molto più marcati, soprattutto nelle donne (del 50% nelle **DONNE** e del 21% negli **UOMINI** all'80° centile). Gli eccessi maggiori sono stati registrati in Campania, Sicilia, Calabria, Basilicata e (soprattutto tra le donne) in Puglia. I differenziali di mortalità riflettono in parte differenze nella prevalenza di diabete; tuttavia, va segnalato il caso della Sardegna, dove rispetto a una prevalenza solo lievemente inferiore alla media nazionale si osserva una mortalità nettamente inferiore. È importante ricordare che solo una piccola parte della mortalità attribu-

ibile al diabete viene notificata segnalando tale patologia come causa di morte. Infatti il diabete agisce come concausa aumentando la mortalità per molte cause cardiovascolari, genitourinarie, infettive e oncologiche.

**PAF. UOMINI:** mostrano valori generalmente molto alti, con l'eccezione di poche regioni dove l'effetto sulla mortalità attribuibile al basso titolo di studio è assente (Calabria, Valle d'Aosta) o protettivo (Sardegna). **DONNE:** i valori sono ovunque superiori al 25% (tra 15-25% nella sola Emilia-Romagna).

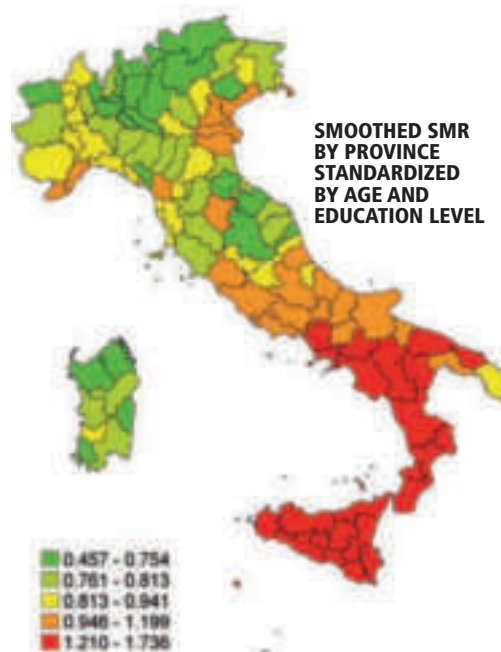
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL RATE x10 000
				RATE x10 000 (95%CI)	MMR (95%CI)			
Piemonte	High	231	818 021	2.6 (2.3-3.0)	1		51	
	Medium	321	1 580 984	3.1 (2.8-3.5)	1.21 (1.01-1.44)		61	
	Low	1 004	2 065 138	4.0 (3.8-4.3)	1.56 (1.34-1.81)		95	
Valle d'Aosta	High	5	23 025	2.2 (0.9-5.4)	1		26	
	Medium	8	43 054	2.4 (1.1-5.3)	1.13 (0.34-3.74)		106	
	Low	13	63 600	2.0 (1.2-3.5)	0.94 (0.32-2.75)		72	
Lombardia	High	402	1 923 344	2.1 (1.9-2.3)	1		37	
	Medium	514	3 478 639	2.6 (2.4-2.9)	1.28 (1.12-1.47)		51	
	Low	1 597	4 387 573	3.5 (3.4-3.7)	1.72 (1.53-1.92)		77	
Bolzano	High	13	86 156	1.2 (0.7-2.2)	1		24	
	Medium	17	187 921	2.0 (1.2-3.3)	1.62 (0.76-3.44)		33	
	Low	30	208 018	1.4 (1.0-2.0)	1.11 (0.56-2.17)		49	
Trento	High	17	101 157	1.8 (1.1-2.9)	1		28	
	Medium	37	210 020	3.7 (2.6-5.2)	2.03 (1.13-3.67)		66	
	Low	72	202 879	3.0 (2.3-3.7)	1.64 (0.95-2.80)		62	
Veneto	High	218	840 505	2.7 (2.4-3.1)	1		55	
	Medium	306	1 783 406	3.6 (3.2-4.1)	1.33 (1.11-1.60)		71	
	Low	1 063	2 275 576	4.2 (3.9-4.4)	1.54 (1.32-1.79)		102	
Friuli Venezia Giulia	High	71	256 926	2.4 (1.9-3.1)	1		51	
	Medium	124	518 112	3.5 (2.9-4.2)	1.46 (1.08-1.97)		84	
	Low	237	482 532	4.3 (3.7-4.9)	1.78 (1.35-2.35)		112	
Liguria	High	128	359 649	2.6 (2.2-3.1)	1		49	
	Medium	174	602 274	3.7 (3.1-4.2)	1.39 (1.10-1.75)		80	
	Low	431	644 480	5.0 (4.6-5.6)	1.92 (1.57-2.35)		119	
Emilia-Romagna	High	224	864 484	2.6 (2.3-3.0)	1		53	
	Medium	298	1 582 791	3.3 (2.9-3.7)	1.27 (1.06-1.53)		76	
	Low	988	1 982 289	3.8 (3.6-4.1)	1.47 (1.26-1.71)		98	
Toscana	High	193	710 841	2.6 (2.2-3.0)	1		44	
	Medium	268	1 249 632	3.5 (3.1-3.9)	1.36 (1.13-1.65)		72	
	Low	935	1 772 636	4.1 (3.8-4.3)	1.59 (1.35-1.86)		93	
Umbria	High	52	180 175	2.8 (2.1-3.8)	1		78	
	Medium	61	342 532	3.2 (2.4-4.1)	1.11 (0.75-1.65)		78	
	Low	196	360 932	3.5 (3.0-4.0)	1.21 (0.87-1.68)		94	
Marche	High	76	287 273	2.9 (2.3-3.7)	1		44	
	Medium	96	538 873	3.6 (2.9-4.4)	1.23 (0.90-1.69)		70	
	Low	328	720 635	3.2 (2.9-3.6)	1.10 (0.85-1.42)		77	
Lazio	High	458	1 358 451	3.2 (2.9-3.6)	1		60	
	Medium	435	2 073 918	4.0 (3.6-4.4)	1.22 (1.07-1.40)		75	
	Low	1 188	1 968 190	5.3 (5.0-5.6)	1.62 (1.45-1.81)		123	
Abruzzo	High	89	254 990	4.0 (3.2-4.9)	1		76	
	Medium	95	468 140	4.1 (3.3-5.1)	1.04 (0.76-1.41)		90	
	Low	414	578 741	5.2 (4.7-5.7)	1.31 (1.03-1.66)		137	
Molise	High	14	56 815	2.7 (1.6-4.8)	1		51	
	Medium	19	103 063	3.5 (2.1-5.7)	1.26 (0.59-2.68)		100	
	Low	105	152 945	5.0 (4.1-6.1)	1.82 (1.00-3.32)		143	
Campania	High	414	909 229	5.3 (4.8-5.9)	1		87	
	Medium	573	1 717 812	6.2 (5.7-6.8)	1.16 (1.02-1.33)		136	
	Low	1 846	2 609 431	7.8 (7.4-8.1)	1.46 (1.31-1.63)		192	
Puglia	High	215	614 254	4.0 (3.5-4.6)	1		70	
	Medium	284	1 149 011	5.2 (4.6-5.8)	1.28 (1.06-1.54)		87	
	Low	1 261	2 086 918	5.5 (5.2-5.9)	1.37 (1.18-1.59)		123	
Basilicata	High	22	91 178	3.2 (2.0-4.9)	1		39	
	Medium	35	183 319	4.5 (3.1-6.6)	1.42 (0.80-2.54)		106	
	Low	244	291 033	6.2 (5.4-7.1)	1.96 (1.24-3.11)		160	
Calabria	High	163	325 325	5.7 (4.9-6.7)	1		114	
	Medium	167	593 842	5.8 (4.9-6.8)	1.00 (0.80-1.26)		136	
	Low	715	936 916	6.2 (5.8-6.7)	1.09 (0.91-1.30)		158	
Sicilia	High	356	767 785	5.0 (4.5-5.6)	1		77	
	Medium	450	1 434 675	6.1 (5.6-6.8)	1.22 (1.05-1.41)		117	
	Low	2 191	2 454 220	8.1 (7.7-8.4)	1.60 (1.43-1.80)		181	
Sardegna	High	77	247 778	3.4 (2.7-4.4)	1		64	
	Medium	69	484 814	2.4 (1.9-3.2)	0.71 (0.50-1.01)		55	
	Low	340	945 577	3.5 (3.2-3.9)	1.02 (0.78-1.34)		95	
Italia	High	3 438	11 077 356	3.1 (3.0-3.2)	1		57	
	Medium	4 351	20 326 825	3.9 (3.7-4.0)	1.23 (1.18-1.29)		79	
	Low	15 198	27 190 254	4.9 (4.8-5.0)	1.56 (1.50-1.62)		117	

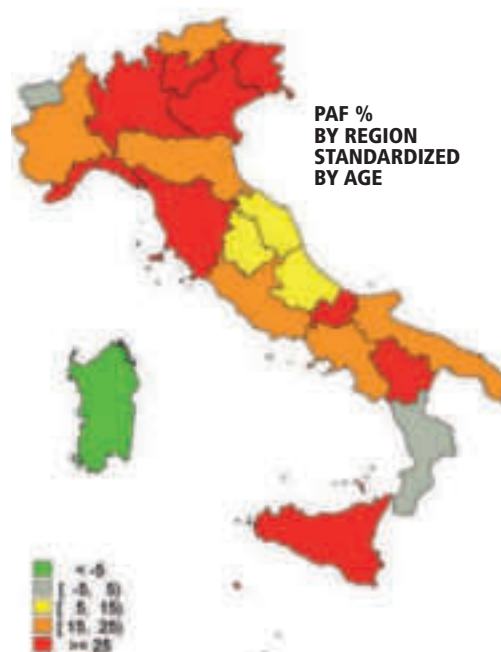


### UOMINI MEN

ETÀ 30-89  
AGE 30-89



SMOOTHED SMR BY PROVINCE STANDARDIZED BY AGE AND EDUCATION LEVEL



PAF % BY REGION STANDARDIZED BY AGE

## DIABETE MELLITO DIABETES MELLITUS



**SMR.** There is also a distinct North-South gradient for mortality, where, however, the differentials are more substantial, especially for women (50% in **WOMEN** and 21% in **MEN** at the 80<sup>th</sup> centile). The greatest excesses are seen in Campania, Sicilia, Calabria, Basilicata and, above all for women, Puglia. Mortality differentials partially reflect the differences in the prevalence of diabetes. However, the case of Sardegna should be noted, where the prevalence above the national average does not correspond to an excess in mortality. It is important to remember that only a small part of mortality attributable to diabe-

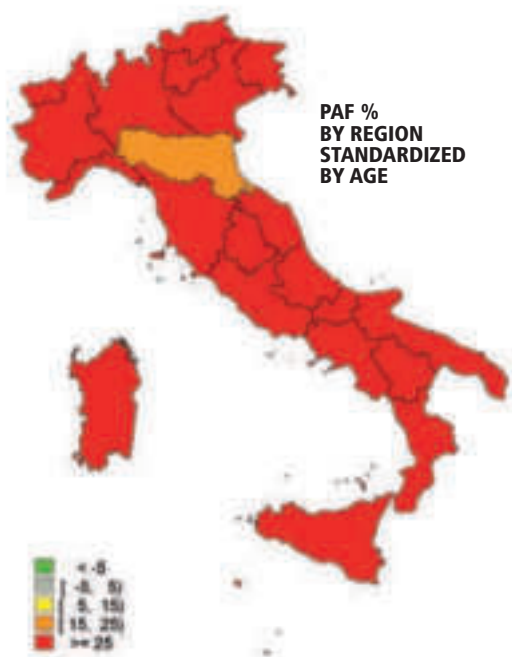
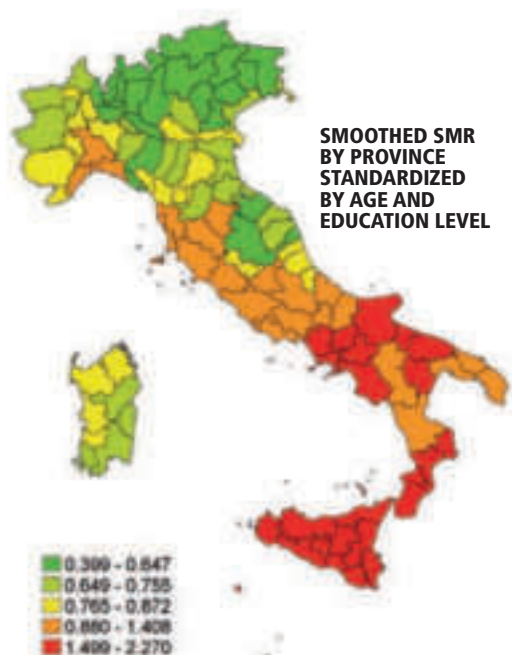
tes is registered as such. Indeed, diabetes acts as a contributing cause as it increases mortality for many cardiovascular, genitourinary, infectious and oncological diseases.

**PAF. MEN:** show generally very high values, with the exception of a few regions where there is no effect of low education on mortality (Calabria, Valle d'Aosta) or protective (Sardegna). **WOMEN:** the PAF are over 25% everywhere (15-25% only in Emilia-Romagna).



### DONNE WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014								
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	110	836 082	1.4 (1.2-1.7)	1		28	
	Medium	205	1 676 727	1.7 (1.5-2.0)	1.23 (0.98-1.56)		26	
	Low	1 269	2 414 836	2.6 (2.5-2.8)	1.89 (1.55-2.31)		48	
Valle d'Aosta	High	2	24 747	0.6 (0.1-2.4)	1		35	
	Medium	2	47 069	0.5 (0.1-2.1)	0.87 (0.12-6.23)		26	
	Low	29	67 283	2.2 (1.5-3.2)	3.64 (0.85-15.53)		32	
Lombardia	High	174	1 989 400	1.0 (0.9-1.1)	1		15	
	Medium	319	3 710 635	1.3 (1.2-1.5)	1.33 (1.11-1.61)		20	
	Low	1 984	4 972 897	2.1 (2.0-2.2)	2.16 (1.84-2.52)		36	
Bolzano	High	4	89 740	0.5 (0.2-1.3)	1		9	
	Medium	9	199 428	0.9 (0.4-1.6)	1.76 (0.53-5.82)		8	
	Low	45	223 412	1.1 (0.8-1.5)	2.24 (0.78-6.38)		20	
Trento	High	6	103 543	0.6 (0.3-1.3)	1			
	Medium	22	225 643	1.4 (0.9-2.1)	2.34 (0.94-5.80)		16	
	Low	86	225 141	1.9 (1.5-2.3)	3.11 (1.35-7.18)		38	
Veneto	High	56	833 402	0.8 (0.6-1.1)	1		14	
	Medium	104	1 680 237	1.4 (1.2-1.7)	1.72 (1.24-2.40)		21	
	Low	1 211	2 777 381	2.3 (2.1-2.4)	2.74 (2.09-3.61)		38	
Friuli Venezia Giulia	High	30	263 149	1.1 (0.8-1.6)	1		23	
	Medium	63	503 326	1.7 (1.3-2.1)	1.51 (0.97-2.34)		24	
	Low	265	612 209	2.2 (1.9-2.5)	1.97 (1.34-2.90)		50	
Liguria	High	60	405 013	1.2 (0.9-1.5)	1		21	
	Medium	113	661 034	1.9 (1.6-2.3)	1.65 (1.20-2.26)		36	
	Low	535	786 175	2.8 (2.6-3.1)	2.44 (1.86-3.21)		46	
Emilia-Romagna	High	131	982 490	1.6 (1.4-1.9)	1		28	
	Medium	141	1 657 944	1.6 (1.4-1.9)	0.99 (0.78-1.26)		31	
	Low	1 197	2 237 787	2.4 (2.3-2.6)	1.50 (1.24-1.80)		47	
Toscana	High	97	804 123	1.4 (1.1-1.7)	1		23	
	Medium	140	1 314 238	2.1 (1.8-2.5)	1.53 (1.18-2.00)		35	
	Low	1 303	2 057 570	2.9 (2.7-3.0)	2.09 (1.70-2.58)		48	
Umbria	High	15	205 592	0.9 (0.5-1.5)	1		16	
	Medium	16	325 316	1.2 (0.7-1.9)	1.31 (0.63-2.71)		21	
	Low	262	460 587	2.5 (2.1-2.8)	2.81 (1.64-4.81)		52	
Marche	High	33	323 451	1.3 (0.9-1.8)	1		22	
	Medium	39	519 041	1.7 (1.2-2.3)	1.30 (0.81-2.09)		27	
	Low	419	856 620	2.1 (1.9-2.3)	1.59 (1.11-2.28)		30	
Lazio	High	225	1 522 088	1.5 (1.4-1.8)	1		23	
	Medium	251	2 177 071	2.1 (1.9-2.4)	1.38 (1.15-1.66)		34	
	Low	1 605	2 438 459	3.4 (3.2-3.6)	2.19 (1.90-2.53)		57	
Abruzzo	High	40	286 014	1.9 (1.4-2.7)	1		43	
	Medium	38	435 854	2.2 (1.6-3.0)	1.12 (0.71-1.78)		47	
	Low	495	705 762	3.2 (2.9-3.5)	1.66 (1.19-2.31)		58	
Molise	High	8	6 3987	1.8 (0.9-3.7)	1		18	
	Medium	5	93 174	1.2 (0.5-3.1)	0.65 (0.20-2.14)		44	
	Low	136	182 398	3.4 (2.8-4.2)	1.87 (0.91-3.86)		92	
Campania	High	219	960 276	2.9 (2.6-3.4)	1		41	
	Medium	279	1 599 876	4.2 (3.7-4.7)	1.43 (1.19-1.71)		70	
	Low	3 332	3 283 605	7.2 (6.9-7.4)	2.44 (2.13-2.81)		130	
Puglia	High	97	646 788	2.2 (1.8-2.7)	1		26	
	Medium	125	1 066 681	2.9 (2.4-3.4)	1.29 (0.99-1.70)		51	
	Low	2 058	2 564 345	5.0 (4.8-5.2)	2.26 (1.84-2.79)		81	
Basilicata	High	12	99 340	1.8 (1.0-3.2)	1		55	
	Medium	13	170 598	2.4 (1.4-4.3)	1.37 (0.59-3.17)		45	
	Low	341	343 548	4.9 (4.4-5.5)	2.80 (1.52-5.16)		78	
Calabria	High	72	366 406	2.7 (2.1-3.4)	1		41	
	Medium	58	542 152	3.3 (2.5-4.3)	1.23 (0.86-1.75)		62	
	Low	1 105	1 124 577	5.6 (5.2-5.9)	2.09 (1.63-2.67)		103	
Sicilia	High	168	839 323	2.2 (1.9-2.5)	1		36	
	Medium	245	1 416 022	3.7 (3.3-4.2)	1.71 (1.40-2.09)		64	
	Low	3 025	2 963 827	6.5 (6.3-6.8)	2.99 (2.55-3.51)		119	
Sardegna	High	32	317 889	1.3 (0.9-1.9)	1		29	
	Medium	37	506 958	1.5 (1.1-2.1)	1.13 (0.69-1.85)		30	
	Low	421	991 152	2.6 (2.3-2.8)	1.93 (1.33-2.80)		48	
Italia	High	1 591	11 962 838	1.5 (1.5-1.6)	1		25	
	Medium	2 224	20 529 020	2.0 (1.9-2.1)	1.30 (1.22-1.39)		34	
	Low	21 123	32 289 567	3.5 (3.5-3.6)	2.30 (2.18-2.42)		64	



**DEMENTIA**  
ORGANIC DEMENTIA

**SMR.** Gli eccessi di mortalità sono marcati (del 21% nelle **DONNE** e del 27% negli **UOMINI** all'80° centile). Si segnala un eccesso in buona parte del Nord (soprattutto Piemonte, Veneto, Liguria) e delle isole (Sardegna meridionale e Sicilia occidentale, Trapani in particolare).

**PAF.** L'associazione tra basso titolo di studio e mortalità per demenza, con l'eccezione della Liguria (rischi sempre superiori al 25%), mostra pattern territoriali diversi per genere: eccessi nelle regioni adriatiche tra le **DONNE**, in Sicilia, nel Nord-Ovest e nell'area toscano-emiliana tra gli **UOMINI** (associazione inversa in Basilicata e Valle d'Aosta).

