

# The main indicators of the WHO Global Monitoring Framework (GMF) on Noncommunicable Diseases

2016



In the spotlight – diabetes,  
target indicators

Noncommunicable diseases (NCD) are major public health threats in the European Region with effects extending beyond health, impacting economic and societal development. Four major groups of NCD, cardiovascular diseases, cancer, diabetes and chronic respiratory diseases, are responsible for the largest share of disease burden, including premature and avoidable death, morbidity and disability. These NCD also share common risk factors, e.g. tobacco use, harmful alcohol consumption, unhealthy diet, physical inactivity and obesity, making them a target for health promotion, prevention and control.

The NCD are considered strategic priorities for action of the World Health Organization (WHO) and its Member States, as reflected in the 2012 Global Action Plan for the prevention and control of Noncommunicable Diseases 2013–2020 and its Global Monitoring Framework, with nine voluntary targets and twenty-five indicators. Additionally, in 2014 the United Nations (UN) General Assembly proposed strengthening progress on the implementation of high-impact cost-effective interventions on NCD and setting four time-bound commitments, including defined indicators. Further recognizing NCD relevance, in 2015 the UN proposed the inclusion of a specific health target with NCD indicators in the Sustainable Development Goals 2015–2030, while considering involvement of other health-related ones in the monitoring framework. Moreover, at the European regional level, the Health 2020 policy framework includes 6 targets and 21 core health indicators, among which are several NCD-related ones. The above mandates highlight the need for improved availability, quality and timeliness of country information to allow monitoring progress on such targets.

A requisite for planning and evaluation for NCD prevention and control is the assessment of data on disease situation and trends, their risk factors and the response of the health system. Assembling and analyzing such information demands comprehensive integration of data from many sources, a challenge in some countries. The WHO Regional Office for Europe, through its NCD Project Office in Moscow, is supporting Member States to improve their capacity to present and interpret their NCD data in a manner suitable for policy-making. When required, assistance is also provided for strengthening data availability through survey implementation, disease registries functioning and compilation of other relevant information, to achieving Health 2020 and the time-bound UN NCD review of 2014. Furthermore, the Regional Office is monitoring current conditions and changes on NCD in its Member States, as well as progress towards global and regional targets. This is done jointly with other WHO technical units, for example, through collaboration in the European Health Information Gateway, where multiple European health databases and other related information resources are compiled in the Web.

We are pleased to present *The main indicators of the WHO Global Monitoring Framework (GMF) on Noncommunicable Diseases 2016*, which exemplifies the joint effort of WHO and its Member States to offer recently available, comparable and policy-relevant NCD information. This set of data and graphs come from diverse WHO sources and altogether provide an account of the status and progress of key indicators, highlighted in colour, in countries of the European Region. Also, selected diabetes-related indicators are presented in a section to showcase the relevance of this special topic in the Region. We expect that this publication will become a useful tool for policy-makers, public health professionals and other interested users.