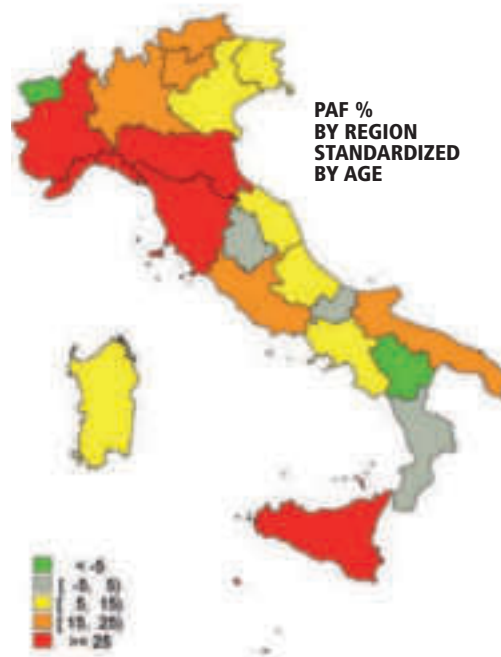
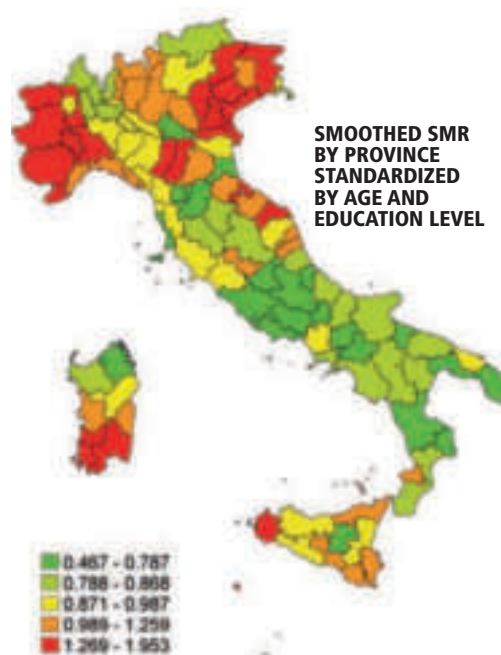
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	143	818 021	1.8 (1.5-2.2)	1		12	
	Medium	213	1 580 984	2.4 (2.1-2.7)	1.31 (1.05-1.62)		19	
	Low	794	2 065 138	3.0 (2.8-3.2)	1.63 (1.37-1.96)		22	
Valle d'Aosta	High	6	23 025	3.0 (1.3-6.8)	1		17	
	Medium	5	43 054	2.5 (1.0-6.2)	0.84 (0.25-2.83)		24	
	Low	20	63 600	2.7 (1.8-4.3)	0.91 (0.36-2.32)		15	
Lombardia	High	250	1 923 344	1.4 (1.3-1.6)	1		10	
	Medium	247	3 478 639	1.5 (1.3-1.7)	1.04 (0.87-1.25)		12	
	Low	912	4 387 573	2.0 (1.9-2.1)	1.38 (1.19-1.59)		14	
Bolzano	High	8	86 156	1.0 (0.5-2.0)	1		4	
	Medium	8	187 921	1.0 (0.5-2.1)	1.04 (0.38-2.81)		12	
	Low	40	208 018	1.7 (1.2-2.3)	1.67 (0.78-3.60)		9	
Trento	High	13	101 157	1.5 (0.9-2.6)	1		9	
	Medium	19	210 020	2.2 (1.4-3.5)	1.45 (0.71-2.97)		16	
	Low	39	202 879	1.5 (1.1-2.1)	1.01 (0.53-1.90)		13	
Veneto	High	161	840 505	2.4 (2.1-2.8)	1		15	
	Medium	159	1 783 406	2.5 (2.1-2.9)	1.02 (0.82-1.28)		16	
	Low	858	2 275 576	3.2 (3.0-3.4)	1.32 (1.11-1.56)		23	
Friuli Venezia Giulia	High	44	256 926	1.8 (1.3-2.4)	1		11	
	Medium	52	518 112	1.9 (1.4-2.5)	1.05 (0.70-1.58)		10	
	Low	154	482 532	2.4 (2.1-2.8)	1.35 (0.97-1.90)		14	
Liguria	High	67	359 649	1.5 (1.1-1.8)	1		10	
	Medium	89	602 274	2.1 (1.7-2.6)	1.43 (1.04-1.97)		15	
	Low	234	644 480	2.4 (2.1-2.7)	1.63 (1.24-2.15)		15	
Emilia-Romagna	High	123	864 484	1.7 (1.4-2.0)	1		11	
	Medium	176	1 582 791	2.5 (2.1-2.9)	1.46 (1.16-1.85)		14	
	Low	751	1 982 289	2.4 (2.3-2.6)	1.44 (1.18-1.74)		14	
Toscana	High	72	710 841	1.1 (0.9-1.4)	1		6	
	Medium	94	1 249 632	1.5 (1.2-1.8)	1.33 (0.98-1.82)		7	
	Low	443	1 772 636	1.7 (1.5-1.8)	1.51 (1.17-1.94)		8	
Umbria	High	27	180 175	1.9 (1.3-2.8)	1		7	
	Medium	25	342 532	1.9 (1.3-2.9)	0.99 (0.57-1.72)		5	
	Low	120	360 932	1.8 (1.5-2.1)	0.92 (0.61-1.41)		17	
Marche	High	47	287 273	1.9 (1.4-2.6)	1		15	
	Medium	43	538 873	2.1 (1.5-2.8)	1.07 (0.70-1.63)		6	
	Low	271	720 635	2.2 (2.0-2.5)	1.16 (0.84-1.58)		12	
Lazio	High	127	1 358 451	1.0 (0.8-1.2)	1		7	
	Medium	107	2 073 918	1.1 (0.9-1.4)	1.14 (0.87-1.48)		10	
	Low	333	1 968 190	1.4 (1.2-1.5)	1.35 (1.09-1.65)		11	
Abruzzo	High	29	254 990	1.5 (1.1-2.2)	1		9	
	Medium	33	468 140	1.9 (1.3-2.7)	1.24 (0.75-2.06)		16	
	Low	147	578 741	1.5 (1.3-1.8)	0.99 (0.66-1.48)		8	
Molise	High	6	56 815	1.4 (0.6-3.3)	1		17	
	Medium	6	103 063	1.6 (0.7-3.7)	1.12 (0.35-3.56)		12	
	Low	34	152 945	1.3 (1.0-1.9)	0.93 (0.39-2.23)		8	
Campania	High	96	909 229	1.5 (1.2-1.8)	1		8	
	Medium	96	1 717 812	1.4 (1.1-1.7)	0.97 (0.72-1.29)		11	
	Low	410	2 609 431	1.7 (1.5-1.9)	1.16 (0.93-1.46)		14	
Puglia	High	56	614 254	1.2 (0.9-1.6)	1		8	
	Medium	64	1 149 011	1.5 (1.2-1.9)	1.22 (0.85-1.75)		6	
	Low	388	2 086 918	1.6 (1.4-1.8)	1.31 (0.99-1.75)		10	
Basilicata	High	12	91 178	2.0 (1.1-3.5)	1		16	
	Medium	7	183 319	1.4 (0.7-3.0)	0.72 (0.28-1.86)		9	
	Low	76	291 033	1.6 (1.3-2.0)	0.80 (0.43-1.50)		6	
Calabria	High	32	325 325	1.3 (0.9-1.9)	1		16	
	Medium	21	593 842	1.1 (0.7-1.7)	0.80 (0.45-1.42)		7	
	Low	204	936 916	1.6 (1.4-1.8)	1.18 (0.81-1.73)		9	
Sicilia	High	99	767 785	1.6 (1.3-1.9)	1		12	
	Medium	133	1 434 675	2.4 (2.0-2.9)	1.56 (1.20-2.03)		13	
	Low	649	2 454 220	2.2 (2.0-2.4)	1.43 (1.15-1.76)		17	
Sardegna	High	31	247 778	1.9 (1.4-2.8)	1		9	
	Medium	41	484 814	1.9 (1.4-2.7)	0.99 (0.61-1.61)		21	
	Low	244	945 577	2.4 (2.2-2.8)	1.26 (0.86-1.84)		22	
Italia	High	1 449	11 077 356	1.5 (1.4-1.6)	1		10	
	Medium	1 638	20 326 825	1.8 (1.7-1.9)	1.20 (1.12-1.29)		12	
	Low	7 121	27 190 254	2.1 (2.0-2.1)	1.38 (1.31-1.46)		14	



**UOMINI**  
MEN

**ETÀ 30-89**  
AGE 30-89



**DEMENTIA**  
ORGANIC DEMENTIA



**SMR.** Excess mortality is considerable (21% in **WOMEN** and 27% in **MEN** at the 80<sup>th</sup> centile). The excess is seen mostly in the North (especially Piemonte, Veneto, Liguria) and in the Islands (Southern Sardegna and Western Sicilia, Trapani in particular).

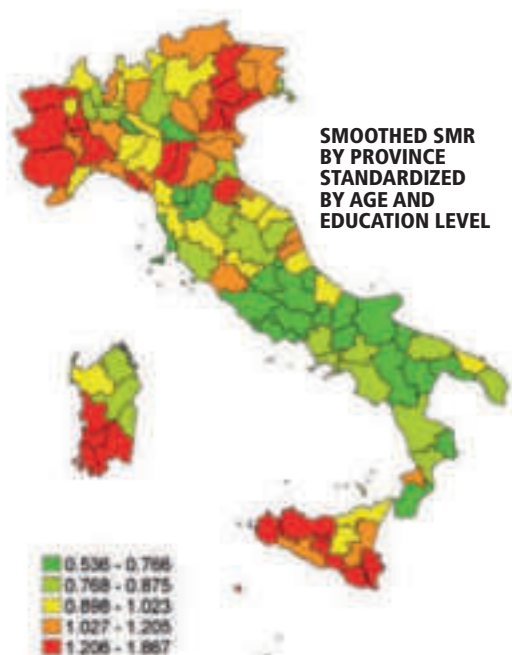
**PAF.** The association between low education level and mortality for dementia shows different area patterns between **MEN** and **WOMEN**, with the exception of Liguria (risks always over 25%). **WOMEN:** excesses are seen in the Adriatic coast regions. **MEN:** in NorthWestern Sicilia and the Toscana-Emilia area (an inverse association in Basilicata and Valle d'Aosta).



**DONNE**  
**WOMEN**

**ETÀ 30-89**  
**AGE 30-89**

**SMOOTHED SMR BY PROVINCE STANDARDIZED BY AGE AND EDUCATION LEVEL**



**PAF % BY REGION STANDARDIZED BY AGE**



2012-2014								
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	158	836 082	2.1 (1.8-2.4)	1		10	
	Medium	238	1 676 727	2.1 (1.8-2.4)	1.02 (0.83-1.24)		12	
	Low	1 495	2 414 836	2.6 (2.5-2.7)	1.26 (1.07-1.49)		14	
Valle d'Aosta	High	7	24 747	4.0 (1.9-8.4)	1		39	
	Medium	9	47 069	3.0 (1.6-5.8)	0.75 (0.28-2.02)		26	
	Low	57	67 283	3.7 (2.8-4.8)	0.92 (0.41-2.02)		22	
Lombardia	High	205	1 989 400	1.2 (1.0-1.3)	1		5	
	Medium	319	3 710 635	1.4 (1.2-1.5)	1.16 (0.97-1.38)		7	
	Low	1 884	4 972 897	1.7 (1.7-1.8)	1.49 (1.29-1.72)		10	
Bolzano	High	12	89 740	1.5 (0.8-2.6)	1		0	
	Medium	12	199 428	1.1 (0.7-2.0)	0.78 (0.35-1.74)		6	
	Low	113	223 412	2.3 (1.9-2.8)	1.58 (0.87-2.88)		14	
Trento	High	14	103 543	1.6 (1.0-2.8)	1		11	
	Medium	16	225 643	1.0 (0.6-1.7)	0.64 (0.31-1.32)		6	
	Low	102	225 141	1.7 (1.4-2.1)	1.06 (0.60-1.88)		10	
Veneto	High	121	833 402	1.8 (1.5-2.2)	1		9	
	Medium	150	1 680 237	2.2 (1.9-2.6)	1.21 (0.95-1.54)		13	
	Low	1 585	2 777 381	2.5 (2.4-2.7)	1.39 (1.15-1.67)		13	
Friuli Venezia Giulia	High	41	263 149	1.6 (1.2-2.2)	1		7	
	Medium	63	503 326	1.7 (1.3-2.2)	1.08 (0.72-1.60)		11	
	Low	319	612 209	2.0 (1.8-2.2)	1.26 (0.90-1.74)		13	
Liguria	High	56	405 013	1.1 (0.8-1.4)	1		6	
	Medium	113	661 034	1.9 (1.6-2.3)	1.76 (1.27-2.43)		15	
	Low	482	786 175	2.1 (1.9-2.3)	1.96 (1.49-2.60)		10	
Emilia-Romagna	High	134	982 490	1.7 (1.4-2.0)	1		8	
	Medium	150	1 657 944	2.0 (1.7-2.3)	1.16 (0.91-1.46)		11	
	Low	1 378	2 237 787	2.2 (2.1-2.3)	1.31 (1.09-1.57)		10	
Toscana	High	76	804 123	1.1 (0.9-1.4)	1		8	
	Medium	86	1 314 238	1.4 (1.1-1.7)	1.27 (0.93-1.73)		8	
	Low	861	2 057 570	1.6 (1.4-1.7)	1.40 (1.11-1.78)		8	
Umbria	High	23	205 592	1.5 (1.0-2.2)	1		9	
	Medium	11	325 316	0.9 (0.5-1.6)	0.62 (0.30-1.27)		1	
	Low	224	460 587	1.6 (1.4-1.8)	1.07 (0.69-1.65)		9	
Marche	High	32	323 451	1.3 (0.9-1.8)	1		11	
	Medium	36	519 041	1.7 (1.2-2.4)	1.36 (0.84-2.20)		7	
	Low	440	856 620	1.8 (1.7-2.0)	1.45 (1.01-2.08)		8	
Lazio	High	143	1 522 088	1.0 (0.9-1.2)	1		5	
	Medium	120	2 177 071	1.1 (0.9-1.3)	1.10 (0.86-1.40)		5	
	Low	729	2 438 459	1.3 (1.2-1.4)	1.32 (1.10-1.58)		7	
Abruzzo	High	23	286 014	1.1 (0.8-1.7)	1		6	
	Medium	25	435 854	1.8 (1.2-2.7)	1.57 (0.89-2.77)		6	
	Low	289	705 762	1.5 (1.4-1.7)	1.35 (0.88-2.06)		6	
Molise	High	3	63 987	0.7 (0.2-2.2)	1		5	
	Medium	0	93 174	0.0				
	Low	69	182 398	1.4 (1.1-1.8)	2.01 (0.63-6.43)		6	
Campania	High	87	960 276	1.2 (1.0-1.5)	1		7	
	Medium	94	1 599 876	1.6 (1.3-1.9)	1.32 (0.98-1.77)		11	
	Low	806	3 283 605	1.5 (1.4-1.6)	1.28 (1.02-1.60)		9	
Puglia	High	34	646 788	0.8 (0.6-1.1)	1		7	
	Medium	64	1 066 681	1.7 (1.3-2.1)	2.11 (1.39-3.20)		7	
	Low	732	2 564 345	1.6 (1.5-1.7)	1.99 (1.41-2.82)		7	
Basilicata	High	8	99 340	1.4 (0.7-2.9)	1		12	
	Medium	4	170 598	1.0 (0.4-2.5)	0.67 (0.20-2.25)		11	
	Low	104	343 548	1.3 (1.1-1.6)	0.90 (0.43-1.87)		5	
Calabria	High	29	366 406	1.2 (0.8-1.7)	1		9	
	Medium	26	542 152	1.7 (1.1-2.5)	1.42 (0.83-2.43)		12	
	Low	359	1 124 577	1.5 (1.4-1.7)	1.28 (0.87-1.87)		7	
Sicilia	High	138	839 323	1.9 (1.6-2.2)	1		12	
	Medium	118	1 416 022	2.0 (1.7-2.4)	1.07 (0.83-1.37)		11	
	Low	1 246	2 963 827	2.3 (2.2-2.5)	1.23 (1.03-1.47)		13	
Sardegna	High	35	317 889	1.7 (1.2-2.3)	1		9	
	Medium	49	506 958	2.4 (1.8-3.2)	1.47 (0.95-2.27)		15	
	Low	434	991 152	2.3 (2.1-2.5)	1.37 (0.97-1.94)		11	
Italia	High	1 379	11 962 838	1.4 (1.3-1.4)	1		8	
	Medium	1 703	20 529 020	1.6 (1.6-1.7)	1.20 (1.12-1.29)		9	
	Low	13 708	32 289 567	1.9 (1.9-1.9)	1.40 (1.32-1.48)		10	



# MORBO DI PARKINSON

## PARKINSON'S DISEASE

**SMR.** Si osservano eccessi di mortalità moderati (del 9% nelle donne e dell'8% negli uomini all'80° centile). Gli eccessi si concentrano nel Nord-Ovest (eccetto, tra le **DONNE**, Milano), in Puglia e Basilicata (soprattutto tra gli **UOMINI**), e in Sicilia occidentale (Trapani in particolare). **UOMINI:** si segnala un eccesso a Viterbo e Grosseto. **DONNE:** si segnala un eccesso a Viterbo, Olbia e Prato.

**PAF.** Il più basso livello di istruzione è generalmente protettivo, in particolare tra gli **UOMINI**; **DONNE:** si osservano PAF superiori al 25% solo in regioni poco popolate, come Valle d'Aosta, Molise, Basilicata e nella Provincia autonoma di Bolzano.

2012-2014

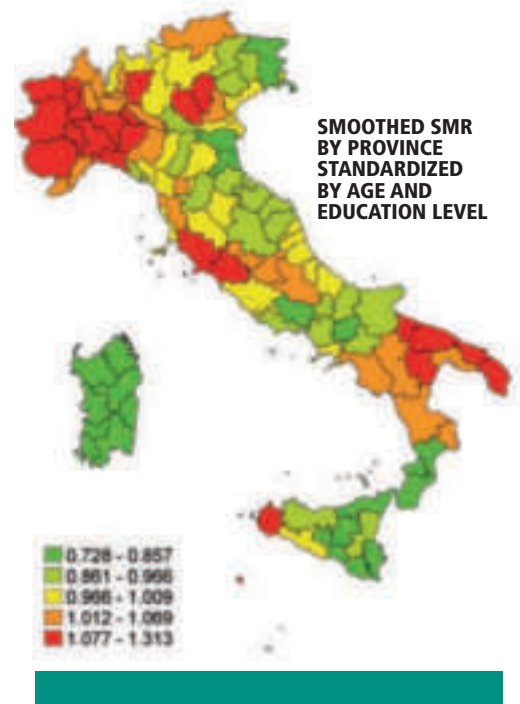
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	150	818 021	1.9 (1.6-2.2)	1	18
	Medium	153	1 580 984	1.5 (1.3-1.8)	0.83 (0.66-1.05)	20
	Low	361	2 065 138	1.4 (1.2-1.5)	0.73 (0.60-0.88)	14
Valle d'Aosta	High	4	23 025	1.7 (0.6-4.5)	1	18
	Medium	1	43 054	0.2 (0.0-1.6)	0.13 (0.01-1.20)	14
	Low	4	63 600	0.6 (0.2-1.5)	0.33 (0.08-1.34)	5
Lombardia	High	240	1 923 344	1.3 (1.1-1.5)	1	15
	Medium	236	3 478 639	1.4 (1.2-1.5)	1.04 (0.87-1.25)	15
	Low	586	4 387 573	1.3 (1.2-1.4)	0.96 (0.83-1.12)	13
Bolzano	High	10	86 156	1.2 (0.6-2.2)	1	9
	Medium	12	187 921	1.5 (0.8-2.7)	1.25 (0.53-2.94)	22
	Low	33	208 018	1.4 (1.0-2.0)	1.16 (0.57-2.38)	15
Trento	High	13	101 157	1.5 (0.9-2.7)	1	13
	Medium	10	210 020	1.1 (0.6-2.1)	0.72 (0.31-1.65)	12
	Low	30	202 879	1.2 (0.8-1.7)	0.75 (0.39-1.45)	10
Veneto	High	118	840 505	1.7 (1.4-2.0)	1	21
	Medium	92	1 783 406	1.3 (1.1-1.6)	0.77 (0.58-1.02)	14
	Low	339	2 275 576	1.2 (1.1-1.4)	0.73 (0.59-0.91)	14
Friuli Venezia Giulia	High	29	256 926	1.1 (0.8-1.6)	1	11
	Medium	25	518 112	0.8 (0.5-1.2)	0.70 (0.41-1.21)	12
	Low	55	482 532	0.9 (0.7-1.2)	0.78 (0.49-1.23)	9
Liguria	High	75	359 649	1.6 (1.3-2.0)	1	16
	Medium	45	602 274	1.0 (0.7-1.3)	0.62 (0.43-0.89)	10
	Low	116	644 480	1.2 (1.0-1.4)	0.73 (0.55-0.98)	11
Emilia-Romagna	High	116	864 484	1.5 (1.3-1.8)	1	18
	Medium	77	1 582 791	1.0 (0.8-1.2)	0.64 (0.48-0.86)	11
	Low	320	1 982 289	1.1 (1.0-1.2)	0.70 (0.57-0.87)	11
Toscana	High	88	710 841	1.3 (1.0-1.6)	1	13
	Medium	92	1 249 632	1.4 (1.1-1.7)	1.07 (0.80-1.44)	11
	Low	319	1 772 636	1.2 (1.1-1.4)	0.97 (0.77-1.24)	13
Umbria	High	14	180 175	1.0 (0.6-1.6)	1	7
	Medium	14	342 532	0.9 (0.5-1.6)	0.95 (0.44-2.04)	11
	Low	84	360 932	1.3 (1.0-1.6)	1.33 (0.75-2.36)	11
Marche	High	30	287 273	1.2 (0.8-1.7)	1	14
	Medium	25	538 873	1.1 (0.8-1.7)	0.93 (0.54-1.59)	8
	Low	130	720 635	1.1 (0.9-1.3)	0.93 (0.62-1.39)	11
Lazio	High	183	1 358 451	1.4 (1.2-1.6)	1	17
	Medium	140	2 073 918	1.4 (1.2-1.7)	1.00 (0.80-1.25)	14
	Low	278	1 968 190	1.1 (1.0-1.3)	0.81 (0.67-0.98)	12
Abruzzo	High	23	254 990	1.2 (0.8-1.8)	1	10
	Medium	26	468 140	1.5 (1.0-2.2)	1.27 (0.71-2.25)	13
	Low	123	578 741	1.3 (1.1-1.5)	1.08 (0.69-1.70)	9
Molise	High	5	56 815	1.3 (0.5-3.1)	1	8
	Medium	5	103 063	1.4 (0.5-3.4)	1.03 (0.29-3.67)	9
	Low	28	152 945	1.1 (0.8-1.7)	0.86 (0.33-2.25)	15
Campania	High	99	909 229	1.4 (1.1-1.7)	1	17
	Medium	97	1 717 812	1.3 (1.0-1.6)	0.91 (0.68-1.22)	14
	Low	264	2 609 431	1.1 (1.0-1.2)	0.78 (0.62-0.99)	14
Puglia	High	80	614 254	1.7 (1.3-2.1)	1	18
	Medium	60	1 149 011	1.3 (1.0-1.6)	0.75 (0.53-1.06)	12
	Low	342	2 086 918	1.4 (1.3-1.6)	0.85 (0.67-1.09)	17
Basilicata	High	6	91 178	0.9 (0.4-2.1)	1	7
	Medium	3	183 319	0.4 (0.1-1.2)	0.39 (0.09-1.68)	10
	Low	67	291 033	1.5 (1.1-1.9)	1.60 (0.66-3.84)	15
Calabria	High	29	325 325	1.2 (0.8-1.7)	1	14
	Medium	22	593 842	1.0 (0.6-1.5)	0.85 (0.48-1.51)	9
	Low	134	936 916	1.1 (0.9-1.3)	0.94 (0.62-1.42)	15
Sicilia	High	86	767 785	1.2 (1.0-1.5)	1	14
	Medium	88	1 434 675	1.4 (1.1-1.7)	1.11 (0.82-1.51)	16
	Low	290	2 454 220	1.0 (0.9-1.1)	0.82 (0.64-1.05)	13
Sardegna	High	26	247 778	1.4 (0.9-2.1)	1	15
	Medium	27	484 814	1.1 (0.7-1.6)	0.80 (0.45-1.40)	19
	Low	90	945 577	0.9 (0.7-1.1)	0.65 (0.42-1.03)	11
Italia	High	1 424	11 077 356	1.4 (1.3-1.5)	1	16
	Medium	1 250	20 326 825	1.3 (1.2-1.3)	0.89 (0.83-0.96)	14
	Low	3 993	27 190 254	1.2 (1.2-1.2)	0.84 (0.79-0.89)	13



### UOMINI

#### MEN

ETÀ 30-89  
AGE 30-89



# MORBO DI PARKINSON

## PARKINSON'S DISEASE



**SMR.** Excess mortality is moderate (9% in **WOMEN** and 8% in **MEN** at the 80<sup>th</sup> centile). Excess is concentrated in the NorthWest (except in Milan, for **WOMEN**), in Puglia and Basilicata (especially for **MEN**) and in Western Sicily (particularly in Trapani). An excess in Viterbo is of note, as is the excess among **MEN** in Grosseto and among **WOMEN** in Olbia and Prato.

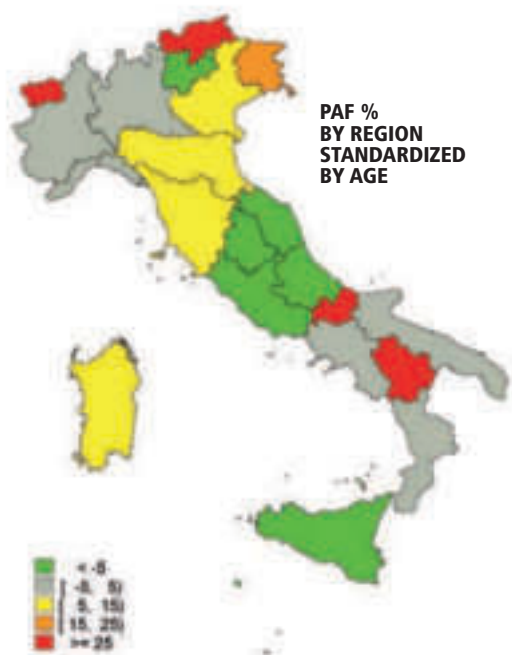
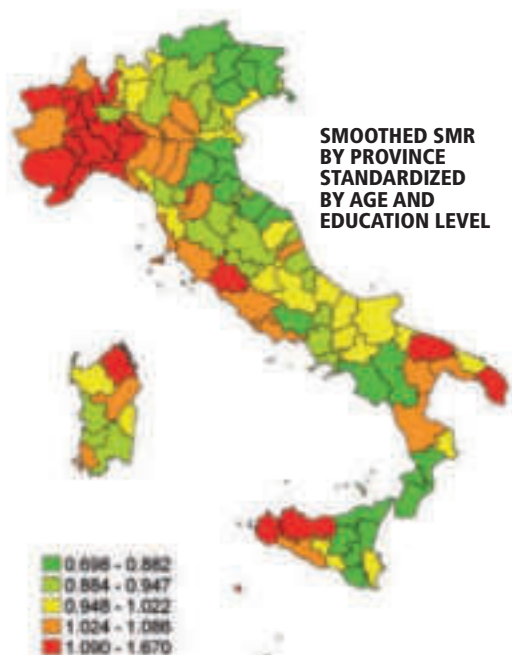
**PAF.** Low education level is generally protective, particularly among **MEN**; **WOMEN**: PAF over 25% are seen only in regions with low population density, such as Valle d'Aosta, Bolzano, Molise and Basilicata.



### DONNE

#### WOMEN

**ETÀ 30-89**  
**AGE 30-89**



2012-2014								
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	55	836 082	0.7 (0.6-1.0)	1		5	
	Medium	91	1 676 727	0.8 (0.6-1.0)	1.06 (0.75-1.48)		6	
Valle d'Aosta	Low	412	2 414 836	0.8 (0.7-0.9)	1.06 (0.80-1.41)		8	
	High	1	24 747	0.6 (0.1-4.2)	1			
Lombardia	Medium	4	47 069	1.4 (0.5-3.6)	2.30 (0.26-20.63)		8	
	Low	7	67 283	0.6 (0.2-1.3)	0.96 (0.11-8.01)		6	
Bolzano	High	115	1 989 400	0.7 (0.6-0.8)	1		7	
	Medium	160	3 710 635	0.7 (0.6-0.8)	1.03 (0.81-1.31)		8	
Trento	Low	624	4 972 897	0.6 (0.6-0.7)	0.94 (0.77-1.15)		6	
	High	2	89 740	0.2 (0.1-0.9)	1		4	
Veneto	Medium	4	199 428	0.4 (0.1-1.0)	1.76 (0.32-9.71)		4	
	Low	24	223 412	0.5 (0.3-0.8)	2.33 (0.55-9.99)		3	
Friuli Venezia Giulia	High	6	103 543	0.8 (0.3-1.8)	1		12	
	Medium	5	225 643	0.3 (0.1-0.8)	0.41 (0.12-1.36)		2	
Liguria	Low	28	225 141	0.5 (0.4-0.8)	0.66 (0.27-1.61)		4	
	High	35	833 402	0.5 (0.4-0.8)	1		5	
Emilia-Romagna	Medium	42	1 680 237	0.6 (0.4-0.8)	1.09 (0.70-1.72)		4	
	Low	332	2 777 381	0.6 (0.5-0.7)	1.07 (0.75-1.52)		6	
Toscana	High	10	263 149	0.4 (0.2-0.7)	1		3	
	Medium	22	503 326	0.6 (0.4-0.9)	1.49 (0.70-3.17)		9	
Umbria	Low	72	612 209	0.5 (0.4-0.6)	1.23 (0.63-2.41)		4	
	High	34	405 013	0.7 (0.5-0.9)	1		9	
Marche	Medium	38	661 034	0.6 (0.5-0.9)	0.94 (0.59-1.49)		4	
	Low	149	786 175	0.7 (0.6-0.9)	1.09 (0.74-1.60)		8	
Lazio	High	34	982 490	0.4 (0.3-0.6)	1		4	
	Medium	37	1 657 944	0.5 (0.3-0.6)	1.02 (0.64-1.64)		5	
Abruzzo	Low	311	2 237 787	0.6 (0.5-0.7)	1.32 (0.92-1.89)		7	
	High	39	804 123	0.6 (0.4-0.8)	1		4	
Molise	Medium	42	1 314 238	0.7 (0.5-0.9)	1.19 (0.77-1.85)		7	
	Low	315	2 057 570	0.6 (0.5-0.7)	1.08 (0.78-1.52)		4	
Campania	High	12	205 592	0.8 (0.5-1.4)	1		5	
	Medium	4	325 316	0.3 (0.1-0.8)	0.37 (0.12-1.18)		3	
Puglia	Low	71	460 587	0.6 (0.4-0.7)	0.70 (0.38-1.30)		4	
	High	17	323 451	0.7 (0.4-1.1)	1		8	
Basilicata	Medium	5	519 041	0.2 (0.1-0.5)	0.33 (0.12-0.91)		3	
	Low	126	856 620	0.6 (0.5-0.7)	0.87 (0.52-1.46)		5	
Sicilia	High	104	1 522 088	0.7 (0.6-0.9)	1		9	
	Medium	72	2 177 071	0.6 (0.5-0.8)	0.87 (0.65-1.18)		7	
Sardegna	Low	319	2 438 459	0.6 (0.6-0.7)	0.87 (0.69-1.08)		6	
	High	14	286 014	0.7 (0.4-1.2)	1		8	
Calabria	Medium	4	435 854	0.2 (0.1-0.7)	0.34 (0.11-1.11)		2	
	Low	102	705 762	0.6 (0.5-0.8)	0.89 (0.51-1.57)		7	
Sicilia	High	2	63 987	0.4 (0.1-1.7)	1		6	
	Medium	4	93 174	1.4 (0.5-3.8)	3.36 (0.61-18.39)		8	
Sicilia	Low	21	182 398	0.5 (0.3-0.7)	1.10 (0.26-4.76)		4	
	High	41	960 276	0.6 (0.4-0.8)	1		6	
Sicilia	Medium	41	1 599 876	0.6 (0.5-0.9)	1.12 (0.72-1.73)		8	
	Low	280	3 283 605	0.6 (0.5-0.6)	0.98 (0.71-1.37)		6	
Sicilia	High	30	646 788	0.7 (0.5-1.0)	1		11	
	Medium	30	1 066 681	0.7 (0.5-1.1)	1.07 (0.64-1.79)		8	
Sicilia	Low	295	2 564 345	0.7 (0.6-0.8)	0.98 (0.67-1.43)		6	
	High	1	99 340	0.2 (0.0-1.3)	1		2	
Sicilia	Medium	2	170 598	0.6 (0.1-2.2)	2.96 (0.27-32.61)		10	
	Low	40	343 548	0.6 (0.4-0.8)	3.05 (0.42-22.24)		10	
Sicilia	High	16	366 406	0.7 (0.4-1.1)	1		2	
	Medium	13	542 152	0.8 (0.5-1.4)	1.26 (0.60-2.65)		10	
Sicilia	Low	124	1 124 577	0.6 (0.5-0.7)	0.88 (0.52-1.50)		7	
	High	52	839 323	0.7 (0.5-0.9)	1		9	
Sicilia	Medium	41	1 416 022	0.7 (0.5-0.9)	0.95 (0.63-1.44)		7	
	Low	278	2 963 827	0.6 (0.5-0.6)	0.80 (0.59-1.08)		8	
Sicilia	High	10	317 889	0.5 (0.3-0.9)	1		4	
	Medium	11	506 958	0.5 (0.3-0.9)	0.98 (0.41-2.35)		9	
Sicilia	Low	113	991 152	0.6 (0.5-0.8)	1.30 (0.67-2.50)		6	
	High	630	11 962 838	0.6 (0.6-0.7)	1		7	
Sicilia	Medium	672	20 529 020	0.6 (0.6-0.7)	1.00 (0.90-1.12)		7	
	Low	4043	32 289 567	0.6 (0.6-0.6)	0.98 (0.90-1.07)		6	



# MALATTIA DI ALZHEIMER

## ALZHEIMER'S DISEASE

**SMR.** Si registra una distribuzione piuttosto irregolare, con differenziali 4 volte più elevati nelle province oltre l'80° centile rispetto a quelle che sono entro il 20° centile della distribuzione degli SMR. Si può ipotizzare che tali differenze siano dovute a cambiamenti nella codifica che nella prima decade del XXI secolo hanno portato a un brusco aumento della mortalità, distribuita in modo non omogeneo nel Paese.

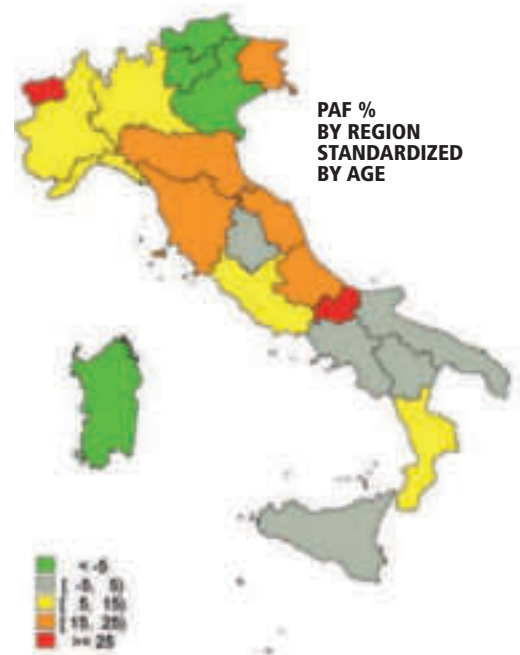
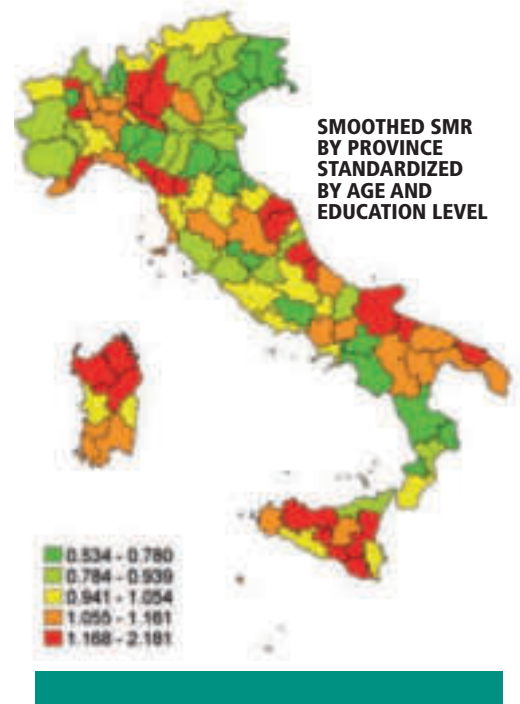
**PAF.** Si registrano PAF bassi e con pattern diversi per **UOMINI** e **DONNE**.

2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	110	818 021	1.3 (1.1-1.6)	1	13
	Medium	147	1 580 984	1.5 (1.3-1.8)	1.17 (0.91-1.50)	19
	Low	367	2 065 138	1.4 (1.2-1.5)	1.04 (0.84-1.30)	15
Valle d'Aosta	High	2	23 025	1.1 (0.3-4.3)	1	7
	Medium	5	43 054	2.7 (1.1-6.7)	2.53 (0.48-13.26)	15
	Low	13	63 600	1.9 (1.1-3.3)	1.74 (0.39-7.75)	20
Lombardia	High	307	1 923 344	1.7 (1.5-1.9)	1	16
	Medium	325	3 478 639	1.9 (1.7-2.1)	1.10 (0.94-1.29)	18
	Low	855	4 387 573	1.8 (1.7-2.0)	1.06 (0.93-1.21)	17
Bolzano	High	18	86 156	2.0 (1.3-3.3)	1	25
	Medium	18	187 921	2.1 (1.3-3.4)	1.03 (0.53-2.01)	34
	Low	35	208 018	1.5 (1.1-2.1)	0.73 (0.41-1.30)	12
Trento	High	14	101 157	1.7 (1.0-2.8)	1	15
	Medium	16	210 020	1.7 (1.1-2.9)	1.04 (0.51-2.15)	20
	Low	28	202 879	1.1 (0.8-1.6)	0.66 (0.35-1.26)	13
Veneto	High	110	840 505	1.6 (1.3-1.9)	1	14
	Medium	105	1 783 406	1.5 (1.2-1.8)	0.95 (0.72-1.25)	16
	Low	391	2 275 576	1.4 (1.3-1.6)	0.91 (0.73-1.13)	14
Friuli Venezia Giulia	High	21	256 926	0.8 (0.5-1.3)	1	7
	Medium	33	518 112	1.1 (0.7-1.5)	1.30 (0.75-2.27)	15
	Low	59	482 532	1.0 (0.8-1.3)	1.19 (0.72-1.97)	12
Liguria	High	81	359 649	1.8 (1.4-2.2)	1	18
	Medium	82	602 274	1.8 (1.4-2.2)	1.02 (0.75-1.39)	22
	Low	200	644 480	2.1 (1.8-2.4)	1.16 (0.89-1.51)	20
Emilia-Romagna	High	72	864 484	0.9 (0.7-1.2)	1	11
	Medium	95	1 582 791	1.2 (1.0-1.5)	1.30 (0.95-1.77)	13
	Low	332	1 982 289	1.1 (1.0-1.3)	1.20 (0.92-1.55)	11
Toscana	High	98	710 841	1.4 (1.2-1.8)	1	12
	Medium	142	1 249 632	2.1 (1.8-2.5)	1.46 (1.12-1.89)	20
	Low	482	1 772 636	1.9 (1.7-2.1)	1.30 (1.05-1.63)	19
Umbria	High	25	180 175	1.6 (1.0-2.3)	1	17
	Medium	21	342 532	1.5 (0.9-2.3)	0.94 (0.52-1.72)	12
	Low	109	360 932	1.6 (1.3-2.0)	1.05 (0.67-1.65)	17
Marche	High	36	287 273	1.4 (1.0-2.0)	1	15
	Medium	32	538 873	1.3 (0.9-1.9)	0.90 (0.55-1.47)	19
	Low	257	720 635	2.1 (1.9-2.4)	1.47 (1.03-2.09)	14
Lazio	High	182	1 358 451	1.4 (1.2-1.6)	1	13
	Medium	159	2 073 918	1.5 (1.3-1.8)	1.09 (0.88-1.36)	20
	Low	389	1 968 190	1.6 (1.5-1.8)	1.14 (0.95-1.36)	20
Abruzzo	High	34	254 990	1.7 (1.2-2.4)	1	15
	Medium	46	468 140	2.7 (2.0-3.6)	1.55 (0.99-2.44)	21
	Low	201	578 741	2.1 (1.8-2.4)	1.22 (0.84-1.76)	16
Molise	High	2	56 815	0.4 (0.1-1.6)	1	10
	Medium	7	103 063	1.7 (0.8-3.7)	4.25 (0.85-21.22)	23
	Low	40	152 945	1.7 (1.2-2.3)	4.13 (0.98-17.49)	25
Campania	High	120	909 229	1.7 (1.4-2.0)	1	18
	Medium	126	1 717 812	1.6 (1.4-2.0)	0.98 (0.75-1.27)	21
	Low	377	2 609 431	1.5 (1.4-1.7)	0.92 (0.75-1.14)	19
Puglia	High	100	614 254	2.1 (1.7-2.6)	1	18
	Medium	107	1 149 011	2.2 (1.8-2.7)	1.04 (0.78-1.37)	21
	Low	484	2 086 918	2.0 (1.8-2.2)	0.94 (0.76-1.17)	20
Basilicata	High	15	91 178	2.3 (1.4-3.9)	1	29
	Medium	19	183 319	3.0 (1.9-4.9)	1.32 (0.65-2.66)	43
	Low	78	291 033	1.7 (1.4-2.2)	0.76 (0.43-1.33)	21
Calabria	High	31	325 325	1.3 (0.9-1.8)	1	15
	Medium	26	593 842	1.2 (0.8-1.8)	0.94 (0.54-1.61)	14
	Low	180	936 916	1.4 (1.2-1.7)	1.15 (0.78-1.69)	17
Sicilia	High	133	767 785	2.0 (1.7-2.3)	1	22
	Medium	131	1 434 675	2.0 (1.7-2.4)	1.03 (0.80-1.32)	24
	Low	549	2 454 220	1.9 (1.7-2.1)	0.97 (0.80-1.17)	22
Sardegna	High	44	247 778	2.5 (1.8-3.4)	1	20
	Medium	57	484 814	2.8 (2.1-3.7)	1.13 (0.75-1.70)	21
	Low	208	945 577	2.1 (1.8-2.4)	0.84 (0.60-1.18)	22
Italia	High	1555	11 077 356	1.6 (1.5-1.6)	1	15
	Medium	1699	20 326 825	1.7 (1.7-1.8)	1.11 (1.04-1.19)	19
	Low	5634	27 190 254	1.7 (1.6-1.7)	1.07 (1.01-1.14)	17

**UOMINI**  
MEN

**ETÀ 30-89**  
AGE 30-89





# MALATTIA DI ALZHEIMER

## ALZHEIMER'S DISEASE



**SMR.** A rather irregular distribution characterises mortality for Alzheimer's disease, with differentials up to 4 times higher in the provinces above the 80<sup>th</sup> centile than in those below the 20<sup>th</sup> centile in SMR distribution. It can be hypothesised that these differences are the result of the change in coding, which led to a brusque increase in mortality due to Alzheimer's disease in the first decade of the 21<sup>st</sup> century that may not be homogenous throughout the Country.