*Gauden Galea*  
Director

# Noncommunicable diseases targets: demographic and mortality indicators

Country	1	2	3	4	5						
	Mid-year population (thousands)	Proportion of all deaths due to (%)				Age-standardized death rates per 100 000 population					
		All causes mortality, all ages, both sexes	cancer	diseases of circulatory system	Both	Major noncommunicable diseases (cardiovascular disease, cancer, diabetes, or chronic respiratory disease), (30–69 years), by sex					
						Males			Females		
2013	2013	2013	2013	2010	2013	2010	2013	2010	2013		
Albania	2897	...	...	...	...	...	...	...	...		
Andorra	76	...	...	...	...	...	...	...	...		
Armenia	3022	907.6 <sup>a</sup>	20.7 <sup>a</sup>	47.6 <sup>a</sup>	499.1 <sup>c</sup>	508.5 <sup>a</sup>	708.6 <sup>c</sup>	713.5 <sup>a</sup>	331.5 <sup>c</sup>	343.7 <sup>a</sup>	
Austria	8477	529.0	28.4 <sup>a</sup>	37.4	259.7	247.6 <sup>a</sup>	339.3	314.8 <sup>a</sup>	185.6	185.3 <sup>a</sup>	
Azerbaijan	9417	940.4 <sup>c</sup>	9.3 <sup>c</sup>	58.6 <sup>c</sup>	...	494.2 <sup>c</sup>	...	648.8 <sup>c</sup>	...	362.2 <sup>c</sup>	
Belarus	9466	1137.2 <sup>b</sup>	13.9 <sup>b</sup>	50.2 <sup>b</sup>	721.3 <sup>c</sup>	715.7 <sup>b</sup>	1158.3 <sup>c</sup>	1147.0 <sup>b</sup>	394.4 <sup>c</sup>	390.7 <sup>b</sup>	
Belgium	11 178	568.0 <sup>a</sup>	28.0 <sup>a</sup>	25.8 <sup>a</sup>	264.4	257.2 <sup>b</sup>	332.1	320.7 <sup>c</sup>	199.5	196.5 <sup>b</sup>	
Bosnia and Herzegovina	3838	802.2 <sup>b</sup>	19.5 <sup>b</sup>	53.2 <sup>b</sup>	...	407.3 <sup>b</sup>	...	543.0 <sup>b</sup>	...	288.7 <sup>b</sup>	
Bulgaria	7265	932.9 <sup>b</sup>	16.7 <sup>b</sup>	63.5 <sup>b</sup>	589.9	572.1 <sup>b</sup>	841.3	807.8 <sup>b</sup>	372.6	364.1 <sup>b</sup>	
Croatia	4256	721.5	29.0	44.9	410.4	384.4	575.3	538.9	283.7	246.4	
Cyprus	862	514.8 <sup>a</sup>	23.1 <sup>a</sup>	35.9 <sup>a</sup>	204.7	201.5 <sup>a</sup>	279.7	273.6 <sup>a</sup>	133.7	134.0 <sup>a</sup>	
Czech Republic	10 511	619.9	28.8	49.9	385.0	358.9	531.0	487.5	253.4	241.5	
Denmark	5609	583.1 <sup>a</sup>	31.8 <sup>a</sup>	23.3 <sup>a</sup>	273.9	257.9 <sup>a</sup>	314.1	296.5 <sup>a</sup>	234.5	220.0 <sup>a</sup>	
Estonia	1318	759.7 <sup>b</sup>	24.5 <sup>b</sup>	48.6 <sup>b</sup>	448.6	414.9 <sup>a</sup>	701.5	638.1 <sup>a</sup>	261.7	242.6 <sup>a</sup>	
Finland	5427	535.1	24.9	35.0	255.9	239.7 <sup>a</sup>	345.7	319.1 <sup>a</sup>	170.0	163.6 <sup>a</sup>	
France	63 794	484.6 <sup>b</sup>	32.7 <sup>b</sup>	22.1 <sup>b</sup>	238.2	231.7 <sup>b</sup>	324.0	314.8 <sup>b</sup>	158.0	154.2 <sup>b</sup>	
Georgia	4487	819.9	10.8	36.0	262.5	338.0 <sup>a</sup>	381.1	511.4 <sup>a</sup>	168.0	197.1 <sup>a</sup>	
Germany	80 646	563.9	27.8	35.4	269.5	262.5	347.4	334.5	194.5	193.7	
Greece	11 055	553.1 <sup>a</sup>	27.6 <sup>a</sup>	39.3 <sup>a</sup>	256.3	274.7 <sup>a</sup>	357.5	386.6 <sup>a</sup>	162.5	171.4 <sup>a</sup>	
Hungary	9893	840.7	27.7	46.0	588.0	543.8	847.6	760.6	374.8	362.0	
Iceland	324	507.4 <sup>c</sup>	30.7 <sup>c</sup>	34.1 <sup>c</sup>	202.3 <sup>c</sup>	211.0 <sup>c</sup>	231.2 <sup>c</sup>	264.7 <sup>c</sup>	173.3 <sup>c</sup>	156.4 <sup>c</sup>	
Ireland	4593	548.4 <sup>a</sup>	31.1 <sup>a</sup>	31.3 <sup>a</sup>	278.0 <sup>c</sup>	272.5 <sup>c</sup>	333.7 <sup>c</sup>	335.6 <sup>c</sup>	222.4 <sup>c</sup>	209.6 <sup>c</sup>	
Israel	8060	472.9	28.5	22.8	204.3	189.9 <sup>a</sup>	246.5	230.4 <sup>a</sup>	166.1	153.0 <sup>a</sup>	
Italy	60 234	483.2 <sup>a</sup>	32.2 <sup>a</sup>	32.9 <sup>a</sup>	220.2	222.0 <sup>b</sup>	284.0	284.8 <sup>b</sup>	161.0	163.9 <sup>b</sup>	
Kazakhstan	17 035	1197.3 <sup>a</sup>	12.2 <sup>a</sup>	30.7 <sup>a</sup>	754.7	648.3 <sup>a</sup>	1098.5	944.1 <sup>a</sup>	492.6	422.3 <sup>a</sup>	
Kyrgyzstan	5720	1087.9	10.6	60.5	659.5	604.1	906.5	833.1	454.3	417.4	
Latvia	2013	910.9 <sup>a</sup>	21.4 <sup>a</sup>	51.7 <sup>a</sup>	616.4	563.1 <sup>a</sup>	948.6	875.1 <sup>a</sup>	371.3	330.4 <sup>a</sup>	
Lithuania	2958	893.1 <sup>a</sup>	20.4 <sup>a</sup>	50.5 <sup>a</sup>	549.2	524.6 <sup>a</sup>	863.8	825.7 <sup>a</sup>	312.5	298.0 <sup>a</sup>	
Luxembourg	543	476.6	30.0	29.6	232.4	227.6 <sup>a</sup>	289.6	289.0 <sup>a</sup>	175.3	165.3 <sup>a</sup>	
Malta	423	496.4	27.1	38.1	245.7	245.1 <sup>b</sup>	310.8	303.7 <sup>b</sup>	183.5	188.5 <sup>b</sup>	
Monaco	37	...	...	...	...	...	...	...	...	...	
Montenegro	621	846.1 <sup>c</sup>	15.2 <sup>c</sup>	54.6 <sup>c</sup>	433.9 <sup>c</sup>	446.8 <sup>c</sup>	570.3 <sup>c</sup>	565.8 <sup>c</sup>	314.2 <sup>c</sup>	344.0 <sup>c</sup>	
Netherlands	16 804	522.5	32.5	25.5	260.1	248.8 <sup>a</sup>	300.4	281.3 <sup>a</sup>	220.1	216.6 <sup>a</sup>	
Norway	5080	505.9	28.9	26.5	225.3	211.5 <sup>a</sup>	264.2	247.2 <sup>a</sup>	186.3	175.3 <sup>a</sup>	
Poland	38 502	734.3	25.5	42.8	436.4	427.7 <sup>a</sup>	617.3	599.2 <sup>a</sup>	279.9	277.7 <sup>a</sup>	
Portugal	10 457	546.9	27.6	26.3	241.9	235.6 <sup>a</sup>	338.3	327.7 <sup>a</sup>	156.8	154.5 <sup>a</sup>	
Republic of Moldova	3559	1072.4	15.2	58.4	715.8	591.4	983.3	821.6	500.1	405.6	
Romania	21 267	901.3 <sup>a</sup>	20.2 <sup>a</sup>	56.4 <sup>a</sup>	535.2	501.0 <sup>a</sup>	763.4	714.9 <sup>a</sup>	337.3	315.7 <sup>a</sup>	
Russian Federation	142 834	1134.0 <sup>b</sup>	15.3 <sup>b</sup>	54.1 <sup>b</sup>	744.2	697.5 <sup>b</sup>	1152.0	1075.5 <sup>b</sup>	446.3	419.1 <sup>b</sup>	
San Marino	32	467.8 <sup>c</sup>	44.2 <sup>c</sup>	40.1 <sup>c</sup>	...	290.0 <sup>c</sup>	...	312.4 <sup>c</sup>	...	268.7 <sup>c</sup>	
Serbia	7164	894.5	22.1	50.7	545.0	485.7	715.2	641.0	393.3	345.9	
Slovakia	5413	849.7 <sup>c</sup>	23.1 <sup>c</sup>	51.8 <sup>c</sup>	471.1 <sup>c</sup>	457.1 <sup>c</sup>	682.9 <sup>c</sup>	664.3 <sup>c</sup>	292.9 <sup>c</sup>	282.4 <sup>c</sup>	
Slovenia	2059	599.7 <sup>c</sup>	32.7 <sup>c</sup>	36.4 <sup>c</sup>	304.6 <sup>c</sup>	289.0 <sup>c</sup>	417.2 <sup>c</sup>	392.2 <sup>c</sup>	197.8 <sup>c</sup>	189.5 <sup>c</sup>	
Spain	46 593	452.9	32.5	27.0	228.4	221.2 <sup>a</sup>	321.9	308.5 <sup>a</sup>	141.3	138.8 <sup>a</sup>	
Sweden	9600	496.6	27.8	33.5	207.3	200.4 <sup>a</sup>	241.2	228.6 <sup>a</sup>	173.5	172.4 <sup>a</sup>	
Switzerland	8078	452.9	29.6	29.5	202.0 <sup>c</sup>	197.5 <sup>c</sup>	251.4 <sup>c</sup>	246.4 <sup>c</sup>	154.2 <sup>c</sup>	150.2 <sup>c</sup>	
Tajikistan	8112	940.5 <sup>c</sup>	7.7 <sup>c</sup>	59.6 <sup>c</sup>	...	...	...	...	...	...	
MKD*	2073	939.5 <sup>c</sup>	18.3 <sup>c</sup>	58.9 <sup>c</sup>	498.9 <sup>c</sup>	491.2 <sup>c</sup>	635.2 <sup>c</sup>	624.8 <sup>c</sup>	370.8 <sup>c</sup>	365.7 <sup>c</sup>	
Turkey	76 055	635.6	20.8	41.3	316.5	323.2	428.7	442.4	211.2	211.0	
Turkmenistan	5240	1072.9	8.2	46.9	692.0	723.0	856.0	910.5	546.0	559.0	
Ukraine	45 246	1087.4 <sup>a</sup>	15.0 <sup>a</sup>	61.3 <sup>a</sup>	709.5	667.2 <sup>a</sup>	1072.1	1016.3 <sup>a</sup>	448.3	413.0 <sup>a</sup>	
United Kingdom	63 905	533.6 <sup>b</sup>	31.7 <sup>b</sup>	27.1 <sup>b</sup>	269.2 <sup>c</sup>	264.2 <sup>c</sup>	325.1 <sup>c</sup>	318.6 <sup>c</sup>	216.2 <sup>c</sup>	212.5 <sup>c</sup>	
Uzbekistan	30 243	1149.2 <sup>c</sup>	6.7 <sup>c</sup>	65.6 <sup>c</sup>	...	722.2 <sup>c</sup>	...	877.8 <sup>c</sup>	...	577.2 <sup>c</sup>	
WHO European Region	904 598	751.9 <sup>a</sup>	20.8 <sup>a</sup>	45.3 <sup>a</sup>	423.5	405.3 <sup>a</sup>	590.0	562.7 <sup>a</sup>	283.4	271.6 <sup>a</sup>	