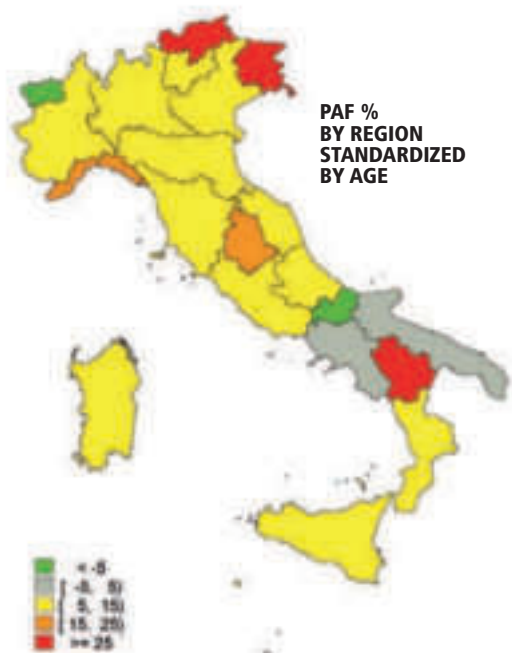
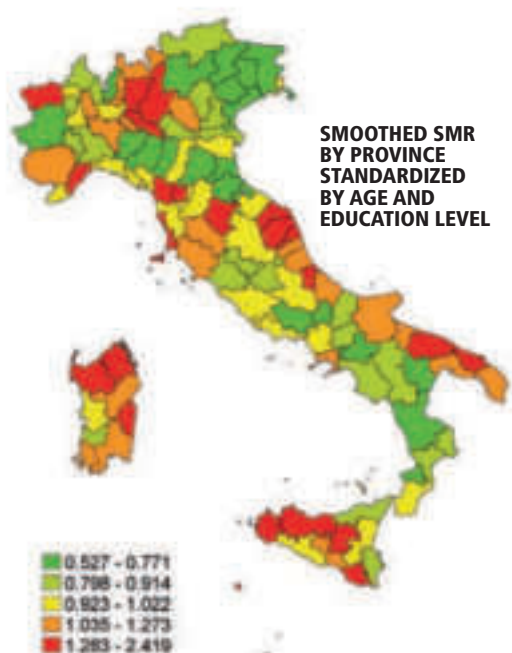
**PAF.** For Alzheimer's disease, PAF are low, with different patterns for **MEN** and **WOMEN**.



### DONNE

#### WOMEN

**ETÀ 30-89**  
**AGE 30-89**



2012-2014							
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS	
				RATE x10 000 (95%CI)	MMR (95%CI)	STAND. YLL	
Piemonte	High	104	836 082	1.4 (1.2-1.7)	1	13	
	Medium	175	1 676 727	1.5 (1.3-1.7)	1.06 (0.83-1.36)	17	
	Low	805	2 414 836	1.5 (1.4-1.7)	1.09 (0.89-1.35)	17	
Valle d'Aosta	High	5	24 747	3.0 (1.3-7.3)	1	25	
	Medium	6	47 069	2.0 (0.9-4.4)	0.65 (0.20-2.15)	27	
	Low	38	67 283	2.6 (1.9-3.7)	0.87 (0.34-2.23)	22	
Lombardia	High	303	1 989 400	1.7 (1.6-2.0)	1	13	
	Medium	411	3 710 635	1.8 (1.6-1.9)	1.01 (0.87-1.17)	15	
	Low	2045	4 972 897	2.0 (1.9-2.1)	1.17 (1.03-1.32)	19	
Bolzano	High	8	89 740	0.9 (0.5-1.9)	1	8	
	Medium	16	199 428	1.5 (0.9-2.4)	1.61 (0.68-3.78)	13	
	Low	69	223 412	1.5 (1.2-1.9)	1.60 (0.76-3.37)	10	
Trento	High	10	103 543	1.0 (0.5-1.8)	1	4	
	Medium	15	225 643	1.0 (0.6-1.7)	1.03 (0.46-2.31)	7	
	Low	71	225 141	1.3 (1.0-1.7)	1.38 (0.71-2.69)	14	
Veneto	High	80	833 402	1.2 (1.0-1.5)	1	10	
	Medium	103	1 680 237	1.5 (1.2-1.8)	1.19 (0.88-1.59)	13	
	Low	847	2 777 381	1.5 (1.4-1.6)	1.19 (0.94-1.50)	14	
Friuli Venezia Giulia	High	18	263 149	0.7 (0.4-1.1)	1	6	
	Medium	49	503 326	1.3 (1.0-1.7)	1.88 (1.09-3.23)	17	
	Low	175	612 209	1.1 (1.0-1.3)	1.61 (0.99-2.63)	8	
Liguria	High	83	405 013	1.6 (1.3-1.9)	1	14	
	Medium	112	661 034	1.9 (1.6-2.3)	1.21 (0.91-1.61)	18	
	Low	401	786 175	2.0 (1.8-2.2)	1.25 (0.98-1.59)	21	
Emilia-Romagna	High	82	982 490	1.0 (0.8-1.3)	1	11	
	Medium	94	1 657 944	1.2 (1.0-1.5)	1.17 (0.87-1.57)	11	
	Low	665	2 237 787	1.1 (1.1-1.2)	1.13 (0.89-1.42)	10	
Toscana	High	121	804 123	1.7 (1.4-2.1)	1	14	
	Medium	117	1 314 238	1.9 (1.6-2.2)	1.08 (0.83-1.39)	20	
	Low	1064	2 057 570	2.0 (1.9-2.2)	1.18 (0.98-1.43)	17	
Umbria	High	20	205 592	1.2 (0.8-1.9)	1	12	
	Medium	21	325 316	1.7 (1.1-2.7)	1.40 (0.76-2.60)	12	
	Low	211	460 587	1.6 (1.4-1.8)	1.27 (0.80-2.03)	10	
Marche	High	52	323 451	2.1 (1.6-2.8)	1	12	
	Medium	52	519 041	2.4 (1.9-3.2)	1.16 (0.79-1.71)	23	
	Low	485	856 620	2.2 (2.0-2.4)	1.04 (0.78-1.39)	17	
Lazio	High	193	1 522 088	1.4 (1.2-1.6)	1	14	
	Medium	179	2 177 071	1.6 (1.4-1.9)	1.18 (0.96-1.45)	17	
	Low	838	2 438 459	1.6 (1.5-1.8)	1.20 (1.02-1.41)	15	
Abruzzo	High	49	286 014	2.4 (1.8-3.2)	1	24	
	Medium	51	435 854	3.5 (2.6-4.6)	1.45 (0.98-2.15)	29	
	Low	373	705 762	2.2 (2.0-2.4)	0.91 (0.67-1.23)	20	
Molise	High	9	63 987	2.1 (1.1-4.0)	1	17	
	Medium	6	93 174	1.8 (0.8-4.1)	0.86 (0.30-2.50)	36	
	Low	58	182 398	1.3 (1.0-1.7)	0.64 (0.31-1.30)	12	
Campania	High	131	960 276	1.8 (1.5-2.1)	1	18	
	Medium	101	1 599 876	1.7 (1.4-2.0)	0.93 (0.71-1.20)	17	
	Low	849	3 283 605	1.7 (1.6-1.9)	0.96 (0.80-1.16)	21	
Puglia	High	83	646 788	1.9 (1.6-2.4)	1	18	
	Medium	73	1 066 681	1.8 (1.4-2.3)	0.94 (0.69-1.30)	16	
	Low	933	2 564 345	2.1 (2.0-2.3)	1.11 (0.88-1.39)	22	
Basilicata	High	6	99 340	1.0 (0.4-2.3)	1	4	
	Medium	10	170 598	2.3 (1.2-4.3)	2.25 (0.80-6.38)	19	
	Low	106	343 548	1.4 (1.1-1.7)	1.36 (0.58-3.19)	11	
Calabria	High	31	366 406	1.2 (0.9-1.7)	1	10	
	Medium	18	542 152	1.0 (0.6-1.7)	0.85 (0.47-1.55)	16	
	Low	305	1 124 577	1.4 (1.3-1.6)	1.17 (0.80-1.70)	18	
Sicilia	High	135	839 323	1.8 (1.6-2.2)	1	18	
	Medium	135	1 416 022	2.1 (1.8-2.5)	1.17 (0.92-1.48)	30	
	Low	1002	2 963 827	2.0 (1.9-2.1)	1.09 (0.91-1.31)	23	
Sardegna	High	48	317 889	2.3 (1.7-3.0)	1	19	
	Medium	62	506 958	3.0 (2.3-3.8)	1.30 (0.88-1.90)	23	
	Low	432	991 152	2.4 (2.2-2.6)	1.04 (0.77-1.41)	19	
Italia	High	1571	11 962 838	1.6 (1.5-1.6)	1	14	
	Medium	1806	20 529 020	1.7 (1.6-1.8)	1.10 (1.03-1.18)	17	
	Low	11772	32 289 567	1.8 (1.7-1.8)	1.14 (1.08-1.20)	17	



# CIRROSI, FIBROSI ED EPATITE CRONICA

## FIBROSIS AND CIRRHOSIS OF LIVER AND CHRONIC HEPATITIS

**SMR.** Un trend Nord-Sud è evidente, con eccessi di grande entità concentrati al Sud (del 24% nelle **DONNE** e del 30% negli **UOMINI** all'80° centile); tra gli **UOMINI** anche in Sardegna, e tra le **DONNE** anche in Sicilia. Tale pattern non rispecchia quello osservato per il tumore del fegato, con cui le epatopatie condividono alcuni fattori di rischio (infezioni, abuso di alcol e steato-epatite non-alcolica), né quello relativo alla prevalenza di consumo a maggior rischio di alcol, che è, invece, più diffusa al Nord (Sorveglianza Passi, alcol).

**PAF.** Si registrano PAF superiori al 15% in quasi tutte le regioni e superiori al 25% nella gran parte di esse; fanno eccezione il Trentino tra gli **UOMINI**, e l'Emilia-Romagna tra le **DONNE** (inferiore al 15%) e soprattutto il Trentino e l'Alto Adige dove per le donne il basso titolo di studio risulta protettivo.

2012-2014

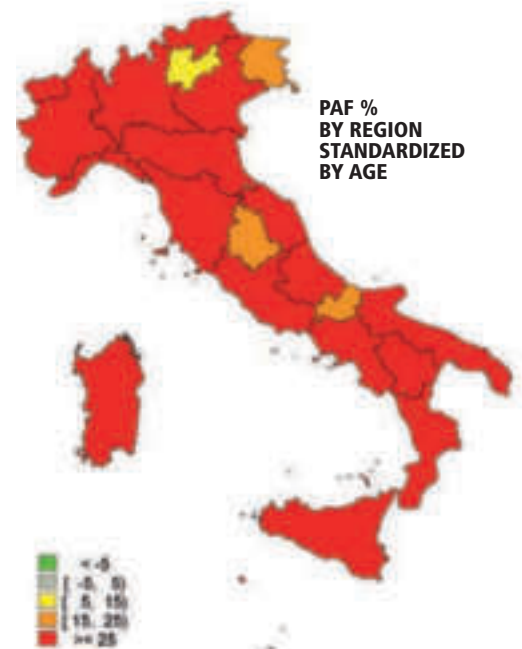
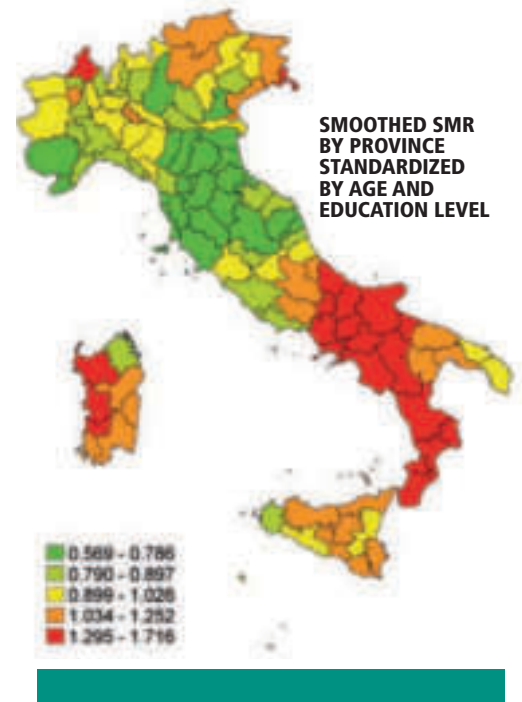
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	88	818 021	0.9 (0.7-1.1)	1	31
	Medium	165	1 580 984	1.3 (1.1-1.5)	1.47 (1.12-1.94)	54
	Low	475	2 065 138	2.1 (1.9-2.3)	2.41 (1.89-3.07)	112
Valle d'Aosta	High	2	23 025	0.8 (0.2-3.4)	1	22
	Medium	6	43 054	1.6 (0.7-3.6)	1.91 (0.37-9.91)	101
	Low	14	63 600	2.2 (1.3-3.7)	2.63 (0.58-12.01)	90
Lombardia	High	168	1 923 344	0.8 (0.7-0.9)	1	28
	Medium	311	3 478 639	1.2 (1.1-1.4)	1.58 (1.30-1.93)	53
	Low	935	4 387 573	2.1 (2.0-2.3)	2.73 (2.30-3.24)	104
Bolzano	High	17	86 156	1.5 (0.9-2.4)	1	45
	Medium	21	187 921	1.5 (0.9-2.4)	1.03 (0.52-2.02)	87
	Low	56	208 018	2.7 (2.0-3.5)	1.82 (1.04-3.18)	127
Trento	High	19	101 157	1.6 (1.0-2.6)	1	61
	Medium	19	210 020	1.3 (0.8-2.1)	0.82 (0.42-1.60)	61
	Low	59	202 879	2.6 (2.0-3.4)	1.62 (0.95-2.78)	116
Veneto	High	98	840 505	1.0 (0.8-1.3)	1	38
	Medium	153	1 783 406	1.4 (1.2-1.7)	1.33 (1.01-1.75)	52
	Low	481	2 275 576	2.0 (1.9-2.2)	1.94 (1.54-2.44)	98
Friuli Venezia Giulia	High	53	256 926	1.5 (1.2-2.0)	1	52
	Medium	77	518 112	1.8 (1.5-2.3)	1.20 (0.83-1.73)	79
	Low	126	482 532	2.5 (2.1-2.9)	1.60 (1.14-2.24)	129
Liguria	High	37	359 649	0.8 (0.5-1.1)	1	24
	Medium	61	602 274	1.1 (0.9-1.5)	1.50 (0.98-2.30)	54
	Low	141	644 480	1.9 (1.6-2.3)	2.51 (1.71-3.68)	96
Emilia-Romagna	High	89	864 484	0.9 (0.7-1.1)	1	31
	Medium	133	1 582 791	1.2 (1.0-1.4)	1.31 (0.99-1.74)	51
	Low	352	1 982 289	1.6 (1.4-1.8)	1.79 (1.40-2.29)	83
Toscana	High	60	710 841	0.8 (0.6-1.0)	1	29
	Medium	107	1 249 632	1.1 (0.9-1.4)	1.48 (1.06-2.06)	47
	Low	281	1 772 636	1.4 (1.2-1.6)	1.85 (1.38-2.49)	74
Umbria	High	19	180 175	1.0 (0.6-1.6)	1	53
	Medium	23	342 532	0.9 (0.6-1.4)	0.86 (0.45-1.64)	43
	Low	84	360 932	2.0 (1.6-2.5)	1.92 (1.13-3.26)	98
Marche	High	29	287 273	1.0 (0.7-1.5)	1	30
	Medium	51	538 873	1.4 (1.0-1.8)	1.37 (0.85-2.23)	60
	Low	146	720 635	1.8 (1.5-2.1)	1.79 (1.18-2.72)	92
Lazio	High	141	1 358 451	0.9 (0.8-1.1)	1	33
	Medium	185	2 073 918	1.3 (1.1-1.5)	1.39 (1.10-1.75)	52
	Low	415	1 968 190	2.1 (1.9-2.3)	2.21 (1.81-2.70)	112
Abruzzo	High	28	254 990	1.1 (0.8-1.6)	1	52
	Medium	57	468 140	2.1 (1.6-2.8)	1.90 (1.17-3.09)	70
	Low	193	578 741	2.7 (2.4-3.2)	2.47 (1.62-3.76)	118
Molise	High	12	56 815	2.5 (1.4-4.5)	1	90
	Medium	20	103 063	2.5 (1.5-4.0)	1.01 (0.47-2.16)	146
	Low	70	152 945	3.9 (3.0-4.9)	1.56 (0.82-2.98)	202
Campania	High	152	909 229	1.7 (1.4-2.0)	1	56
	Medium	307	1 717 812	2.7 (2.4-3.0)	1.59 (1.29-1.96)	98
	Low	897	2 609 431	3.7 (3.4-3.9)	2.20 (1.83-2.63)	172
Puglia	High	66	614 254	1.0 (0.8-1.3)	1	31
	Medium	118	1 149 011	1.6 (1.3-1.9)	1.50 (1.09-2.08)	62
	Low	583	2 086 918	2.7 (2.4-2.9)	2.57 (1.96-3.38)	129
Basilicata	High	8	91 178	0.9 (0.4-2.0)	1	32
	Medium	20	183 319	2.2 (1.4-3.5)	2.35 (0.97-5.71)	70
	Low	120	291 033	3.4 (2.9-4.2)	3.68 (1.70-7.98)	184
Calabria	High	46	325 325	1.4 (1.0-1.9)	1	58
	Medium	77	593 842	2.2 (1.7-2.8)	1.57 (1.06-2.34)	82
	Low	383	936 916	3.6 (3.2-4.0)	2.56 (1.85-3.54)	168
Sicilia	High	101	767 785	1.2 (0.9-1.4)	1	42
	Medium	166	1 434 675	1.8 (1.5-2.1)	1.55 (1.19-2.01)	62
	Low	628	2 454 220	2.4 (2.2-2.6)	2.07 (1.66-2.58)	110
Sardegna	High	21	247 778	0.6 (0.4-1.0)	1	28
	Medium	66	484 814	1.9 (1.5-2.5)	3.04 (1.81-5.12)	75
	Low	268	945 577	2.8 (2.5-3.2)	4.55 (2.85-7.26)	144
Italia	High	1254	11 077 356	1.0 (1.0-1.1)	1	36
	Medium	2143	20 326 825	1.5 (1.4-1.6)	1.48 (1.37-1.59)	61
	Low	6707	27 190 254	2.3 (2.3-2.4)	2.29 (2.15-2.44)	115



### UOMINI

MEN

ETÀ 30-89  
AGE 30-89



## CIRROSI, FIBROSI ED EPATITE CRONICA

### FIBROSIS AND CIRRHOSIS OF LIVER AND CHRONIC HEPATITIS



**SMR.** There is a clear North-South trend, with considerable excess in the South (24% in **WOMEN** and 30% in **MEN** at the 80<sup>th</sup> centile), as well as in Sardegna for **MEN** and Sicilia for **WOMEN**. This pattern does not reflect that observed for malignant neoplasms of liver, with which they share some risk factors (infection, alcohol abuse and nonalcoholic steatohepatitis), nor does it reflect the prevalence of high-risk alcohol consumption, which is more widespread in the North (Sorveglianza Passi, alcohol).