\* The former Yugoslav Republic of Macedonia

Note: a = 2012, b = 2011, c = 2010–2005

# Noncommunicable diseases targets: mortality indicators

Country	6		7		8		9		10		11	
	Probability (%) of dying between ages 30 and 70 from cancer, diabetes, cardiovascular or chronic respiratory disease, both sexes		Age-standardized death rates per 100 000 population									
			Diseases of circulatory system, all ages, by sex		Ischaemic heart disease, all ages, by sex		Cerebrovascular diseases, all ages, by sex		Diseases of the respiratory system, all ages, both sexes		Diabetes, all ages, both sexes	
	2000	2012	2013	Females	2013	Females	2013	Females	2013	2013	2013	
Albania	24.0	19.0	...	...	...	...	...	...	...	...	...	
Andorra	...	...	...	...	...	...	...	...	...	...	...	
Armenia	31.0	30.0	524.6 <sup>a</sup>	366.5 <sup>a</sup>	351.8 <sup>a</sup>	211.4 <sup>a</sup>	98.5 <sup>a</sup>	82.2 <sup>a</sup>	53.8 <sup>a</sup>	41.5 <sup>a</sup>	...	
Austria	15.0	12.0	237.6	164.7	122.0	63.7	32.9	27.9	25.6	17.5	...	
Azerbaijan	32.0	23.0	616.8 <sup>c</sup>	488.9 <sup>c</sup>	149.3 <sup>c</sup>	93.2 <sup>c</sup>	188.9 <sup>c</sup>	176.9 <sup>c</sup>	55.9 <sup>c</sup>	13.8 <sup>c</sup>	...	
Belarus	33.0	26.0	868.0 <sup>b</sup>	394.0 <sup>b</sup>	625.4 <sup>b</sup>	263.6 <sup>b</sup>	167.1 <sup>b</sup>	101.6 <sup>b</sup>	27.6 <sup>b</sup>	2.5 <sup>b</sup>	...	
Belgium	16.0	12.0	181.1 <sup>a</sup>	118.7 <sup>a</sup>	63.8 <sup>a</sup>	26.1 <sup>a</sup>	35.0 <sup>a</sup>	29.7 <sup>a</sup>	53.0 <sup>a</sup>	8.3 <sup>a</sup>	...	
Bosnia and Herzegovina	24.0	18.0	474.8 <sup>b</sup>	385.4 <sup>b</sup>	93.5 <sup>b</sup>	54.8 <sup>b</sup>	109.6 <sup>b</sup>	97.2 <sup>b</sup>	27.7 <sup>b</sup>	40.2 <sup>b</sup>	...	
Bulgaria	28.0	24.0	732.4 <sup>b</sup>	478.3 <sup>b</sup>	145.6 <sup>b</sup>	73.5 <sup>b</sup>	199.7 <sup>a</sup>	145.8 <sup>a</sup>	36.1 <sup>b</sup>	13.2 <sup>b</sup>	...	
Croatia	23.0	18.0	392.8	269.0	187.5	113.8	110.3	82.5	28.4	16.7	...	
Cyprus	14.0	9.0	217.3 <sup>a</sup>	155.2 <sup>a</sup>	92.5 <sup>a</sup>	34.6 <sup>a</sup>	36.3 <sup>a</sup>	34.5 <sup>a</sup>	38.5 <sup>a</sup>	32.8 <sup>a</sup>	...	
Czech Republic	23.0	17.0	384.7	251.0	217.7	128.0	69.1	54.1	42.6	22.6	...	
Denmark	18.0	13.0	170.1 <sup>a</sup>	107.6 <sup>a</sup>	64.2 <sup>a</sup>	31.7 <sup>a</sup>	39.3 <sup>a</sup>	30.4 <sup>a</sup>	59.2 <sup>a</sup>	14.6 <sup>a</sup>	...	
Estonia	28.0	19.0	510.1 <sup>b</sup>	279.2 <sup>b</sup>	255.6 <sup>b</sup>	124.2 <sup>b</sup>	73.5 <sup>b</sup>	45.1 <sup>b</sup>	21.7 <sup>b</sup>	8.1 <sup>b</sup>	...	
Finland	15.0	11.0	250.0	136.3	143.9	65.1	47.6	35.7	18.9	5.6	...	
France	14.0	11.0	141.0 <sup>b</sup>	81.0 <sup>b</sup>	45.0 <sup>b</sup>	16.4 <sup>b</sup>	28.7 <sup>b</sup>	20.8 <sup>b</sup>	26.3 <sup>b</sup>	9.1 <sup>b</sup>	...	
Georgia	25.0	22.0	388.4	226.1	109.6	54.6	94.8	61.4	19.8	18.6	...	
Germany	16.0	12.0	239.2	165.2	105.0	51.5	35.4	29.8	38.5	14.1	...	
Greece	15.0	13.0	257.1 <sup>a</sup>	180.6 <sup>a</sup>	92.3 <sup>a</sup>	35.3 <sup>a</sup>	68.2 <sup>a</sup>	62.0 <sup>a</sup>	47.3 <sup>a</sup>	5.6 <sup>a</sup>	...	
Hungary	28.0	24.0	494.1	310.7	262.0	152.2	96.0	65.6	45.8	16.5	...	
Iceland	13.0	10.0	218.6 <sup>c</sup>	131.9 <sup>c</sup>	117.5 <sup>c</sup>	54.6 <sup>c</sup>	42.7 <sup>c</sup>	31.8 <sup>c</sup>	42.4 <sup>c</sup>	7.6 <sup>c</sup>	...	
Ireland	18.0	11.0	214.0 <sup>b</sup>	134.9 <sup>b</sup>	123.3 <sup>a</sup>	58.4 <sup>a</sup>	34.2 <sup>a</sup>	33.2 <sup>a</sup>	61.7 <sup>a</sup>	9.7 <sup>a</sup>	...	
Israel	14.0	9.0	129.0	90.3	58.5	30.0	28.5	22.4	34.2	29.1	...	
Italy	13.0	10.0	193.7 <sup>a</sup>	131.5 <sup>a</sup>	75.2 <sup>a</sup>	37.7 <sup>a</sup>	44.9 <sup>a</sup>	37.5 <sup>a</sup>	29.4 <sup>a</sup>	15.8 <sup>a</sup>	...	