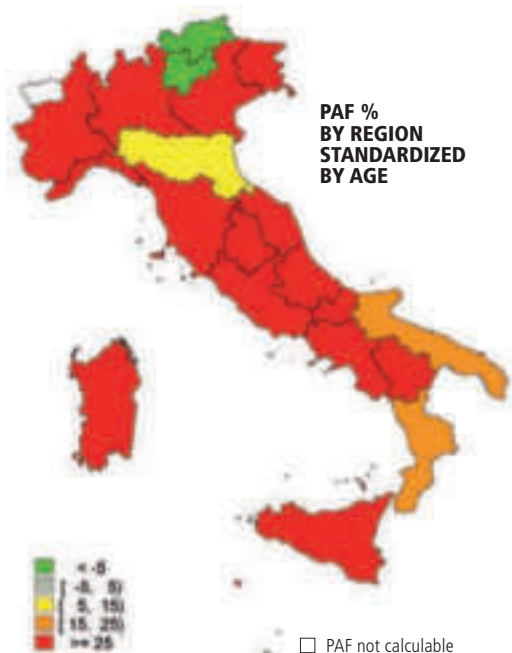
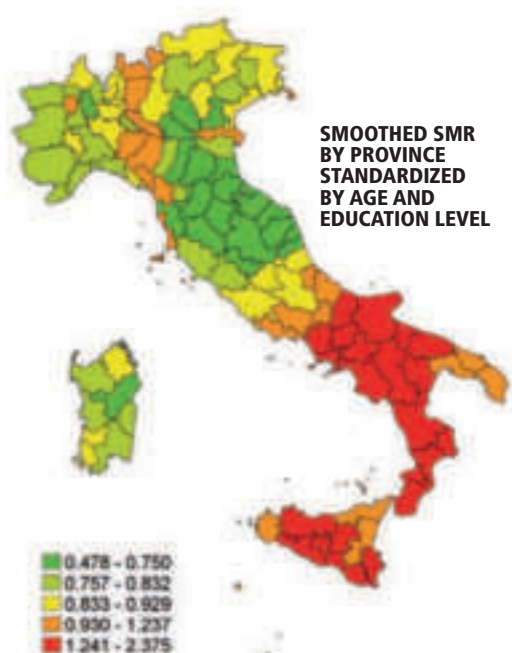
**PAF.** For fibrosis and cirrhosis of liver and chronic hepatitis, PAF are over 15% in almost all regions, and over 25% in many of them. The exceptions are Trentino among **MEN**, Emilia-Romagna among **WOMEN** (above 15%), and especially Trentino-Alto Adige, where low education level is protective among women.



## DONNE

### WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	MMR (95%CI)	RATE x10 000	
Piemonte	High	43	836 082	0.5 (0.4-0.7)	1		17	
	Medium	96	1 676 727	0.7 (0.6-0.9)	1.34 (0.92-1.93)		26	
	Low	284	2 414 836	0.8 (0.7-0.9)	1.50 (1.08-2.09)		34	
Valle d'Aosta	High	0	24 747	0.0				
	Medium	2	47 069	0.6 (0.2-2.5)			20	
	Low	8	67 283	0.9 (0.4-1.9)			41	
Lombardia	High	83	1 989 400	0.5 (0.4-0.6)	1		14	
	Medium	165	3 710 635	0.6 (0.5-0.7)	1.31 (1.00-1.72)		22	
	Low	664	4 972 897	0.9 (0.8-1.0)	1.87 (1.48-2.36)		32	
Bolzano	High	8	89 740	1.0 (0.5-2.0)	1		33	
	Medium	11	199 428	0.8 (0.4-1.5)	0.83 (0.32-2.11)		31	
	Low	21	223 412	0.8 (0.5-1.3)	0.84 (0.36-1.93)		52	
Trento	High	6	103 543	0.7 (0.3-1.7)	1		25	
	Medium	7	225 643	0.4 (0.2-0.9)	0.57 (0.19-1.72)		22	
	Low	26	225 141	0.8 (0.6-1.3)	1.14 (0.45-2.86)		29	
Veneto	High	31	833 402	0.5 (0.3-0.7)	1		12	
	Medium	64	1 680 237	0.7 (0.5-0.9)	1.41 (0.90-2.21)		24	
	Low	339	2 777 381	0.8 (0.7-0.9)	1.75 (1.20-2.56)		30	
Friuli Venezia Giulia	High	15	263 149	0.6 (0.4-1.0)	1		22	
	Medium	37	503 326	0.9 (0.7-1.3)	1.53 (0.82-2.83)		29	
	Low	79	612 209	0.8 (0.7-1.1)	1.41 (0.79-2.51)		34	
Liguria	High	18	405 013	0.4 (0.2-0.6)	1		13	
	Medium	45	661 034	0.8 (0.6-1.1)	2.20 (1.25-3.88)		25	
	Low	102	786 175	0.9 (0.7-1.1)	2.42 (1.42-4.12)		42	
Emilia-Romagna	High	52	982 490	0.6 (0.5-0.8)	1		22	
	Medium	64	1 657 944	0.7 (0.5-0.9)	1.11 (0.76-1.62)		18	
	Low	279	2 237 787	0.7 (0.6-0.8)	1.20 (0.88-1.63)		24	
Toscana	High	22	804 123	0.3 (0.2-0.5)	1		9	
	Medium	64	1 314 238	0.8 (0.6-1.0)	2.61 (1.58-4.31)		29	
	Low	247	2 057 570	0.7 (0.7-0.9)	2.54 (1.61-3.99)		30	
Umbria	High	5	205 592	0.3 (0.1-0.7)	1		2	
	Medium	11	325 316	0.6 (0.3-1.1)	2.12 (0.71-6.38)		23	
	Low	48	460 587	0.7 (0.5-0.9)	2.34 (0.90-6.07)		27	
Marche	High	9	323 451	0.3 (0.2-0.6)	1		5	
	Medium	13	519 041	0.5 (0.3-1.0)	1.64 (0.68-3.95)		12	
	Low	61	856 620	0.4 (0.3-0.6)	1.30 (0.63-2.69)		16	
Lazio	High	72	1 522 088	0.5 (0.4-0.6)	1		17	
	Medium	91	2 177 071	0.7 (0.5-0.8)	1.34 (0.97-1.84)		22	
	Low	329	2 438 459	0.9 (0.8-1.0)	1.83 (1.40-2.38)		36	
Abruzzo	High	11	286 014	0.5 (0.3-1.0)	1		9	
	Medium	21	435 854	1.0 (0.6-1.7)	1.92 (0.89-4.14)		29	
	Low	104	705 762	0.9 (0.7-1.1)	1.71 (0.90-3.26)		37	
Molise	High	1	63 987	0.1 (0.0-1.1)	1		8	
	Medium	7	93 174	1.6 (0.7-3.6)	10.55 (1.25-88.81)		40	
	Low	35	182 398	1.3 (0.9-1.9)	8.75 (1.19-64.26)		60	
Campania	High	71	960 276	0.9 (0.7-1.1)	1		25	
	Medium	95	1 599 876	1.3 (1.0-1.6)	1.43 (1.04-1.97)		36	
	Low	858	3 283 605	2.0 (1.9-2.2)	2.29 (1.79-2.93)		65	
Puglia	High	42	646 788	0.9 (0.6-1.2)	1		22	
	Medium	46	1 066 681	1.0 (0.7-1.3)	1.09 (0.70-1.69)		27	
	Low	444	2 564 345	1.2 (1.1-1.4)	1.40 (1.01-1.94)		40	
Basilicata	High	2	99 340	0.3 (0.1-1.1)	1		10	
	Medium	4	170 598	0.6 (0.2-1.8)	2.14 (0.37-12.39)		22	
	Low	71	343 548	1.2 (0.9-1.5)	4.17 (1.02-17.04)		34	
Calabria	High	25	366 406	0.9 (0.6-1.3)	1		28	
	Medium	23	542 152	1.1 (0.7-1.8)	1.28 (0.71-2.32)		27	
	Low	216	1 124 577	1.3 (1.1-1.5)	1.44 (0.94-2.21)		48	
Sicilia	High	58	839 323	0.7 (0.6-1.0)	1		22	
	Medium	79	1 416 022	1.0 (0.8-1.3)	1.39 (0.98-1.98)		32	
	Low	541	2 963 827	1.3 (1.2-1.4)	1.73 (1.31-2.28)		35	
Sardegna	High	12	317 889	0.4 (0.2-0.8)	1		14	
	Medium	16	506 958	0.5 (0.3-0.9)	1.23 (0.55-2.74)		20	
	Low	110	991 152	0.8 (0.6-0.9)	1.75 (0.94-3.29)		29	
Italia	High	586	11 962 838	0.6 (0.5-0.6)	1		17	
	Medium	961	20 529 020	0.8 (0.7-0.8)	1.37 (1.23-1.52)		25	
	Low	4866	32 289 567	1.0 (1.0-1.0)	1.82 (1.67-1.99)		36	



## ACCIDENTI ACCIDENTS

**SMR.** Il 20% delle province ha eccessi di mortalità, superiori al 14% tra le donne e al 12% tra gli uomini. **UOMINI:** un eccesso di mortalità si osserva nel Centro-Nord, in particolare in Liguria, in alcune province dell'arco alpino (Cuneo, Sondrio, Bolzano, Belluno, Udine), in Abruzzo e in alcune province di Marche, Lazio e Toscana; **DONNE:** si osserva un eccesso di mortalità nel Centro-Sud e nelle isole, oltre che in Liguria.

**PAF. UOMINI:** si osservano rischi attribuibili mediamente alti, in particolare nelle regioni adriatiche e ioniche del Mezzogiorno, dove il rischio supera il 25%, così come in Sardegna, Valle d'Aosta e Bolzano. **DONNE:** i PAF sono per lo più modesti, con un'associazione inversa nel Nord-Est (Emilia-Romagna, Veneto, Trentino-Alto Adige) e in Sardegna, Molise e Valle d'Aosta; solo in Abruzzo e Basilicata il PAF supera il 25%.

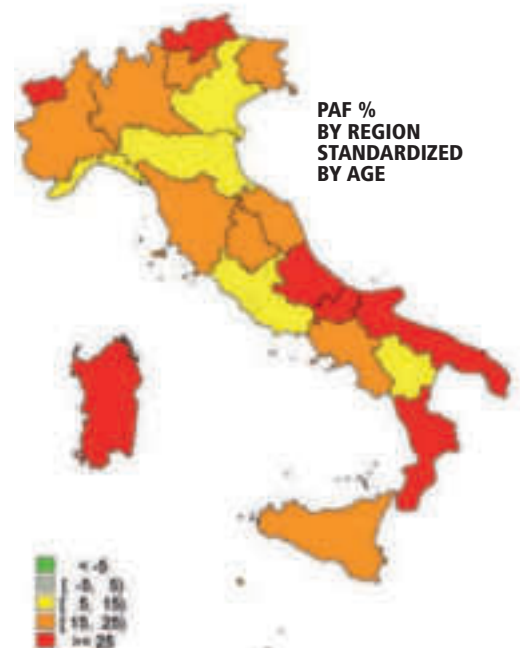
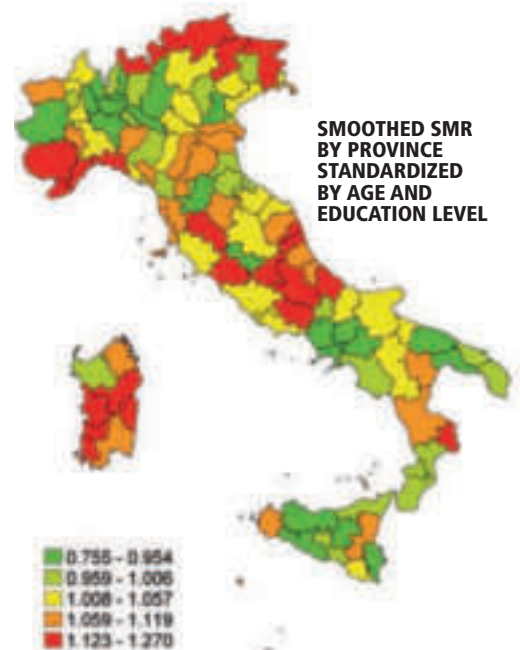
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	242	818 021	2.8 (2.5-3.2)	1	99
	Medium	403	1 580 984	3.4 (3.1-3.8)	1.19 (1.01-1.41)	138
	Low	935	2 065 138	4.0 (3.8-4.3)	1.41 (1.22-1.63)	203
Valle d'Aosta	High	6	23 025	2.6 (1.1-6.1)	1	163
	Medium	12	43 054	4.2 (2.2-8.0)	1.60 (0.56-4.57)	168
	Low	38	63 600	5.6 (4.1-7.7)	2.13 (0.87-5.20)	197
Lombardia	High	488	1923 344	2.6 (2.4-2.9)	1	88
	Medium	733	3478 639	3.1 (2.9-3.4)	1.20 (1.06-1.36)	119
	Low	1657	4387 573	3.7 (3.5-3.9)	1.41 (1.27-1.57)	177
Bolzano	High	28	86 156	3.1 (2.1-4.5)	1	138
	Medium	55	187 921	4.5 (3.3-6.1)	1.47 (0.91-2.39)	200
	Low	113	208 018	5.2 (4.3-6.2)	1.68 (1.10-2.56)	252
Trento	High	29	101 157	2.9 (2.0-4.3)	1	147
	Medium	47	210 020	3.2 (2.3-4.4)	1.09 (0.66-1.80)	140
	Low	101	202 879	4.4 (3.6-5.4)	1.50 (0.97-2.31)	192
Veneto	High	236	840 505	3.1 (2.7-3.5)	1	97
	Medium	361	1 783 406	3.1 (2.8-3.5)	1.00 (0.84-1.20)	136
	Low	1028	2 275 576	4.2 (3.9-4.4)	1.35 (1.16-1.56)	204
Friuli Venezia Giulia	High	92	256 926	3.4 (2.7-4.2)	1	127
	Medium	159	518 112	4.2 (3.6-4.9)	1.25 (0.95-1.63)	156
	Low	236	482 532	4.3 (3.7-4.9)	1.26 (0.98-1.62)	209
Liguria	High	159	359 649	3.7 (3.1-4.4)	1	130
	Medium	198	602 274	4.0 (3.5-4.6)	1.08 (0.87-1.34)	147
	Low	397	644 480	4.8 (4.3-5.3)	1.30 (1.07-1.57)	190
Emilia-Romagna	High	257	864 484	3.2 (2.8-3.6)	1	107
	Medium	376	1 582 791	3.5 (3.1-3.9)	1.08 (0.91-1.28)	143
	Low	1043	1 982 289	4.2 (4.0-4.5)	1.32 (1.15-1.53)	196
Toscana	High	212	710 841	3.0 (2.6-3.5)	1	100
	Medium	307	1 249 632	3.4 (3.0-3.9)	1.13 (0.94-1.36)	134
	Low	919	1 772 636	4.3 (4.0-4.6)	1.42 (1.22-1.66)	213
Umbria	High	44	180 175	2.8 (2.1-3.8)	1	90
	Medium	89	342 532	3.6 (2.8-4.5)	1.26 (0.85-1.85)	183
	Low	187	360 932	3.8 (3.3-4.5)	1.36 (0.96-1.91)	207
Marche	High	82	287 273	3.1 (2.5-3.9)	1	106
	Medium	128	538 873	3.6 (3.0-4.4)	1.15 (0.85-1.54)	155
	Low	427	720 635	4.5 (4.0-4.9)	1.42 (1.12-1.82)	200
Lazio	High	432	1 358 451	3.3 (3.0-3.6)	1	107
	Medium	458	2 073 918	3.4 (3.0-3.7)	1.02 (0.89-1.17)	125
	Low	963	1 968 190	4.5 (4.2-4.8)	1.35 (1.20-1.51)	241
Abruzzo	High	71	254 990	3.2 (2.5-4.1)	1	87
	Medium	116	468 140	3.8 (3.1-4.7)	1.20 (0.87-1.66)	163
	Low	386	578 741	5.3 (4.7-5.9)	1.65 (1.27-2.15)	248
Molise	High	11	56 815	2.3 (1.2-4.3)	1	76
	Medium	21	103 063	3.6 (2.1-5.9)	1.53 (0.68-3.43)	142
	Low	89	152 945	4.1 (3.3-5.1)	1.78 (0.92-3.44)	131
Campania	High	186	909 229	2.6 (2.2-3.0)	1	63
	Medium	322	1 717 812	3.3 (2.9-3.7)	1.29 (1.07-1.57)	99
	Low	797	2 609 431	3.2 (3.0-3.5)	1.27 (1.07-1.49)	124
Puglia	High	142	614 254	2.6 (2.2-3.1)	1	83
	Medium	241	1 149 011	3.5 (3.0-4.0)	1.31 (1.05-1.64)	120
	Low	873	2 086 918	3.9 (3.6-4.1)	1.47 (1.22-1.76)	185
Basilicata	High	26	91 178	3.4 (2.3-5.2)	1	123
	Medium	35	183 319	2.9 (1.9-4.4)	0.84 (0.47-1.51)	147
	Low	165	291 033	4.5 (3.8-5.3)	1.31 (0.85-2.03)	234
Calabria	High	70	325 325	2.5 (1.9-3.1)	1	101
	Medium	133	593 842	4.0 (3.3-4.9)	1.64 (1.19-2.25)	140
	Low	481	936 916	4.4 (4.0-4.9)	1.80 (1.39-2.35)	217
Sicilia	High	202	767 785	2.8 (2.4-3.2)	1	88
	Medium	301	1 434 675	3.2 (2.8-3.6)	1.13 (0.93-1.37)	131
	Low	1062	2 454 220	4.0 (3.8-4.3)	1.43 (1.22-1.67)	188
Sardegna	High	63	247 778	2.9 (2.2-3.8)	1	88
	Medium	118	484 814	3.7 (3.0-4.6)	1.27 (0.91-1.78)	154
	Low	451	945 577	4.7 (4.2-5.1)	1.60 (1.20-2.12)	273
Italia	High	3078	11 077 356	2.9 (2.8-3.0)	1	96
	Medium	4613	20 326 825	3.4 (3.3-3.5)	1.16 (1.10-1.22)	132
	Low	12348	27 190 254	4.1 (4.0-4.2)	1.39 (1.34-1.45)	195



## UOMINI MEN

ETÀ 30-89  
AGE 30-89



# ACCIDENTI ACCIDENTS



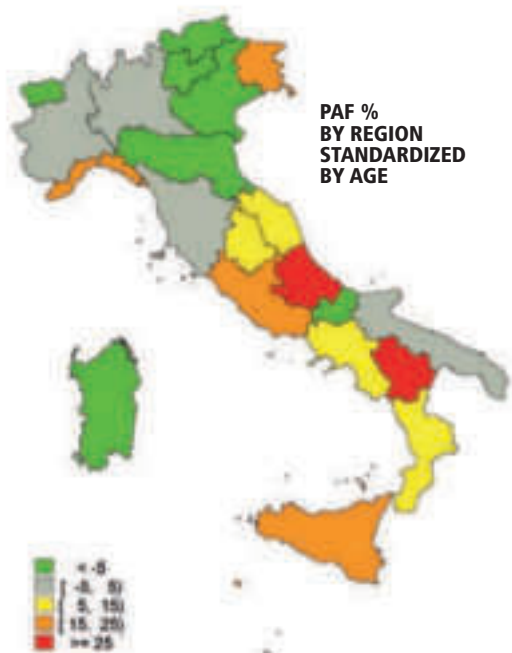
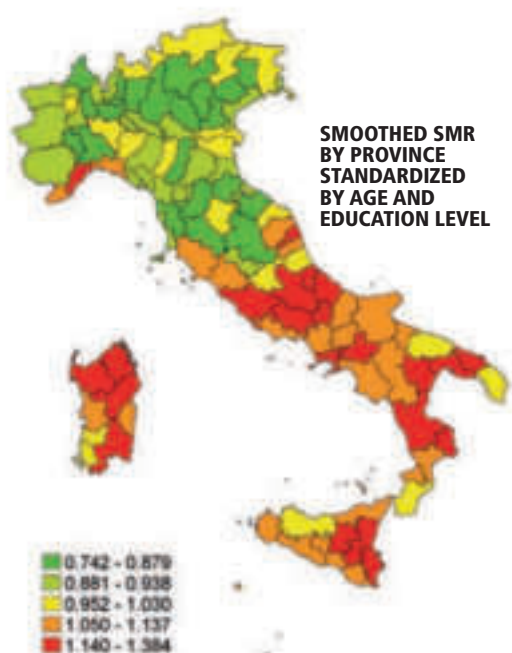
**SMR.** 20% of the provinces have excess mortality: above 14% among women and 12% among men. **MEN:** excess mortality is seen in the Centre-North, particularly in Liguria, in some provinces in the Alps (Cuneo, Sondrio, Bolzano, Belluno, Udine), in Abruzzo, and in some provinces in Marche, Lazio and Toscana. **WOMEN:** excess mortality is seen in the Centre-South and in the Islands, as well as in Liguria.

**PAF. MEN:** the attributable risk is on average high, particularly in the regions along the Adriatic and Ionian Seas in the South, where the risk exceeds 25%, as it does in Sardegna, Valle d'Aosta and Bolzano. **WOMEN:** the PAF are for the most part modest, with an inverse association in the North-East (Emilia-Romagna, Veneto, Trentino-Alto Adige) and in Sardegna, Molise and Valle d'Aosta. Only in Abruzzo and Basilicata do the PAF exceed 25%.



## DONNE WOMEN

**ETÀ 30-89  
AGE 30-89**



2012-2014								
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	120	836 082	1.5 (1.3-1.8)	1		44	
	Medium	182	1 676 727	1.4 (1.2-1.7)	0.95 (0.75-1.20)		37	
	Low	778	2 414 836	1.7 (1.5-1.8)	1.10 (0.90-1.34)		47	
Valle d'Aosta	High	4	24 747	2.3 (0.9-6.2)	1		24	
	Medium	7	47 069	2.1 (1.0-4.4)	0.90 (0.26-3.12)		69	
	Low	20	67 283	1.7 (1.1-2.7)	0.74 (0.25-2.20)		53	
Lombardia	High	280	1 989 400	1.6 (1.4-1.8)	1		34	
	Medium	374	3 710 635	1.5 (1.3-1.6)	0.91 (0.78-1.07)		31	
	Low	1463	4 972 897	1.6 (1.5-1.7)	1.00 (0.87-1.14)		37	
Bolzano	High	16	89 740	2.0 (1.2-3.2)	1		28	
	Medium	17	199 428	1.5 (0.9-2.4)	0.75 (0.37-1.51)		29	
	Low	80	223 412	1.9 (1.5-2.4)	0.97 (0.56-1.68)		32	
Trento	High	13	103 543	1.4 (0.8-2.4)	1		39	
	Medium	14	225 643	0.9 (0.5-1.5)	0.62 (0.28-1.34)		21	
	Low	75	225 141	1.7 (1.3-2.1)	1.19 (0.64-2.21)		48	
Veneto	High	106	833 402	1.6 (1.3-2.0)	1		43	
	Medium	128	1 680 237	1.4 (1.2-1.7)	0.87 (0.66-1.14)		38	
	Low	792	2 777 381	1.6 (1.5-1.7)	0.98 (0.79-1.21)		47	
Friuli Venezia Giulia	High	37	263 149	1.4 (1.0-1.9)	1		33	
	Medium	69	503 326	1.7 (1.3-2.2)	1.24 (0.83-1.86)		51	
	Low	237	612 209	1.9 (1.6-2.2)	1.38 (0.96-1.96)		52	
Liguria	High	80	405 013	1.6 (1.3-2.0)	1		50	
	Medium	126	661 034	2.1 (1.7-2.5)	1.26 (0.95-1.68)		38	
	Low	403	786 175	2.3 (2.0-2.6)	1.41 (1.09-1.81)		58	
Emilia-Romagna	High	159	982 490	2.0 (1.7-2.3)	1		42	
	Medium	153	1 657 944	1.6 (1.4-1.9)	0.82 (0.65-1.03)		36	
	Low	819	2 237 787	1.8 (1.6-1.9)	0.92 (0.77-1.10)		60	
Toscana	High	117	804 123	1.6 (1.4-2.0)	1		39	
	Medium	123	1 314 238	1.6 (1.4-2.0)	1.00 (0.77-1.29)		40	
	Low	730	2 057 570	1.6 (1.5-1.7)	0.97 (0.79-1.19)		34	
Umbria	High	20	205 592	1.2 (0.7-1.8)	1		34	
	Medium	26	325 316	1.4 (0.9-2.1)	1.18 (0.63-2.19)		44	
	Low	166	460 587	1.4 (1.2-1.7)	1.24 (0.76-2.00)		25	
Marche	High	45	323 451	1.6 (1.2-2.2)	1		42	
	Medium	52	519 041	1.9 (1.4-2.5)	1.16 (0.76-1.76)		43	
	Low	357	856 620	1.9 (1.7-2.2)	1.18 (0.86-1.63)		50	
Lazio	High	226	1 522 088	1.6 (1.4-1.8)	1		36	
	Medium	259	2 177 071	2.1 (1.8-2.3)	1.30 (1.08-1.56)		43	
	Low	1039	2 438 459	2.2 (2.0-2.3)	1.37 (1.18-1.59)		48	
Abruzzo	High	28	286 014	1.3 (0.9-1.9)	1		29	
	Medium	36	435 854	2.2 (1.6-3.1)	1.68 (1.01-2.81)		22	
	Low	376	705 762	2.3 (2.1-2.6)	1.77 (1.19-2.63)		44	
Molise	High	12	63 987	2.5 (1.4-4.4)	1		73	
	Medium	10	93 174	1.6 (0.8-3.5)	0.66 (0.26-1.72)		66	
	Low	81	182 398	1.9 (1.5-2.5)	0.78 (0.41-1.48)		42	
Campania	High	144	960 276	1.9 (1.6-2.3)	1		29	
	Medium	122	1 599 876	1.8 (1.5-2.2)	0.94 (0.73-1.21)		27	
	Low	1071	3 283 605	2.2 (2.1-2.3)	1.15 (0.96-1.37)		38	
Puglia	High	95	646 788	2.1 (1.7-2.6)	1		46	
	Medium	91	1 066 681	2.1 (1.7-2.6)	0.99 (0.73-1.33)		35	
	Low	805	2 564 345	2.0 (1.8-2.1)	0.94 (0.76-1.17)		42	
Basilicata	High	5	99 340	0.7 (0.3-1.7)	1		19	
	Medium	7	170 598	0.8 (0.3-2.0)	1.13 (0.29-4.46)		27	
	Low	144	343 548	2.2 (1.8-2.7)	3.31 (1.24-8.83)		61	
Calabria	High	46	366 406	1.7 (1.3-2.3)	1		32	
	Medium	39	542 152	2.0 (1.4-2.8)	1.12 (0.71-1.77)		32	
	Low	442	1 124 577	2.2 (2.0-2.4)	1.25 (0.92-1.71)		51	
Sicilia	High	125	839 323	1.6 (1.4-2.0)	1		26	
	Medium	123	1 416 022	1.8 (1.5-2.2)	1.11 (0.86-1.43)		27	
	Low	1040	2 963 827	2.1 (2.0-2.3)	1.28 (1.06-1.55)		36	
Sardegna	High	47	317 889	2.2 (1.6-2.9)	1		39	
	Medium	45	506 958	1.7 (1.2-2.3)	0.77 (0.50-1.18)		40	
	Low	343	991 152	2.2 (2.0-2.5)	1.01 (0.74-1.39)		64	
Italia	High	1725	11 962 838	1.7 (1.6-1.7)	1		37	
	Medium	2003	20 529 020	1.7 (1.6-1.7)	1.00 (0.93-1.06)		35	
	Low	11261	32 289 567	1.9 (1.8-1.9)	1.12 (1.06-1.18)		44	



# ACCIDENTI DA TRASPORTO

## TRANSPORT ACCIDENTS

**SMR.** Gli incidenti stradali e le cadute mostrano differenziali geografici più marcati degli incidenti nel loro insieme (superiore al 20% all'80° centile). Si osserva un eccesso di mortalità nel Centro-Nord, in particolare in Friuli-Venezia Giulia, Emilia-Romagna, Toscana, Marche e lungo il corso del Po. **UOMINI:** si osserva un eccesso di mortalità anche in Piemonte, a Viterbo e Rieti. **DONNE:** si osserva un eccesso anche nel cuneese, in Veneto, a Terni e Latina.

**PAF. UOMINI:** i PAF superano il 15% in quasi tutte le regioni e sono superiori al 25% nella gran parte di esse; uniche eccezioni Umbria, Marche, Liguria e Valle d'Aosta. **DONNE:** i PAF sono per lo più lievi, con un'associazione inversa nelle regioni del Nord (eccetto Friuli-Venezia Giulia e soprattutto Liguria) e nelle regioni adriatiche del Mezzogiorno; rischi attribuibili superiori al 25% si osservano nelle Isole e in Basilicata.

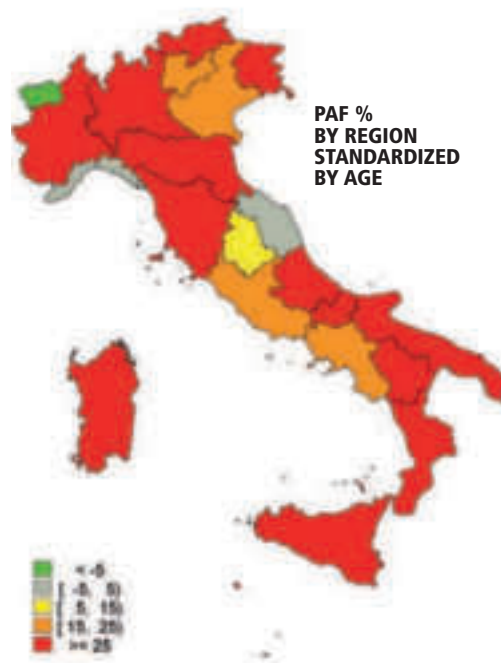
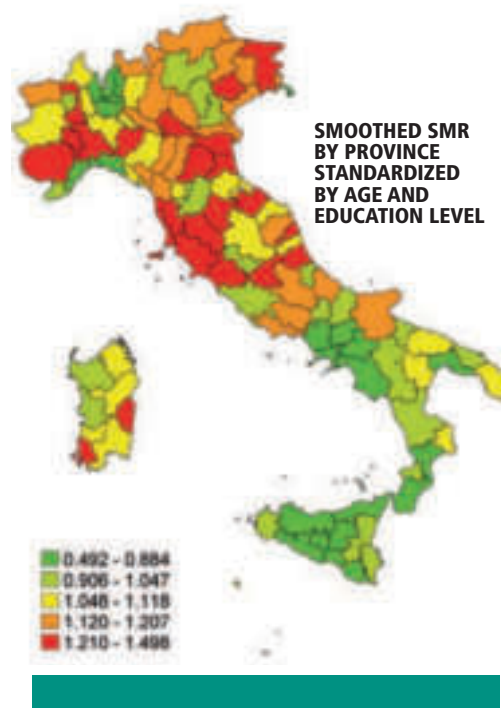
2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	76	818 021	0.9 (0.7-1.1)	1	53
	Medium	151	1 580 984	1.0 (0.9-1.2)	1.18 (0.88-1.58)	75
	Low	305	2 065 138	1.4 (1.3-1.6)	1.62 (1.24-2.11)	101
Valle d'Aosta	High	3	23 025	1.5 (0.5-4.8)	1	137
	Medium	3	43 054	0.6 (0.2-2.0)	0.42 (0.08-2.08)	71
	Low	10	63 600	1.5 (0.8-2.8)	0.97 (0.26-3.52)	93
Lombardia	High	130	1 923 344	0.7 (0.6-0.8)	1	44
	Medium	271	3 478 639	0.9 (0.8-1.0)	1.27 (1.02-1.59)	63
	Low	523	4 387 573	1.2 (1.1-1.3)	1.76 (1.44-2.15)	90
Bolzano	High	7	86 156	0.8 (0.4-1.7)	1	50
	Medium	19	187 921	1.1 (0.7-1.8)	1.38 (0.55-3.45)	88
	Low	34	208 018	1.5 (1.1-2.1)	1.90 (0.83-4.39)	99
Trento	High	7	101 157	0.6 (0.3-1.4)	1	60
	Medium	14	210 020	0.8 (0.4-1.3)	1.22 (0.46-3.26)	55
	Low	20	202 879	0.9 (0.6-1.4)	1.42 (0.56-3.56)	48
Veneto	High	80	840 505	0.9 (0.7-1.2)	1	50
	Medium	175	1 783 406	1.1 (0.9-1.3)	1.17 (0.88-1.55)	83
	Low	311	2 275 576	1.3 (1.2-1.5)	1.42 (1.09-1.83)	102
Friuli Venezia Giulia	High	23	256 926	0.8 (0.5-1.2)	1	49
	Medium	58	518 112	1.4 (1.0-1.8)	1.68 (1.01-2.80)	75
	Low	70	482 532	1.3 (1.0-1.7)	1.65 (1.01-2.71)	94
Liguria	High	27	359 649	0.7 (0.5-1.1)	1	50
	Medium	36	602 274	0.6 (0.5-0.9)	0.90 (0.53-1.52)	47
	Low	55	644 480	0.8 (0.6-1.0)	1.07 (0.65-1.75)	47
Emilia-Romagna	High	74	864 484	0.9 (0.7-1.2)	1	56
	Medium	173	1 582 791	1.3 (1.1-1.5)	1.42 (1.07-1.90)	84
	Low	330	1 982 289	1.5 (1.3-1.7)	1.63 (1.25-2.12)	100
Toscana	High	65	710 841	0.9 (0.7-1.2)	1	57
	Medium	110	1 249 632	1.0 (0.8-1.2)	1.08 (0.78-1.49)	70
	Low	297	1 772 636	1.5 (1.4-1.7)	1.71 (1.29-2.27)	106
Umbria	High	15	180 175	0.9 (0.5-1.5)	1	62
	Medium	37	342 532	1.1 (0.7-1.5)	1.15 (0.61-2.17)	95
	Low	40	360 932	1.0 (0.7-1.3)	1.04 (0.56-1.94)	71
Marche	High	30	287 273	1.1 (0.8-1.6)	1	87
	Medium	53	538 873	1.1 (0.8-1.5)	1.00 (0.62-1.60)	81
	Low	103	720 635	1.2 (1.0-1.5)	1.10 (0.73-1.67)	77
Lazio	High	109	1 358 451	0.8 (0.7-1.0)	1	57
	Medium	166	2 073 918	0.9 (0.8-1.1)	1.17 (0.91-1.51)	63
	Low	270	1 968 190	1.4 (1.2-1.5)	1.73 (1.37-2.17)	113
Abruzzo	High	17	254 990	0.6 (0.4-1.0)	1	45
	Medium	47	468 140	1.0 (0.7-1.4)	1.61 (0.89-2.92)	88
	Low	96	578 741	1.5 (1.2-1.9)	2.42 (1.40-4.17)	108
Molise	High	5	56 815	0.8 (0.3-2.1)	1	68
	Medium	7	103 063	0.9 (0.4-2.2)	1.17 (0.32-4.21)	55
	Low	22	152 945	1.3 (0.9-2.1)	1.65 (0.58-4.70)	97
Campania	High	38	909 229	0.4 (0.3-0.6)	1	28
	Medium	77	1 717 812	0.5 (0.4-0.6)	1.15 (0.75-1.75)	38
	Low	170	2 609 431	0.6 (0.6-0.8)	1.51 (1.04-2.18)	50
Puglia	High	44	614 254	0.7 (0.5-1.0)	1	48
	Medium	84	1 149 011	0.8 (0.6-1.0)	1.08 (0.73-1.59)	62
	Low	294	2 086 918	1.3 (1.2-1.5)	1.85 (1.33-2.58)	95
Basilicata	High	8	91 178	0.9 (0.4-1.8)	1	76
	Medium	17	183 319	0.9 (0.5-1.5)	1.04 (0.42-2.54)	86
	Low	39	291 033	1.4 (1.0-2.0)	1.64 (0.74-3.67)	132
Calabria	High	21	325 325	0.7 (0.5-1.1)	1	49
	Medium	43	593 842	0.7 (0.5-1.0)	0.98 (0.57-1.71)	65
	Low	116	936 916	1.2 (1.0-1.5)	1.71 (1.06-2.77)	101
Sicilia	High	42	767 785	0.5 (0.4-0.7)	1	37
	Medium	115	1 434 675	0.9 (0.7-1.1)	1.73 (1.19-2.52)	66
	Low	249	2 454 220	1.0 (0.9-1.1)	1.95 (1.39-2.73)	78
Sardegna	High	17	247 778	0.6 (0.4-1.1)	1	33
	Medium	39	484 814	0.8 (0.6-1.1)	1.25 (0.67-2.32)	72
	Low	132	945 577	1.4 (1.2-1.7)	2.17 (1.25-3.75)	119
Italia	High	838	11 077 356	0.8 (0.7-0.8)	1	49
	Medium	1695	20 326 825	0.9 (0.9-1.0)	1.23 (1.13-1.35)	68
	Low	3486	27 190 254	1.2 (1.2-1.3)	1.64 (1.51-1.77)	91



### UOMINI MEN

ETÀ 30-89  
AGE 30-89



## ACCIDENTI DA TRASPORTO TRANSPORT ACCIDENTS



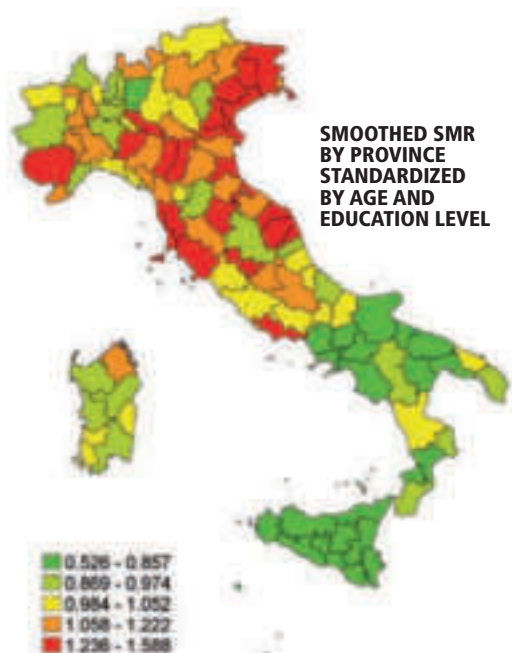
**SMR.** Transport accidents and accidental falls show more striking geographical differentials than do all accidents together (above 20% at the 80<sup>th</sup> centile). For transport accidents, excess mortality is seen in the Centre-North, in particular in Friuli Venezia Giulia, Emilia-Romagna, Toscana, Marche and along the Po river. **MEN:** excess mortality is also seen in Piemonte, in Viterbo and in Rieti. **WOMEN:** excess mortality is also seen in the area of Cuneo, in Veneto, in Terni and in Latina.

**PAF. MEN:** PAF exceeds 15% in almost all the regions, exceeding 25% in most of them. The only exceptions are Umbria, Marche, Liguria and Valle d'Aosta. **WOMEN:** the PAF are slight, with an inverse association in the Northern regions (except Friuli Venezia Giulia and especially Liguria) and in the Southern regions along the Adriatic coast. Attributable risks exceeding 25% can be seen in the Islands and in Basilicata.