Kazakhstan	42.0	34.0	516.9 <sup>a</sup>	262.9 <sup>a</sup>	192.2 <sup>a</sup>	81.4 <sup>a</sup>	152.4 <sup>a</sup>	95.9 <sup>a</sup>	79.7 <sup>a</sup>	9.9 <sup>a</sup>	...	
Kyrgyzstan	34.0	29.0	806.1	545.3	524.0	358.1	209.3	148.2	63.8	13.6	...	
Latvia	28.0	24.0	655.1 <sup>a</sup>	353.4 <sup>a</sup>	354.7 <sup>a</sup>	174.3 <sup>a</sup>	163.1 <sup>a</sup>	113.9 <sup>a</sup>	24.0 <sup>a</sup>	14.2 <sup>a</sup>	...	
Lithuania	24.0	22.0	616.0 <sup>a</sup>	340.1 <sup>a</sup>	405.9 <sup>a</sup>	209.8 <sup>a</sup>	124.4 <sup>a</sup>	92.8 <sup>a</sup>	27.3 <sup>a</sup>	6.9 <sup>a</sup>	...	
Luxembourg	15.0	11.0	167.1	118.6	61.1	32.8	34.2	25.9	33.7	9.5	...	
Malta	16.0	12.0	231.9	153.7	140.2	73.9	41.4	36.8	49.9	16.1	...	
Monaco	...	...	...	...	...	...	...	...	...	...	...	
Montenegro	26.0	22.0	510.1 <sup>c</sup>	415.4 <sup>c</sup>	83.5 <sup>c</sup>	39.7 <sup>c</sup>	66.6 <sup>c</sup>	74.8 <sup>c</sup>	38.7 <sup>c</sup>	11.2 <sup>c</sup>	...	
Netherlands	16.0	12.0	161.3	109.1	47.8	22.0	33.2	30.3	42.3	10.2	...	
Norway	14.0	11.0	165.8	107.1	71.6	33.9	33.2	28.2	46.0	7.9	...	
Poland	24.0	20.0	410.4	241.9	109.7	49.1	69.5	49.2	41.8	13.7	...	
Portugal	15.0	12.0	174.8	119.8	48.4	22.9	65.9	47.4	55.4	21.0	...	
Republic of Moldova	33.0	26.0	750.7	536.6	498.2	344.7	193.0	150.0	48.1	10.2	...	
Romania	27.0	23.0	603.5 <sup>a</sup>	431.1 <sup>a</sup>	219.3 <sup>a</sup>	136.8 <sup>a</sup>	176.8 <sup>a</sup>	137.3 <sup>a</sup>	49.4 <sup>a</sup>	7.9 <sup>a</sup>	...	
Russian Federation	37.0	30.0	836.1 <sup>b</sup>	469.3 <sup>b</sup>	463.1 <sup>b</sup>	235.6 <sup>b</sup>	229.3 <sup>b</sup>	159.7 <sup>b</sup>	44.7 <sup>b</sup>	5.2 <sup>b</sup>	...	
San Marino	...	...	242.2 <sup>c</sup>	155.5 <sup>c</sup>	30.9 <sup>c</sup>	8.3 <sup>c</sup>	58.9 <sup>c</sup>	49.4 <sup>c</sup>	6.9 <sup>c</sup>	4.5 <sup>c</sup>	...	
Serbia	30.0	25.0	516.3	398.3	114.7	62.2	118.8	100.0	41.9	23.8	...	
Slovakia	25.0	19.0	551.8 <sup>c</sup>	360.3 <sup>c</sup>	333.8 <sup>c</sup>	209.6 <sup>c</sup>	107.5 <sup>c</sup>	76.9 <sup>c</sup>	52.0 <sup>c</sup>	10.3 <sup>c</sup>	...	
Slovenia	18.0	13.0	269.2 <sup>c</sup>	178.1 <sup>c</sup>	94.9 <sup>c</sup>	40.5 <sup>c</sup>	71.2 <sup>c</sup>	49.1 <sup>c</sup>	32.3 <sup>c</sup>	7.8 <sup>c</sup>	...	
Spain	14.0	11.0	151.0	97.3	57.2	22.5	31.6	25.1	42.8	9.6	...	
Sweden	13.0	10.0	204.4	134.0	94.6	46.2	35.9	31.4	31.0	10.8	...	
Switzerland	13.0	9.0	164.3	108.7	69.9	33.4	24.3	21.6	26.8	8.6	...	
Tajikistan	30.0	29.0	672.8 <sup>c</sup>	486.4 <sup>c</sup>	284.4 <sup>c</sup>	173.3 <sup>c</sup>	110.1 <sup>c</sup>	94.4 <sup>c</sup>	78.8 <sup>c</sup>	23.3 <sup>c</sup>	...	
MKD*	26.0	22.0	626.9 <sup>c</sup>	490.8 <sup>c</sup>	112.9 <sup>c</sup>	57.1 <sup>c</sup>	197.2 <sup>c</sup>	172.1 <sup>c</sup>	34.4 <sup>c</sup>	34.1 <sup>c</sup>	...	
Turkey	24.0	18.0	306.7	224.8	136.0	72.6	71.1	61.4	64.1	29.8	...	
Turkmenistan	39.0	41.0	765.1	522.6	365.7	240.3	191.4	140.5	30.7	19.9	...	
Ukraine	34.0	28.0	873.3 <sup>a</sup>	532.6 <sup>a</sup>	599.7 <sup>a</sup>	356.0 <sup>a</sup>	173.5 <sup>a</sup>	121.2 <sup>a</sup>	29.0 <sup>a</sup>	4.0 <sup>a</sup>	...	
United Kingdom	16.0	12.0	181.8 <sup>b</sup>	112.6 <sup>b</sup>	100.9 <sup>b</sup>	44.4 <sup>b</sup>	34.4	32.0	66.7 <sup>b</sup>	5.4 <sup>b</sup>	...	
Uzbekistan	33.0	31.0	858.2 <sup>c</sup>	662.3 <sup>c</sup>	453.7 <sup>c</sup>	320.9 <sup>c</sup>	190.4 <sup>c</sup>	164.0 <sup>c</sup>	66.4 <sup>c</sup>	30.2 <sup>c</sup>	...	
WHO European Region	...	...	427.3 <sup>a</sup>	275.6 <sup>a</sup>	209.9 <sup>a</sup>	116.4 <sup>a</sup>	99.4 <sup>a</sup>	77.0 <sup>a</sup>	45.0 <sup>a</sup>	12.9 <sup>a</sup>	...	

\* The former Yugoslav Republic of Macedonia

Note: a = 2012, b = 2011, c = 2010–2005

# Noncommunicable diseases targets: cancer indicators

	12	13	14	15	16	17	18	19	20
Age-standardised rates per 100 000 population									
Country	Incidence, all ages, by sex					Mortality, all ages, by sex			
	All cancers	Lung	Colorectum	Breast	Cervix uteri	Lung	Colorectum	Breast	Cervix uteri
	Both	Both	Both	Females	Females	Both	Both	Females	Females
	2013	2012	2012	2012	2012	2013	2013	2013	2013
Albania	135.9	26.2	8.4	53.9	5.0	...	...	...	...
Andorra	...	...	...	...	...	...	...	...	...
Armenia	261.8	35.9	19.3	74.1	13.8	41.8 <sup>a</sup>	14.1 <sup>a</sup>	32.7 <sup>a</sup>	5.5 <sup>a</sup>
Austria	441.9 <sup>b</sup>	27.5	26.0	68.0	5.8	31.6	15.0	20.9	2.3
Azerbaijan	96.3	11.5	6.7	25.4	9.8	11.1 <sup>c</sup>	3.8 <sup>c</sup>	7.6 <sup>c</sup>	2.1 <sup>a</sup>
Belarus	464.9	26.2	24.4	45.9	13.2	31.7 <sup>b</sup>	19.3 <sup>b</sup>	18.1 <sup>b</sup>	5.4 <sup>b</sup>
Belgium	586.8 <sup>a</sup>	36.8	36.7	111.9	8.6	41.1 <sup>a</sup>	16.4 <sup>a</sup>	25.4 <sup>a</sup>	2.3 <sup>a</sup>
Bosnia and Herzegovina	230.2	26.5	16.6	37.4	13.7	41.7 <sup>b</sup>	17.4 <sup>b</sup>	17.8 <sup>b</sup>	4.5 <sup>a</sup>
Bulgaria	461.9	28.1	31.5	58.5	24.5	36.3 <sup>b</sup>	20.1 <sup>b</sup>	22.2 <sup>b</sup>	7.3 <sup>a</sup>
Croatia	484.2 <sup>a</sup>	34.3	32.9	60.9	10.0	47.6	29.2	26.8	4.0
Cyprus	378.5 <sup>b</sup>	16.2	24.5	78.4	4.1	25.5 <sup>a</sup>	12.0 <sup>a</sup>	19.6 <sup>a</sup>	1.3 <sup>a</sup>
Czech Republic	817.0 <sup>b</sup>	32.5	38.9	70.3	14.1	37.8	23.1	19.9	5.0
Denmark	661.0	39.2	40.5	105.0	10.6	46.3 <sup>a</sup>	21.9 <sup>a</sup>	25.9 <sup>a</sup>	2.7 <sup>a</sup>
Estonia	597.6 <sup>b</sup>	24.4	27.2	51.6	19.9	36.3 <sup>b</sup>	20.4 <sup>b</sup>	22.6 <sup>b</sup>	7.4 <sup>b</sup>
Finland	563.5 <sup>a</sup>	20.1	23.5	89.4	4.3	25.9	13.3	19.2	1.2
France	558.9 <sup>a</sup>	35.0	30.0	89.7	6.8	36.5 <sup>b</sup>	16.1 <sup>b</sup>	22.5 <sup>b</sup>	1.8 <sup>b</sup>
Georgia	110.1	15.9	8.5	44.0	14.2	17.8	5.8	15.4	4.8
Germany	583.8 <sup>c</sup>	27.5	30.9	91.6	8.2	35.0	16.8	23.6	2.9
Greece	...	28.5	13.5	43.9	5.2	41.1 <sup>a</sup>	12.9 <sup>a</sup>	20.7 <sup>a</sup>	1.9 <sup>a</sup>
Hungary	945.2	51.6	42.3	54.5	18.0	67.6	34.4	25.9	6.1
Iceland	455.5 <sup>a</sup>	29.8	28.4	96.3	7.9	38.0 <sup>c</sup>	17.1 <sup>c</sup>	20.1 <sup>c</sup>	1.4 <sup>c</sup>
Ireland	436.0 <sup>a</sup>	31.3	34.9	92.3	13.6	38.1 <sup>a</sup>	19.2 <sup>a</sup>	26.6 <sup>a</sup>	4.0 <sup>a</sup>
Israel	346.5 <sup>a</sup>	21.2	35.9	80.5	4.6	25.4	16.5	25.5	2.0
Italy	578.2	24.5	33.9	91.3	6.7	33.6 <sup>a</sup>	16.8 <sup>a</sup>	21.7 <sup>a</sup>	0.9 <sup>a</sup>
Kazakhstan	193.9	27.9	22.8	63.0	29.4	27.8 <sup>a</sup>	13.6 <sup>a</sup>	19.7 <sup>a</sup>	9.1 <sup>a</sup>
Kyrgyzstan	89.6	15.6	8.2	27.3	23.7	17.9	7.9	11.8	11.7
Latvia	576.3	27.8	23.7	52.1	17.3	35.4 <sup>a</sup>	23.3 <sup>a</sup>	22.6 <sup>a</sup>	8.5 <sup>a</sup>
Lithuania	593.6 <sup>a</sup>	26.2	23.4	48.7	26.1	35.6 <sup>a</sup>	19.1 <sup>a</sup>	22.3 <sup>a</sup>	9.0 <sup>a</sup>
Luxembourg	468.4 <sup>b</sup>	28.4	31.5	89.1	4.9	29.4	18.0	23.3	2.9
Malta	444.0	20.4	31.9	85.9	3.8	25.0	17.0	24.9	1.4
Monaco	...	...	...	...	...	...	...	...	...
Montenegro	294.3	39.6	28.2	59.7	20.2	46.2 <sup>c</sup>	11.4 <sup>c</sup>	20.4 <sup>c</sup>	3.5 <sup>c</sup>
Netherlands	693.6	37.2	40.2	99.0	6.8	43.3	19.5	24.7	1.9
Norway	598.8 <sup>a</sup>	30.0	38.9	73.1	9.8	32.0	20.2	17.4	2.2
Poland	396.7 <sup>a</sup>	38.0	27.0	51.9	12.2	49.4	21.6	20.9	6.5
Portugal	374.0 <sup>c</sup>	20.2	31.7	67.6	9.0	28.0	21.1	18.1	2.5
Republic of Moldova	237.2	23.5	28.3	38.7	19.6	30.2	22.9	23.3	8.1
Romania	286.8	32.6	26.4	50.0	28.6	42.3 <sup>a</sup>	20.5 <sup>a</sup>	21.2 <sup>a</sup>	12.0 <sup>a</sup>
Russian Federation	375.2	24.0	24.5	45.6	15.3	33.3 <sup>b</sup>	22.0 <sup>b</sup>	23.3 <sup>b</sup>	6.9 <sup>b</sup>
San Marino	549.5 <sup>b</sup>	...	...	...	...	42.0 <sup>c</sup>	19.4 <sup>c</sup>	16.7 <sup>c</sup>	0.0 <sup>c</sup>
Serbia	505.7 <sup>a</sup>	45.6	32.6	69.0	23.8	53.9	23.8	28.9	9.1
Slovakia	557.6 <sup>c</sup>	28.3	42.7	57.5	16.1	37.6 <sup>c</sup>	28.0 <sup>c</sup>	22.0 <sup>c</sup>	6.3 <sup>c</sup>
Slovenia	629.6 <sup>b</sup>	33.9	37.0	66.5	10.5	41.8 <sup>c</sup>	25.6 <sup>c</sup>	24.7 <sup>c</sup>	3.0 <sup>c</sup>
Spain	...	30.3	33.1	67.3	7.8	34.9	19.9	17.3	2.0
Sweden	638.5	19.1	29.2	80.4	7.4	24.1	16.7	19.0	2.4
Switzerland	484.6 <sup>b</sup>	27.3	29.4	83.1	3.6	27.7	12.7	20.0	1.2
Tajikistan	36.7 <sup>a</sup>	7.7	5.5	20.4	9.9	6.7 <sup>c</sup>	3.0 <sup>c</sup>	7.2 <sup>c</sup>	2.9 <sup>c</sup>
MKD*	285.8 <sup>c</sup>	40.8	24.3	76.2	12.4	42.2 <sup>c</sup>	17.5 <sup>c</sup>	27.7 <sup>c</sup>	2.8 <sup>c</sup>
Turkey	158.5 <sup>c</sup>	34.7	16.6	39.1	4.3	42.1	11.4	11.3	1.7
Turkmenistan	71.4	12.7	9.0	26.8	13.1	7.7	4.0	14.7	9.5
Ukraine	361.3	22.2	23.4	41.3	16.6	29.5 <sup>a</sup>	21.0 <sup>a</sup>	24.0 <sup>a</sup>	7.5 <sup>a</sup>
United Kingdom	532.5 <sup>a</sup>	30.0	30.2	95.0	7.1	39.1 <sup>b</sup>	16.3 <sup>b</sup>	24.6 <sup>b</sup>	2.4 <sup>b</sup>
Uzbekistan	66.1	8.0	5.3	27.1	13.5	11.6 <sup>c</sup>	3.9 <sup>c</sup>	11.6 <sup>c</sup>	5.7 <sup>c</sup>
WHO European Region	420.3 <sup>a</sup>	28.7	28.2	66.5	11.2	34.9 <sup>a</sup>	17.4 <sup>a</sup>	20.6 <sup>a</sup>	4.2 <sup>a</sup>