### DONNE WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014								
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)		MMR (95%CI)	RATE x10 000	
Piemonte	High	23	836 082	0.3	(0.2-0.4)	1		18
	Medium	44	1 676 727	0.3	(0.2-0.4)	0.99	(0.59-1.68)	20
	Low	83	2 414 836	0.3	(0.2-0.4)	1.00	(0.61-1.63)	21
Valle d'Aosta	High	0	24 747	0.0				
	Medium	1	47 069	0.3	(0.0-1.9)			10
	Low	2	67 283	0.1	(0.0-0.5)			
Lombardia	High	50	1 989 400	0.3	(0.2-0.4)	1		14
	Medium	66	3 710 635	0.2	(0.2-0.3)	0.76	(0.52-1.12)	13
	Low	142	4 972 897	0.2	(0.2-0.3)	0.88	(0.62-1.23)	16
Bolzano	High	2	89 740	0.2	(0.1-0.9)	1		10
	Medium	2	199 428	0.1	(0.0-0.7)	0.70	(0.09-5.54)	6
	Low	7	223 412	0.3	(0.1-0.6)	1.36	(0.27-6.93)	14
Trento	High	4	103 543	0.4	(0.1-1.1)	1		27
	Medium	4	225 643	0.2	(0.1-0.6)	0.56	(0.13-2.46)	11
	Low	11	225 141	0.4	(0.2-0.8)	1.04	(0.31-3.53)	23
Veneto	High	24	833 402	0.3	(0.2-0.5)	1		20
	Medium	38	1 680 237	0.3	(0.2-0.4)	0.85	(0.49-1.46)	19
	Low	109	2 777 381	0.3	(0.3-0.4)	0.98	(0.62-1.57)	22
Friuli Venezia Giulia	High	8	263 149	0.3	(0.2-0.6)	1		22
	Medium	16	503 326	0.3	(0.2-0.6)	1.10	(0.46-2.65)	24
	Low	33	612 209	0.4	(0.3-0.6)	1.31	(0.58-2.96)	25
Liguria	High	6	405 013	0.2	(0.1-0.4)	1		12
	Medium	21	661 034	0.3	(0.2-0.5)	2.26	(0.87-5.85)	17
	Low	20	786 175	0.2	(0.1-0.3)	1.21	(0.43-3.39)	12
Emilia-Romagna	High	35	982 490	0.4	(0.3-0.6)	1		26
	Medium	33	1 657 944	0.2	(0.2-0.4)	0.61	(0.37-1.01)	14
	Low	116	2 237 787	0.4	(0.3-0.5)	1.06	(0.71-1.60)	32
Toscana	High	20	804 123	0.3	(0.2-0.4)	1		19
	Medium	39	1 314 238	0.4	(0.3-0.5)	1.38	(0.79-2.43)	22
	Low	76	2 057 570	0.3	(0.2-0.3)	0.96	(0.57-1.62)	14
Umbria	High	5	205 592	0.3	(0.1-0.7)	1		21
	Medium	9	325 316	0.4	(0.2-0.8)	1.43	(0.44-4.69)	19
	Low	14	460 587	0.2	(0.1-0.4)	0.77	(0.26-2.31)	10
Marche	High	9	323 451	0.3	(0.2-0.6)	1		19
	Medium	11	519 041	0.3	(0.1-0.5)	0.89	(0.34-2.34)	16
	Low	39	856 620	0.4	(0.3-0.5)	1.22	(0.57-2.61)	25
Lazio	High	34	1 522 088	0.2	(0.2-0.3)	1		15
	Medium	52	2 177 071	0.3	(0.2-0.4)	1.45	(0.93-2.27)	16
	Low	90	2 438 459	0.3	(0.2-0.4)	1.39	(0.92-2.10)	21
Abruzzo	High	7	286 014	0.3	(0.1-0.6)	1		22
	Medium	7	435 854	0.2	(0.1-0.5)	0.73	(0.23-2.32)	12
	Low	23	705 762	0.3	(0.2-0.4)	0.87	(0.35-2.19)	16
Molise	High	4	63 987	0.6	(0.2-1.5)	1		46
	Medium	3	93 174	0.2	(0.1-0.8)	0.43	(0.10-1.96)	31
	Low	4	182 398	0.2	(0.1-0.7)	0.42	(0.09-1.90)	17
Campania	High	13	960 276	0.1	(0.1-0.2)	1		8
	Medium	13	1 599 876	0.1	(0.1-0.2)	0.87	(0.38-2.01)	6
	Low	69	3 283 605	0.2	(0.1-0.2)	1.42	(0.77-2.62)	12
Puglia	High	17	646 788	0.4	(0.2-0.6)	1		21
	Medium	16	1 066 681	0.2	(0.1-0.4)	0.65	(0.30-1.40)	12
	Low	55	2 564 345	0.2	(0.1-0.3)	0.56	(0.32-0.99)	14
Basilicata	High	1	99 340	0.1	(0.0-0.5)	1		4
	Medium	4	170 598	0.2	(0.1-0.6)	2.99	(0.33-27.47)	23
	Low	11	343 548	0.3	(0.2-0.6)	4.81	(0.61-37.76)	26
Calabria	High	6	366 406	0.2	(0.1-0.5)	1		11
	Medium	4	542 152	0.1	(0.0-0.4)	0.43	(0.09-1.94)	5
	Low	39	1 124 577	0.3	(0.2-0.4)	1.33	(0.55-3.23)	21
Sicilia	High	8	839 323	0.1	(0.1-0.2)	1		5
	Medium	14	1 416 022	0.1	(0.1-0.3)	1.41	(0.56-3.51)	6
	Low	67	2 963 827	0.2	(0.1-0.2)	1.79	(0.84-3.81)	11
Sardegna	High	4	317 889	0.1	(0.0-0.4)	1		6
	Medium	9	506 958	0.2	(0.1-0.3)	1.28	(0.37-4.42)	16
	Low	33	991 152	0.3	(0.2-0.5)	2.48	(0.83-7.37)	25
Italia	High	280	11 962 838	0.3	(0.2-0.3)	1		16
	Medium	406	20 529 020	0.2	(0.2-0.3)	0.97	(0.83-1.14)	14
	Low	1043	32 289 567	0.3	(0.3-0.3)	1.06	(0.92-1.22)	18



# CADUTE ACCIDENTALI

## ACCIDENTAL FALLS

**SMR.** Si osserva una maggiore mortalità nel Centro-Nord. **DONNE:** si rilevano eccessi nelle province dell'arco alpino (da Aosta a Gorizia), in Liguria, e dell'Appennino toscano-emiliano, romagnolo e marchigiano; si segnala cluster a Taranto e in Ogliastra. **UOMINI:** eccessi sono rilevabili soprattutto in alcune province di Piemonte, Friuli, Emilia-Romagna, Toscana, Marche e nell'alto Lazio.

**PAF.** Il possesso di un basso titolo di studio in generale sembrerebbe associarsi debolmente, se non addirittura in maniera inversa con la mortalità per cadute accidentali, con sporadiche eccezioni (rischio superiore al 25%) tra le **DONNE** (Umbria, Abruzzo) e tra gli **UOMINI** (Basilicata, Calabria e Valle d'Aosta).

2012-2014

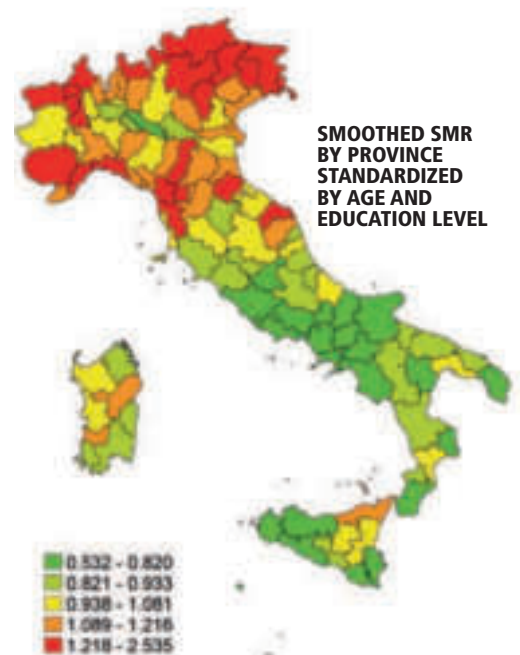
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	72	818 021	0.8 (0.6-1.0)	1		22	
	Medium	114	1 580 984	1.1 (0.9-1.4)	1.36 (1.00-1.85)		24	
	Low	227	2 065 138	0.9 (0.8-1.1)	1.13 (0.86-1.49)		28	
Valle d'Aosta	High	1	23 025	0.3 (0.0-1.9)	1		14	
	Medium	5	43 054	2.1 (0.8-5.5)	7.89 (0.88-70.34)		51	
	Low	16	63 600	2.4 (1.4-3.9)	9.04 (1.20-68.21)		41	
Lombardia	High	139	1 923 344	0.7 (0.6-0.9)	1		19	
	Medium	172	3 478 639	0.8 (0.7-1.0)	1.15 (0.91-1.45)		21	
	Low	399	4 387 573	0.9 (0.8-1.0)	1.21 (0.99-1.48)		29	
Bolzano	High	18	86 156	2.0 (1.2-3.2)	1		65	
	Medium	21	187 921	2.4 (1.5-3.9)	1.23 (0.64-2.38)		47	
	Low	59	208 018	2.7 (2.1-3.5)	1.38 (0.80-2.36)		84	
Trento	High	15	101 157	1.6 (0.9-2.7)	1		50	
	Medium	20	210 020	1.5 (0.9-2.4)	0.93 (0.45-1.93)		53	
	Low	48	202 879	2.1 (1.6-2.8)	1.33 (0.73-2.42)		74	
Veneto	High	79	840 505	1.1 (0.9-1.4)	1		24	
	Medium	74	1 783 406	0.9 (0.7-1.2)	0.86 (0.61-1.20)		16	
	Low	280	2 275 576	1.1 (1.0-1.2)	1.01 (0.78-1.30)		30	
Friuli Venezia Giulia	High	37	256 926	1.3 (1.0-1.9)	1		44	
	Medium	49	518 112	1.4 (1.0-1.8)	1.01 (0.65-1.58)		40	
	Low	71	482 532	1.2 (1.0-1.6)	0.91 (0.60-1.38)		44	
Liguria	High	54	359 649	1.2 (0.9-1.5)	1		25	
	Medium	51	602 274	1.1 (0.8-1.4)	0.91 (0.62-1.35)		34	
	Low	124	644 480	1.4 (1.2-1.7)	1.24 (0.89-1.72)		48	
Emilia-Romagna	High	85	864 484	1.0 (0.8-1.3)	1		17	
	Medium	73	1 582 791	0.8 (0.6-1.0)	0.79 (0.57-1.09)		18	
	Low	295	1 982 289	1.1 (1.0-1.2)	1.04 (0.81-1.33)		27	
Toscana	High	66	710 841	0.9 (0.7-1.2)	1		21	
	Medium	76	1 249 632	1.1 (0.8-1.3)	1.14 (0.82-1.61)		16	
	Low	246	1 772 636	1.0 (0.9-1.2)	1.12 (0.85-1.48)		28	
Umbria	High	12	180 175	0.8 (0.4-1.4)	1		8	
	Medium	15	342 532	0.8 (0.5-1.5)	1.04 (0.47-2.34)		21	
	Low	46	360 932	0.8 (0.6-1.2)	1.07 (0.55-2.07)		33	
Marche	High	23	287 273	0.9 (0.6-1.4)	1		9	
	Medium	28	538 873	0.9 (0.6-1.3)	0.96 (0.54-1.72)		31	
	Low	108	720 635	1.0 (0.8-1.3)	1.14 (0.72-1.82)		26	
Lazio	High	69	1 358 451	0.5 (0.4-0.7)	1		9	
	Medium	57	2 073 918	0.5 (0.4-0.6)	0.93 (0.64-1.34)		11	
	Low	167	1 968 190	0.7 (0.6-0.9)	1.40 (1.05-1.86)		24	
Abruzzo	High	18	254 990	0.8 (0.5-1.3)	1		12	
	Medium	15	468 140	0.6 (0.3-1.0)	0.70 (0.33-1.48)		19	
	Low	76	578 741	1.0 (0.8-1.3)	1.26 (0.73-2.16)		38	
Molise	High	0	56 815	0.0				
	Medium	3	103 063	0.3 (0.1-1.0)			26	
	Low	13	152 945	0.6 (0.3-1.1)			15	
Campania	High	36	909 229	0.5 (0.3-0.6)	1		9	
	Medium	57	1 717 812	0.6 (0.4-0.7)	1.21 (0.77-1.89)		17	
	Low	122	2 609 431	0.5 (0.4-0.6)	1.09 (0.74-1.60)		16	
Puglia	High	33	614 254	0.6 (0.4-0.9)	1		14	
	Medium	53	1 149 011	1.0 (0.8-1.4)	1.64 (1.04-2.60)		13	
	Low	177	2 086 918	0.8 (0.7-0.9)	1.21 (0.82-1.79)		25	
Basilicata	High	4	91 178	0.5 (0.2-1.3)	1		11	
	Medium	6	183 319	0.6 (0.2-1.5)	1.21 (0.29-5.17)		21	
	Low	31	291 033	0.8 (0.5-1.1)	1.67 (0.55-5.05)		24	
Calabria	High	9	325 325	0.3 (0.2-0.6)	1		8	
	Medium	23	593 842	0.9 (0.6-1.4)	2.84 (1.24-6.52)		18	
	Low	94	936 916	0.8 (0.7-1.0)	2.66 (1.30-5.45)		31	
Sicilia	High	48	767 785	0.7 (0.5-0.9)	1		14	
	Medium	52	1 434 675	0.7 (0.5-0.9)	0.95 (0.63-1.44)		17	
	Low	203	2 454 220	0.8 (0.7-0.9)	1.11 (0.80-1.53)		32	
Sardegna	High	17	247 778	0.8 (0.5-1.4)	1		30	
	Medium	21	484 814	0.8 (0.5-1.4)	1.03 (0.51-2.08)		21	
	Low	85	945 577	0.9 (0.7-1.1)	1.06 (0.61-1.84)		22	
Italia	High	835	11 077 356	0.8 (0.7-0.8)	1		17	
	Medium	985	20 326 825	0.9 (0.8-0.9)	1.10 (0.99-1.21)		20	
	Low	2887	27 190 254	0.9 (0.9-1.0)	1.17 (1.08-1.26)		28	



### UOMINI

#### MEN

ETÀ 30-89  
AGE 30-89





# CADUTE ACCIDENTALI

## ACCIDENTAL FALLS



**SMR.** Finally, higher mortality for accidental falls is seen the Centre-North. **WOMEN:** higher mortality is seen in the Alpine provinces (from Aosta to Gorizia), in Liguria and in the Apennines of Toscano-Emilia, of Romagna, of Marche and of Lazio. Clusters can also be seen in Taranto and in Ogliastra. **MEN:** excess mortality can be seen especially in some provinces in Piemonte, Friuli Venezia Giulia, Emilia-Romagna, Toscana, Marche and upper Lazio.

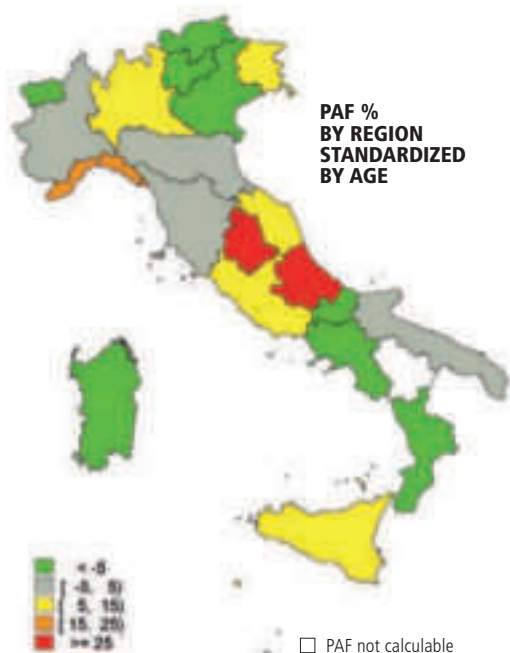
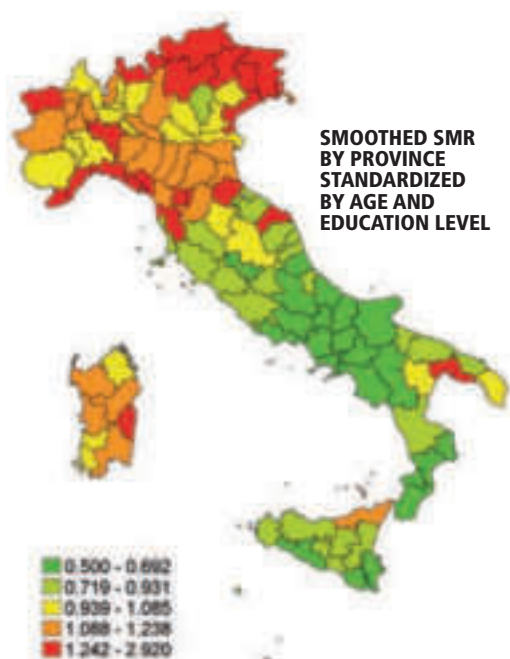
**PAF.** Having a low education level in general appears to be weakly, if not inversely, associated with mortality for accidental falls, with sporadic exceptions (risk above 25%) among **WOMEN** (Umbria, Abruzzo) and among **MEN** (Basilicata, Calabria and Valle d'Aosta).



### DONNE

#### WOMEN

**ETÀ 30-89**  
**AGE 30-89**



2012-2014								
REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	38	836 082	0.5 (0.3-0.6)	1		10	
	Medium	50	1 676 727	0.4 (0.3-0.5)	0.87 (0.57-1.33)		8	
	Low	236	2 414 836	0.5 (0.4-0.5)	1.00 (0.70-1.42)		9	
Valle d'Aosta	High	2	24 747	1.2 (0.3-4.8)	1		24	
	Medium	2	47 069	0.7 (0.2-2.7)	0.58 (0.08-4.22)		11	
	Low	8	67 283	0.7 (0.3-1.5)	0.61 (0.13-3.01)		27	
Lombardia	High	74	1 989 400	0.4 (0.3-0.5)	1		7	
	Medium	97	3 710 635	0.4 (0.3-0.5)	0.95 (0.70-1.29)		6	
	Low	470	4 972 897	0.5 (0.4-0.5)	1.16 (0.90-1.49)		8	
Bolzano	High	12	89 740	1.5 (0.9-2.7)	1		11	
	Medium	14	199 428	1.3 (0.8-2.2)	0.85 (0.39-1.85)		19	
	Low	64	223 412	1.4 (1.1-1.7)	0.89 (0.48-1.66)		8	
Trento	High	7	103 543	0.7 (0.3-1.5)	1		9	
	Medium	5	225 643	0.3 (0.1-0.8)	0.44 (0.14-1.43)		7	
	Low	42	225 141	0.8 (0.6-1.1)	1.10 (0.49-2.50)		13	
Veneto	High	37	833 402	0.6 (0.4-0.8)	1		8	
	Medium	30	1 680 237	0.4 (0.3-0.5)	0.68 (0.41-1.12)		6	
	Low	243	2 777 381	0.4 (0.4-0.5)	0.79 (0.55-1.12)		7	
Friuli Venezia Giulia	High	14	263 149	0.5 (0.3-0.9)	1		6	
	Medium	22	503 326	0.6 (0.4-0.9)	1.07 (0.55-2.11)		15	
	Low	89	612 209	0.7 (0.5-0.8)	1.24 (0.70-2.20)		11	
Liguria	High	28	405 013	0.6 (0.4-0.8)	1		23	
	Medium	44	661 034	0.7 (0.5-1.0)	1.29 (0.80-2.09)		11	
	Low	141	786 175	0.8 (0.7-1.0)	1.48 (0.97-2.27)		23	
Emilia-Romagna	High	41	982 490	0.5 (0.4-0.7)	1		5	
	Medium	45	1 657 944	0.5 (0.4-0.7)	0.99 (0.64-1.52)		9	
	Low	252	2 237 787	0.5 (0.4-0.5)	0.91 (0.65-1.28)		8	
Toscana	High	35	804 123	0.5 (0.3-0.7)	1		6	
	Medium	29	1 314 238	0.4 (0.3-0.6)	0.93 (0.56-1.53)		6	
	Low	240	2 057 570	0.5 (0.4-0.6)	1.02 (0.71-1.47)		7	
Umbria	High	3	205 592	0.2 (0.1-0.5)	1		4	
	Medium	5	325 316	0.4 (0.1-0.9)	2.32 (0.54-10.07)		6	
	Low	47	460 587	0.4 (0.3-0.5)	2.33 (0.71-7.65)		3	
Marche	High	11	323 451	0.4 (0.2-0.7)	1		10	
	Medium	11	519 041	0.4 (0.2-0.8)	1.09 (0.46-2.57)		8	
	Low	89	856 620	0.5 (0.4-0.6)	1.16 (0.61-2.21)		8	
Lazio	High	42	1522 088	0.3 (0.2-0.4)	1		7	
	Medium	44	2177 071	0.4 (0.3-0.5)	1.17 (0.76-1.81)		7	
	Low	156	2438 459	0.3 (0.3-0.4)	1.05 (0.74-1.49)		6	
Abruzzo	High	4	286 014	0.1 (0.1-0.4)	1		5	
	Medium	5	435 854	0.3 (0.1-0.8)	2.20 (0.55-8.80)		2	
	Low	47	705 762	0.3 (0.2-0.4)	1.74 (0.60-5.11)		3	
Molise	High	2	63 987	0.5 (0.1-2.1)	1		22	
	Medium	2	93 174	0.4 (0.1-2.1)	0.81 (0.10-6.76)		8	
	Low	8	182 398	0.2 (0.1-0.4)	0.38 (0.08-1.90)		9	
Campania	High	23	960 276	0.3 (0.2-0.5)	1		3	
	Medium	17	1 599 876	0.3 (0.2-0.4)	0.82 (0.43-1.56)		4	
	Low	123	3 283 605	0.3 (0.2-0.3)	0.88 (0.56-1.39)		6	
Puglia	High	18	646 788	0.4 (0.2-0.6)	1		9	
	Medium	16	1 066 681	0.4 (0.2-0.6)	0.91 (0.45-1.82)		5	
	Low	184	2 564 345	0.4 (0.4-0.5)	1.11 (0.67-1.82)		7	
Basilicata	High	0	99 340	0.0				
	Medium	1	170 598	0.2 (0.0-1.6)				
	Low	21	343 548	0.3 (0.2-0.5)			5	
Calabria	High	9	366 406	0.3 (0.2-0.6)	1		5	
	Medium	5	542 152	0.2 (0.1-0.7)	0.76 (0.23-2.52)		4	
	Low	54	1 124 577	0.3 (0.2-0.3)	0.78 (0.37-1.61)		3	
Sicilia	High	26	839 323	0.4 (0.2-0.5)	1		6	
	Medium	27	1 416 022	0.4 (0.2-0.5)	1.05 (0.60-1.84)		7	
	Low	181	2 963 827	0.4 (0.3-0.5)	1.10 (0.73-1.67)		8	
Sardegna	High	11	317 889	0.5 (0.3-0.9)	1		5	
	Medium	10	506 958	0.4 (0.2-0.8)	0.78 (0.32-1.88)		8	
	Low	84	991 152	0.5 (0.4-0.6)	0.94 (0.50-1.78)		9	
Italia	High	437	11 962 838	0.4 (0.4-0.5)	1		7	
	Medium	481	20 529 020	0.4 (0.4-0.5)	1.00 (0.88-1.14)		7	
	Low	2779	32 289 567	0.4 (0.4-0.5)	1.05 (0.95-1.16)		8	