\* The former Yugoslav Republic of Macedonia

Note: a = 2012, b = 2011, c = 2010–2005

# Risk factors: alcohol and tobacco

Country	21	22	23	24	25					26	27
	Recorded alcohol per capita (15 years & over) consumption (litres of pure alcohol), 3-year average, total	Heavy episodic drinking (population 15 years & over) past 30 days, (%), total**	15–19 years old heavy episodic drinkers (population), (%), total	Alcohol use disorders (15 years & over), 12 month prevalence (%), total**	Prevalence current smoking any tobacco product, (%), by sex**					Price of 20-cigarette pack of most sold brand (Int'l. dollars at PPP)	Specific excise tax as a % of price of most sold brands
					Both	Males		Females			
	2008–2010	2010	2010	2010	2013	2009	2013	2009	2013	2014	2014
Albania	4.9	6.4	21.5	5.3	29.7	60.1	51.7	19.4	8.0	3.9	45.0
Andorra	12.4	4.2	31.8	5.7	33.1	38.4	38.1	32.3	28.1	...	63.9
Armenia	3.8	20.3	20.6	5.4	28.0	50.9	54.2	2.1	1.7	2.7	16.7
Austria	9.7	38.5	34.6	10.2	...	47.4	...	45.1	...	5.6	16.3
Azerbaijan	1.3	10.3	17.5	5.0	23.5	41.2	47.8	...	0.4	2.5	2.0
Belarus	14.4	26.5	33.5	17.5	27.9	48.9	48.2	8.8	10.9	2.8	34.5
Belgium	10.5	33.7	45.4	6.4	23.9	30.0	27.5	22.0	20.5	6.4	8.2
Bosnia and Herzegovina	4.6	6.5	21.0	5.5	39.2	46.5	48.3	35.6	30.8	4.5	24.3
Bulgaria	10.3	18.9	26.9	7.7	36.8	47.5	44.3	26.9	29.8	6.4	43.0
Croatia	10.2	11.9	28.8	5.6	36.0	36.5	39.5	29.6	32.7	5.5	18.3
Cyprus	8.2	25.4	29.6	6.0	...	...	...	...	...	5.5	27.5
Czech Republic	11.8	36.5	28.0	5.1	33.4	42.9	37.8	30.9	29.2	5.3	33.1
Denmark	10.4	29.1	42.7	6.0	18.9	30.0	19.9	27.6	18.0	5.1	53.8
Estonia	9.5	24.8	36.9	11.3	33.2	45.7	42.8	22.8	25.3	5.5	26.6
Finland	10.0	35.9	31.8	7.7	21.8	28.1	24.6	21.5	19.3	5.5	10.2
France	11.8	29.8	48.5	6.0	28.1	35.6	30.6	27.4	25.8	7.8	13.9
Georgia	5.4	9.3	16.2	4.1	30.0	56.6	58.5	5.7	5.8	2.2	34.1
Germany	11.3	13.3	50.6	6.1	30.7	33.4	33.1	24.8	28.5	6.5	35.2
Greece	8.3	33.6	24.5	5.7	43.4	63.0	53.8	41.4	33.5	6.0	41.3
Hungary	11.3	25.4	23.9	19.3	29.6	42.7	33.6	33.5	26.0	6.8	25.0
Iceland	6.6	22.9	46.2	3.8	17.5	27.4	18.6	20.8	16.3	8.9	36.1
Ireland	11.4	36.5	31.3	7.3	23.2	...	23.6	...	22.9	11.2	50.4
Israel	2.5	7.5	15.1	5.3	30.4	28.6	41.5	12.7	19.8	7.8	26.6
Italy	6.5	4.7	20.3	1.2	24.2	32.8	28.8	19.2	19.9	5.8	5.2
Kazakhstan	6.8	7.7	23.4	5.1	26.3	40.2	45.3	8.6	9.5	1.4	28.6
Kyrgyzstan	2.4	7.6	18.3	4.9	26.4	44.8	50.5	1.9	3.7	1.4	16.0
Latvia	10.5	21.6	13.4	8.6	35.9	50.1	50.0	22.3	24.4	7.1	34.5
Lithuania	12.9	36.7	20.4	9.9	30.1	49.9	39.8	22.0	22.2	5.3	33.4
Luxembourg	11.4	23.8	29.3	5.8	24.4	...	26.8	...	22.0	4.7	7.1
Malta	6.6	26.5	32.2	3.2	25.9	30.1	30.9	21.1	20.9	7.8	34.4
Monaco	...	...	...	...	...	...	...	...	...	...	...
Montenegro	4.9	7.4	22.3	5.4	...	...	...	...	...	3.0	26.9
Netherlands	9.4	6.3	50.2	1.3	25.7	31.4	27.3	26.2	24.2	7.4	55.1
Norway	6.7	12.6	21.4	12.4	24.1	31.2	24.3	28.4	23.9	9.0	48.8
Poland	10.9	5.4	21.7	8.7	29.4	36.4	34.0	25.3	25.2	6.9	20.2
Portugal	11.0	19.4	29.2	6.4	22.6	31.8	31.9	15.8	14.0	6.7	38.8
Republic of Moldova	6.3	32.2	22.4	5.3	23.8	43.0	44.8	5.2	5.4	1.9	10.0
Romania	10.4	7.9	37.7	2.6	30.5	45.5	38.5	24.1	23.1	6.5	37.1
Russian Federation	11.5	19.3	29.8	18.2	39.5	59.4	59.8	24.3	22.7	2.4	23.9
San Marino	...	...	...	...	...	...	...	...	...	4.7	0.0
Serbia	9.6	7.6	26.8	5.5	42.1	37.6	44.6	27.2	39.7	3.7	28.3
Slovakia	11.4	26.2	25.9	10.6	28.8	38.6	40.4	19.1	18.0	5.3	41.9
Slovenia	10.6	7.8	28.9	12.6	20.9	29.8	23.2	21.7	18.7	5.7	39.4
Spain	10.0	13.2	28.4	1.4	30.3	36.2	33.0	27.2	27.8	6.8	9.7
Sweden	7.2	24.3	25.1	9.9	21.9	...	21.7	...	22.1	6.5	47.8
Switzerland	10.2	19.1	29.4	8.7	24.1	30.5	27.7	20.6	20.6	5.2	28.8
Tajikistan	0.3	1.0	16.4	0.8	...	...	...	...	...	2.3	2.7
MKD*	3.9	6.6	20.2	5.4	...	...	...	...	...	2.9	48.3
Turkey	1.4	0.2	17.8	2.6	27.0	46.6	41.6	14.5	13.2	5.6	1.6
Turkmenistan	2.2	11.6	18.2	4.9	...	...	...	...	...	5.3	0.0
Ukraine	8.9	23.2	25.8	5.2	30.7	50.3	50.6	13.2	14.3	2.1	48.1
United Kingdom	10.4	27.1	40.5	12.1	20.3	24.8	21.1	23.4	19.5	11.0	49.0
Uzbekistan	2.4	10.2	18.4	5.0	13.3	22.3	25.6	3.5	1.3	1.9	15.9
Regional average	8.8	16.2	30.8	7.8	28.3	39.5	37.7	20.7	20.1	...	...

\* The former Yugoslav Republic of Macedonia

\*\* Age-standardized figures

# Risk factors: blood pressure, cholesterol and immunization

	28						29			30
	Prevalence, percent of population with raised blood pressure (SBP 140 or DBP 90), (18 years and over), (age-standardized estimate), by sex						Prevalence, percent of population with total cholesterol 190 mg/dl (5.0 mmol/l), (25 years and over), (age-standardized estimate), by sex			Immunization coverage, 1-year-olds, Hepatitis B, both sexes, (%)
	Both		Males		Females		Both	Males	Females	
Country	2010	2014	2010	2014	2010	2014	2008	2008	2008	2014
Albania	28.9	28.0	32.1	31.4	25.7	24.5	45.3	46.3	44.3	98.0
Andorra	21.3	18.8	26.1	23.2	16.6	14.4	67.1	69.7	64.1	96.0
Armenia	27.5	26.6	29.5	29.0	25.4	24.2	40.8	39.6	41.5	93.0
Austria	21.1	18.8	25.7	23.1	16.6	14.8	59.7	61.3	57.7	83.0
Azerbaijan	26.8	26.1	28.2	27.7	25.5	24.5	34.8	33.1	36	94.0
Belarus	30.7	29.0	35.9	34.4	26.3	24.3	51.1	50.5	50.8	97.0
Belgium	20.0	17.8	25.1	22.5	15.1	13.3	62.4	64.6	59.9	98.0
Bosnia and Herzegovina	29.1	28.4	31.3	30.9	26.9	25.9	39.2	38.5	39.5	89.0
Bulgaria	29.4	28.4	34.2	33.4	24.8	23.7	49.9	50.3	49.0	95.0
Croatia	29.1	27.8	34.0	33.0	24.5	23.0	49.8	49.4	49.7	95.0
Cyprus	21.8	19.7	25.8	23.5	17.6	15.8	57.1	58.7	55.5	96.0
Czech Republic	28.5	27.0	34.8	33.2	22.4	21.0	53.9	54.4	52.7	99.0
Denmark	22.6	20.0	29.1	26.0	16.2	14.2	65.2	68.3	61.8	...
Estonia	33.0	31.7	39.6	38.3	27.4	26.0	56.7	56.0	56.7	93.0
Finland	22.1	19.9	27.0	24.5	17.3	15.4	59.0	57.5	59.3	...
France	23.5	21.0	29.3	26.3	18.0	16.0	62.0	63.5	60.2	82.0
Georgia	27.5	27.6	29.7	30.0	25.5	25.4	37.1	35.6	38.0	91.0
Germany	22.0	19.5	27.1	24.2	17.1	14.9	65.6	69.6	61.4	87.0
Greece	20.1	18.4	23.6	21.9	16.6	15.0	48.2	50.1	45.9	96.0
Hungary	30.2	28.6	36.3	34.6	24.7	23.1	55.2	55.4	54.0	...
Iceland	22.5	20.1	28.8	26.1	16.2	14.0	69.8	72.5	67.0	...
Ireland	20.7	18.1	24.7	21.3	16.8	14.9	62.6	65.5	59.5	95.0
Israel	19.6	17.7	23.6	21.5	15.7	13.8	53.5	51.8	54.8	97.0
Italy	22.3	19.6	26.4	23.4	18.4	16.0	62.2	62.3	61.6	94.0
Kazakhstan	28.2	27.2	31.1	30.4	25.5	24.2	45.7	45.0	45.6	95.0
Kyrgyzstan	27.7	27.9	28.7	28.8	26.8	27.1	30.1	28.3	31.2	96.0
Latvia	31.0	29.8	36.8	36.1	26.1	24.4	55.7	55.3	55.2	92.0
Lithuania	30.7	29.3	36.2	35.2	26.0	24.3	54.8	54.9	54.0	94.0
Luxembourg	23.9	21.2	30.3	27.2	17.5	15.2	66.9	69.5	64.1	94.0
Malta	22.0	19.8	26.9	24.5	17.2	15.2	59.0	60.7	56.9	90.0
Monaco	...	...	...	...	...	...	...	...	...	99.0
Montenegro	29.2	27.9	34.0	32.8	24.6	23.1	48.3	48.4	47.9	87.0
Netherlands	20.3	18.1	25.0	22.4	15.7	13.8	60.5	62.5	58.2	95.0
Norway	20.7	18.4	25.7	23.2	15.7	13.7	61.9	64.2	59.3	...
Poland	29.6	28.1	34.9	33.4	24.5	23.1	57.1	59.9	53.8	96.0
Portugal	24.3	22.1	28.8	26.6	20.0	18.0	55.9	57.2	54.3	98.0
Republic of Moldova	30.9	30.9	33.6	33.9	28.5	28.2	36.5	35.2	36.9	92.0
Romania	28.5	27.4	32.8	31.8	24.3	23.2	45.8	46.0	45.2	94.0
Russian Federation	30.1	28.7	34.6	33.5	26.2	24.5	50.6	47.3	52.1	97.0
San Marino	...	...	...	...	...	...	...	...	...	80.0
Serbia	30.4	29.0	34.6	33.2	26.2	24.9	49.8	47.4	52.0	92.0
Slovakia	29.0	27.3	34.3	32.5	23.9	22.4	52.5	52.7	51.7	97.0
Slovenia	29.5	28.0	34.6	33.0	24.5	23.0	56.3	56.8	55.3	...
Spain	21.3	19.0	25.7	23.0	17.0	15.0	56.1	58.9	52.9	96.0
Sweden	22.0	19.4	27.3	24.4	16.7	14.5	51.8	56.1	47.0	42.0
Switzerland	19.5	17.8	24.1	22.2	15.0	13.6	59.2	61.1	56.9	...
Tajikistan	26.9	27.2	27.0	27.3	26.8	27.1	24.0	22.5	25.3	97.0
MKD*	28.4	27.3	32.0	31.0	24.7	23.5	43.2	42.4	43.7	97.0
Turkey	24.6	23.0	24.4	23.0	24.7	22.9	39.7	38.1	41.0	96.0
Turkmenistan	27.3	26.7	28.5	28.0	26.1	25.4	35.1	33.8	35.8	97.0
Ukraine	30.0	29.0	34.2	33.4	26.5	25.2	44.4	43.1	44.7	46.0
United Kingdom	17.5	15.2	20.6	18.0	14.5	12.5	63.4	65.2	61.3	...
Uzbekistan	26.2	26.1	27.0	26.8	25.5	25.5	26.8	24.2	28.9	99.0
WHO European Region	25.1	23.3	29.1	27.1	21.4	19.7	53.7	54.1	52.7	82.0