## SUICIDIO E AUTOLESIONE INTENZIONALE

### SUICIDE AND INTENTIONAL SELF-HARM

**SMR. DONNE:** il rischio si concentra esclusivamente al Centro-Nord, con eccessi soprattutto nelle province settentrionali più occidentali e più orientali, oltre che in quelle dell'appennino umbro-marchigiano. **UOMINI:** si osservano cluster anche nelle in alcune province emiliane e toscane (Ferrara, Bologna, Siena) e nell'intera Sardegna (meno nelle province settentrionali dell'isola).

**PAF. UOMINI:** i PAF sono quasi ovunque superiori al 15% e in molte regioni superiori al 25%; rischi inferiori al 15% si osservano solo in Liguria, Puglia e a Trento. **DONNE:** si osserva un'elevata eterogeneità dei PAF, legata all'alta variabilità casuale.

2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE	MORTALITY RATE RATIOS	STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000
Piemonte	High	105	818 021	1.3 (1.0-1.6)	1	92
	Medium	214	1 580 984	1.5 (1.3-1.7)	1.17 (0.92-1.50)	100
	Low	460	2 065 138	2.1 (1.9-2.3)	1.65 (1.31-2.06)	150
Valle d'Aosta	High	2	23 025	1.1 (0.3-4.4)	1	140
	Medium	6	43 054	1.4 (0.6-3.2)	1.27 (0.26-6.32)	95
	Low	18	63 600	2.9 (1.8-4.6)	2.62 (0.60-11.32)	176
Lombardia	High	212	1 923 344	1.1 (0.9-1.3)	1	80
	Medium	383	3 478 639	1.2 (1.1-1.3)	1.11 (0.93-1.33)	89
	Low	683	4 387 573	1.5 (1.4-1.7)	1.41 (1.20-1.66)	117
Bolzano	High	14	86 156	1.5 (0.9-2.7)	1	130
	Medium	31	187 921	1.8 (1.2-2.6)	1.15 (0.58-2.25)	145
	Low	50	208 018	2.4 (1.8-3.2)	1.59 (0.85-2.94)	171
Trento	High	17	101 157	1.4 (0.9-2.4)	1	95
	Medium	36	210 020	1.7 (1.2-2.5)	1.19 (0.64-2.22)	143
	Low	36	202 879	1.7 (1.2-2.4)	1.17 (0.64-2.16)	138
Veneto	High	86	840 505	1.0 (0.8-1.2)	1	73
	Medium	233	1 783 406	1.4 (1.2-1.6)	1.46 (1.12-1.91)	110
	Low	460	2 275 576	2.0 (1.8-2.2)	2.09 (1.63-2.67)	162
Friuli Venezia Giulia	High	39	256 926	1.5 (1.1-2.1)	1	123
	Medium	71	518 112	1.4 (1.1-1.7)	0.91 (0.60-1.38)	119
	Low	115	482 532	2.4 (2.0-2.9)	1.59 (1.07-2.36)	184
Liguria	High	30	359 649	0.8 (0.5-1.1)	1	52
	Medium	41	602 274	0.7 (0.5-1.0)	0.94 (0.57-1.53)	46
	Low	76	644 480	1.0 (0.8-1.3)	1.29 (0.83-2.02)	65
Emilia-Romagna	High	103	864 484	1.2 (1.0-1.4)	1	87
	Medium	250	1 582 791	1.9 (1.6-2.1)	1.58 (1.24-2.02)	121
	Low	384	1 982 289	1.8 (1.6-2.0)	1.52 (1.21-1.92)	125
Toscana	High	70	710 841	0.9 (0.7-1.2)	1	60
	Medium	161	1 249 632	1.4 (1.2-1.7)	1.53 (1.13-2.06)	100
	Low	338	1 772 636	1.7 (1.6-2.0)	1.90 (1.44-2.50)	120
Umbria	High	20	180 175	1.0 (0.6-1.6)	1	65
	Medium	57	342 532	1.8 (1.4-2.5)	1.88 (1.08-3.28)	135
	Low	74	360 932	1.8 (1.4-2.3)	1.85 (1.08-3.15)	145
Marche	High	39	287 273	1.4 (1.0-1.9)	1	86
	Medium	73	538 873	1.4 (1.1-1.8)	1.04 (0.68-1.57)	115
	Low	155	720 635	2.0 (1.7-2.3)	1.42 (0.98-2.06)	137
Lazio	High	117	1 358 451	0.8 (0.7-1.0)	1	62
	Medium	178	2 073 918	0.9 (0.8-1.1)	1.10 (0.86-1.41)	71
	Low	243	1 968 190	1.2 (1.0-1.3)	1.39 (1.11-1.75)	87
Abruzzo	High	26	254 990	0.8 (0.6-1.3)	1	55
	Medium	64	468 140	1.6 (1.2-2.1)	1.85 (1.13-3.04)	115
	Low	108	578 741	1.8 (1.5-2.2)	2.12 (1.34-3.35)	133
Molise	High	4	56 815	0.8 (0.3-2.2)	1	33
	Medium	5	103 063	0.6 (0.2-1.5)	0.71 (0.16-3.06)	43
	Low	21	152 945	1.4 (0.9-2.3)	1.86 (0.60-5.80)	136
Campania	High	55	909 229	0.7 (0.5-0.9)	1	52
	Medium	109	1 717 812	0.8 (0.6-0.9)	1.15 (0.82-1.63)	50
	Low	239	2 609 431	0.9 (0.8-1.1)	1.43 (1.05-1.93)	65
Puglia	High	55	614 254	1.0 (0.7-1.3)	1	64
	Medium	105	1 149 011	1.0 (0.8-1.3)	1.07 (0.75-1.52)	77
	Low	248	2 086 918	1.2 (1.0-1.3)	1.20 (0.88-1.64)	89
Basilicata	High	9	91 178	1.0 (0.5-1.9)	1	63
	Medium	20	183 319	1.0 (0.6-1.5)	0.99 (0.43-2.27)	101
	Low	56	291 033	1.8 (1.3-2.3)	1.83 (0.87-3.86)	131
Calabria	High	23	325 325	0.7 (0.5-1.1)	1	55
	Medium	53	593 842	1.0 (0.7-1.3)	1.36 (0.80-2.28)	77
	Low	110	936 916	1.1 (0.9-1.4)	1.57 (0.98-2.51)	82
Sicilia	High	74	767 785	0.9 (0.7-1.2)	1	66
	Medium	140	1 434 675	1.1 (0.9-1.4)	1 (0.89-1.62)	78
	Low	363	2 454 220	1.5 (1.3-1.6)	1.53 (1.18-1.99)	111
Sardegna	High	38	247 778	1.5 (1.1-2.1)	1	136
	Medium	76	484 814	1.7 (1.3-2.2)	1.14 (0.75-1.73)	133
	Low	240	945 577	2.5 (2.2-2.8)	1.66 (1.16-2.39)	208
Italia	High	1138	11 077 356	1.0 (0.9-1.1)	1	73
	Medium	2306	20 326 825	1.3 (1.2-1.3)	1.24 (1.15-1.34)	92
	Low	4477	27 190 254	1.6 (1.5-1.6)	1.57 (1.47-1.69)	118

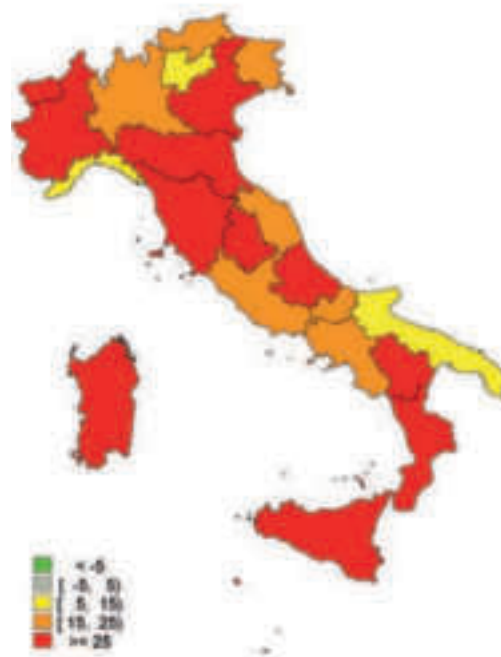
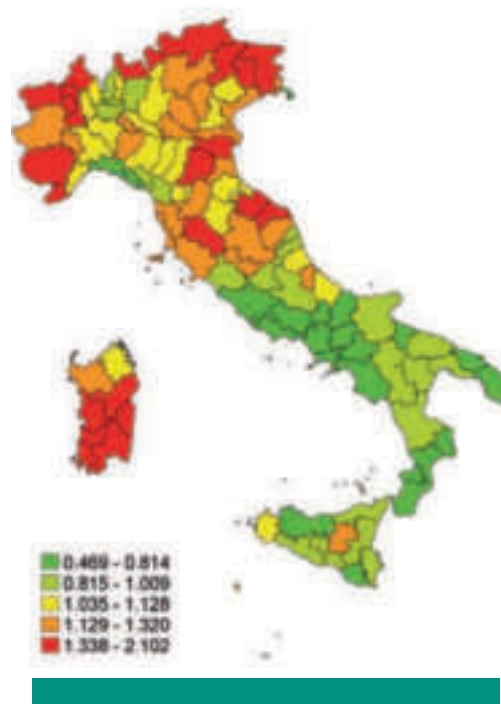


## UOMINI

MEN

ETÀ 30-89

AGE 30-89



## SUICIDIO E AUTOLESIONE INTENZIONALE

### SUICIDE AND INTENTIONAL SELF-HARM



**SMR. WOMEN:** is concentrated exclusively in the Centre-North, with excesses especially in the Eastern-most and Western-most provinces in the North as well as in the provinces in the Umbria-Marche Apennines. **MEN:** clusters can also be seen in some provinces in Emilia and in Toscana (Ferrara, Bologna, Siena) and throughout Sardegna (though fewer in the Island's Northern provinces).

**PAF. MEN:** the PAF is over 15% almost everywhere, and in many regions, it is over 25%; risks below 15% are seen only in Liguria, Puglia and Trento.

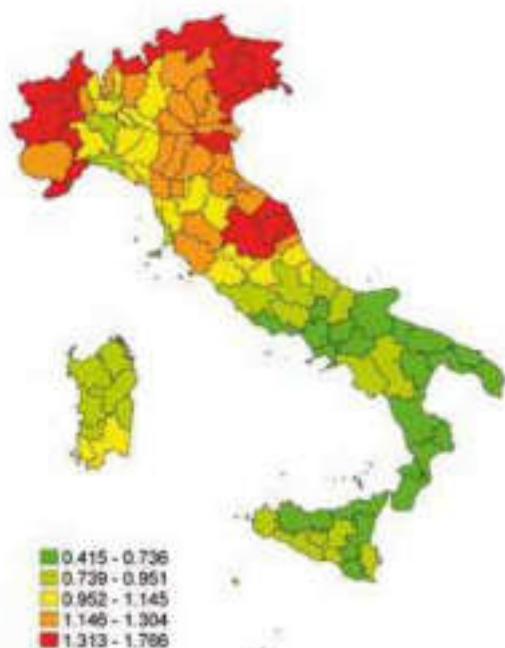
**WOMEN:** the PAF show marked heterogeneity, linked to the high random variability.



### DONNE

#### WOMEN

ETÀ 30-89  
AGE 30-89



2012-2014

REGION	EDUCATION LEVEL	NUMBER OF DEATHS	PERSON-YEARS	STANDARDIZED MORTALITY RATE		MORTALITY RATE RATIOS		STAND. YLL
				RATE x10 000 (95%CI)	MMR (95%CI)	RATE x10 000		
Piemonte	High	39	836 082	0.5 (0.4-0.7)	1		36	
	Medium	68	1 676 727	0.4 (0.3-0.5)	0.84 (0.56-1.27)		34	
	Low	137	2 414 836	0.5 (0.4-0.6)	1.07 (0.73-1.56)		43	
Valle d'Aosta	High	3	24 747	1.0 (0.3-3.2)	1		86	
	Medium	2	47 069	0.4 (0.1-1.6)	0.40 (0.07-2.46)		37	
	Low	8	67283	1.3 (0.6-2.6)	1.29 (0.33-5.11)		113	
Lombardia	High	76	1 989 400	0.4 (0.3-0.5)	1		30	
	Medium	142	3 710 635	0.4 (0.3-0.5)	1.01 (0.76-1.36)		32	
	Low	183	4 972 897	0.3 (0.3-0.4)	0.87 (0.65-1.15)		29	
Bolzano	High	7	89 740	1.0 (0.5-2.3)	1		105	
	Medium	13	199 428	0.6 (0.3-1.0)	0.57 (0.21-1.54)		63	
	Low	20	223 412	0.8 (0.5-1.3)	0.81 (0.32-2.05)		57	
Trento	High	4	103 543	0.4 (0.1-1.1)	1		38	
	Medium	10	225 643	0.4 (0.2-0.8)	1.00 (0.29-3.40)		39	
	Low	12	225 141	0.6 (0.3-1.0)	1.42 (0.43-4.73)		58	
Veneto	High	29	833 402	0.4 (0.3-0.6)	1		34	
	Medium	79	1 680 237	0.5 (0.4-0.7)	1.37 (0.87-2.16)		41	
	Low	126	2 777 381	0.5 (0.4-0.6)	1.19 (0.77-1.83)		38	
Friuli Venezia Giulia	High	14	263 149	0.6 (0.3-1.0)	1		50	
	Medium	29	503 326	0.6 (0.4-0.8)	0.96 (0.49-1.86)		53	
	Low	35	612 209	0.7 (0.5-1.0)	1.11 (0.57-2.17)		65	
Liguria	High	16	405 013	0.4 (0.2-0.7)	1		32	
	Medium	21	661 034	0.3 (0.2-0.5)	0.84 (0.43-1.66)		20	
	Low	28	786 175	0.3 (0.2-0.5)	0.82 (0.42-1.61)		28	
Emilia-Romagna	High	42	982 490	0.4 (0.3-0.6)	1		40	
	Medium	81	1 657 944	0.5 (0.4-0.7)	1.19 (0.80-1.76)		38	
	Low	107	2 237 787	0.4 (0.3-0.5)	0.87 (0.59-1.27)		24	
Toscana	High	28	804 123	0.4 (0.3-0.6)	1		26	
	Medium	52	1 314 238	0.5 (0.3-0.6)	1.19 (0.73-1.93)		31	
	Low	68	2 057 570	0.3 (0.3-0.4)	0.89 (0.56-1.41)		28	
Umbria	High	16	205 592	0.8 (0.5-1.3)	1		66	
	Medium	13	325 316	0.4 (0.2-0.7)	0.49 (0.22-1.09)		36	
	Low	28	460 587	0.5 (0.3-0.8)	0.65 (0.34-1.26)		37	
Marche	High	13	323 451	0.3 (0.2-0.5)	1		30	
	Medium	26	519 041	0.5 (0.3-0.7)	1.50 (0.75-2.99)		43	
	Low	54	856 620	0.6 (0.4-0.7)	1.84 (0.99-3.44)		39	
Lazio	High	45	1 522 088	0.3 (0.2-0.4)	1		21	
	Medium	73	2 177 071	0.4 (0.3-0.5)	1.17 (0.79-1.72)		27	
	Low	59	2 438 459	0.2 (0.2-0.3)	0.72 (0.48-1.09)		17	
Abruzzo	High	6	286 014	0.2 (0.1-0.5)	1		18	
	Medium	14	435 854	0.4 (0.2-0.7)	1.66 (0.59-4.72)		27	
	Low	28	705 762	0.3 (0.2-0.5)	1.35 (0.53-3.43)		19	
Molise	High	1	63 987	0.2 (0.0-1.4)	1		26	
	Medium	5	93 174	0.6 (0.2-1.7)	3.08 (0.33-28.65)		47	
	Low	5	182 398	0.4 (0.1-1.0)	1.92 (0.21-17.13)		43	
Campania	High	25	960 276	0.3 (0.2-0.4)	1		20	
	Medium	32	1 599 876	0.2 (0.2-0.4)	0.91 (0.52-1.62)		17	
	Low	65	3 283 605	0.2 (0.1-0.2)	0.73 (0.45-1.17)		13	
Puglia	High	11	646 788	0.2 (0.1-0.3)	1		13	
	Medium	25	1 066 681	0.3 (0.2-0.5)	1.66 (0.76-3.62)		20	
	Low	54	2 564 345	0.2 (0.2-0.3)	1.22 (0.61-2.41)		18	
Basilicata	High	1	99 340	0.1 (0.0-0.8)	1		15	
	Medium	6	170 598	0.3 (0.1-0.7)	2.63 (0.31-22.16)		31	
	Low	13	343 548	0.3 (0.2-0.6)	2.94 (0.38-22.60)		23	
Calabria	High	4	366 406	0.1 (0.0-0.4)	1		9	
	Medium	10	542 152	0.2 (0.1-0.3)	1.33 (0.40-4.44)		17	
	Low	23	1 124 577	0.2 (0.1-0.3)	1.45 (0.48-4.34)		14	
Sicilia	High	21	839 323	0.3 (0.2-0.4)	1		20	
	Medium	27	1 416 022	0.2 (0.1-0.3)	0.66 (0.36-1.22)		17	
	Low	89	2 963 827	0.3 (0.2-0.3)	0.97 (0.59-1.59)		20	
Sardegna	High	8	317 889	0.3 (0.1-0.6)	1		23	
	Medium	12	506 958	0.2 (0.1-0.4)	0.80 (0.31-2.10)		22	
	Low	38	991 152	0.4 (0.3-0.6)	1.36 (0.61-3.02)		38	
Italia	High	409	11 962 838	0.4 (0.3-0.4)	1		28	
	Medium	740	20 529 020	0.4 (0.4-0.4)	1.06 (0.93-1.21)		30	
	Low	1180	32289 567	0.3 (0.3-0.4)	0.94 (0.84-1.06)		27	