\* The former Yugoslav Republic of Macedonia

# Diabetes and related risk factors: glucose, overweight and obesity, physical activity, policy

Country	31 There is a policy, strategy, or action plan for diabetes	32 Diabetes, all ages, by sex								33 Prevalence, percent population with fasting glucose $\geq 126$ mg/dl (7.0 mmol/l) or on medication for raised blood glucose, (18 years and over), by sex, (%)**		34 Prevalence, percent of population with body mass index (BMI) of 25 kg/m <sup>2</sup> or higher, (18 years and over), (age-standardized estimate), by sex			35 Prevalence of overweight (including obesity), (%)		36 Prevalence of insufficient physical activity among school going adolescents (crude estimate), (%)		37 Prevalence of insufficient physical activity among adults (age-standardized estimate), (%)		
		Age-standardized death rates per 100 000 population		Proportion of all (%) discharges		Hospital discharges, average length of stay, (in days)		Total number of discharges from all causes (thousands)		Males	Females	Males	Females	Boys	Girls	Boys	Girls	Males	Females		
		2015	2013	2013	2013	2013	2013	2013	2013	2014	2014	2010	2010	2010	2010	2010	2010	2010	2010	2010	
		Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	13 years old	11-17 years	18 years and over	Males	Females	
Albania	-	...	...	...	...	...	...	...	...	8.6	7.5	54.5	57.5	46.5	47.9	...	...	...	...		
Andorra	+	...	...	...	...	...	...	...	...	9.8	7.1	70.2	72.0	60.3	61.9	...	...	...	22.4	29.7	
Armenia	+	35.5 <sup>a</sup>	45.4 <sup>a</sup>	...	...	...	...	...	...	10.9	12.1	52.6	56.3	53.2	54.7	15.0	9.0	73.0	79.8	...	
Austria	+	20.5	14.8	1.3 <sup>a</sup>	0.9 <sup>a</sup>	11.4 <sup>a</sup>	10.9 <sup>a</sup>	1057 <sup>a</sup>	1221 <sup>a</sup>	7.0	4.4	59.3	61.1	43.8	45.4	17.0	11.0	65.6	84.9	19.2	28.5
Azerbaijan	+	11.5 <sup>c</sup>	15.5 <sup>c</sup>	...	...	...	...	...	...	14.3	15.8	52.7	57.4	55.7	58.7	...	...	...	...	...	
Belarus	+	2.6 <sup>b</sup>	2.3 <sup>b</sup>	...	...	...	...	...	...	9.5	8.1	57.2	61.2	53.3	55.2	...	...	...	...	...	
Belgium	+	9.4 <sup>a</sup>	7.2 <sup>a</sup>	1.2 <sup>c</sup>	0.9 <sup>c</sup>	9.1 <sup>c</sup>	9.6 <sup>c</sup>	836 <sup>c</sup>	1005 <sup>c</sup>	6.1	4.2	63.8	65.7	46.9	48.4	12.0 <sup>***</sup>	9.5 <sup>***</sup>	77.5	87.5	28.3	38.2
Bosnia and Herzegovina	+	37.1 <sup>b</sup>	41.7 <sup>b</sup>	...	...	...	...	...	...	10.4	8.8	53.0	55.4	48.1	48.5	...	...	...	...	15.8	20.4
Bulgaria	-	15.0 <sup>b</sup>	12.0 <sup>b</sup>	...	...	...	...	...	...	9.4	7.5	61.6	64.1	52.8	54.4	...	...	68.3	79.9	18.2	23.8
Croatia	+	20.3	13.9	1.3	1.0	8.2	8.9	305	364	9.1	6.5	61.7	64.4	52.4	53.6	22.0	12.0	72.6	85.4	15.0	17.4
Cyprus	+	38.8 <sup>a</sup>	27.7 <sup>a</sup>	0.4 <sup>a</sup>	0.2 <sup>a</sup>	8.4 <sup>a</sup>	5.7 <sup>a</sup>	35 <sup>a</sup>	35 <sup>a</sup>	9.6	6.8	62.0	63.6	55.3	56.9	...	...	...	...	28.9	40.4
Czech Republic	+	26.7	19.3	1.2 <sup>a</sup>	0.9 <sup>a</sup>	12.8 <sup>a</sup>	14.3 <sup>a</sup>	940 <sup>a</sup>	1168 <sup>a</sup>	9.3	6.9	67.7	69.6	56.6	57.3	20.0	7.0	72.9	80.6	22.7	24.8
Denmark	+	19.8 <sup>a</sup>	10.2 <sup>a</sup>	1.1 <sup>c</sup>	0.7 <sup>c</sup>	6.6 <sup>c</sup>	6.1 <sup>c</sup>	413 <sup>c</sup>	488 <sup>c</sup>	6.2	4.1	62.6	64.4	44.3	46.2	10.0	8.0	87.1	89.4	22.4	26.2
Estonia	-	9.1 <sup>b</sup>	7.6 <sup>b</sup>	...	...	...	...	...	...	9.5	6.7	59.1	61.7	51.7	52.3	18.0	13.0	82.7	89.0	11.2	12.6
Finland	+	7.4	4.1	1.1 <sup>a</sup>	0.7 <sup>a</sup>	9.4 <sup>a</sup>	12.7 <sup>a</sup>	431 <sup>a</sup>	530 <sup>a</sup>	7.8	5.6	60.2	62.1	47.3	48.6	19.0	14.0	68.2	85.3	21.7	25.3
France	-	12.1 <sup>b</sup>	6.8 <sup>b</sup>	1.2 <sup>a</sup>	1.0 <sup>a</sup>	6.7 <sup>a</sup>	6.8 <sup>a</sup>	5018 <sup>a</sup>	5952 <sup>a</sup>	7.7	5.0	65.2	67.1	52.6	54.7	12.0	9.0	84.4	91.7	19.1	28.5
Georgia	-	20.9	16.7	...	...	...	...	...	...	14.3	13.6	51.5	54.3	53.8	56.0	...	...	...	...	20.2	21.0
Germany	+	16.3	11.8	1.3 <sup>a</sup>	0.9 <sup>a</sup>	12.4 <sup>a</sup>	11.1 <sup>a</sup>	9499 <sup>a</sup>	10 682 <sup>a</sup>	7.3	5.1	60.7	62.7	45.8	47.2	15.0	13.0	77.9	88.1	18.7	23.5
Greece	-	6.9 <sup>a</sup>	4.4 <sup>a</sup>	...	...	...	...	...	...	7.9	6.4	64.2	65.8	54.0	55.2	25.0	15.0	81.9	89.7	10.1	15.7
Hungary	+	19.7	13.8	1.6 <sup>a</sup>	1.6 <sup>a</sup>	8.3 <sup>a</sup>	9.3 <sup>a</sup>	862 <sup>a</sup>	1142 <sup>a</sup>	9.6	6.6	64.6	66.6	52.4	53.3	19.0	10.0	74.4	86.5	17.2	19.0
Iceland	-	9.4 <sup>c</sup>	5.7 <sup>c</sup>	0.6 <sup>c</sup>	0.4 <sup>c</sup>	10.8 <sup>c</sup>	10.3 <sup>c</sup>	19 <sup>c</sup>	26 <sup>c</sup>	8.3	4.9	63.2	65.2	49.2	50.5	16.0	12.0	79.4	88.3	...	...
Ireland	+	12.6 <sup>a</sup>	7.4 <sup>a</sup>	1.4 <sup>a</sup>	0.7 <sup>a</sup>	8.7 <sup>a</sup>	7.8 <sup>a</sup>	253 <sup>a</sup>	372 <sup>a</sup>	9.3	6.7	64.6	66.2	52.0	54.6	13.0	9.0	64.6	79.6	30.0	40.1
Israel	-	29.2	23.4	0.6 <sup>c</sup>	0.4 <sup>c</sup>	6.1 <sup>c</sup>	6.3 <sup>c</sup>	562 <sup>c</sup>	715 <sup>c</sup>	6.9	5.8	66.2	68.2	57.6	59.0	...	...	77.8	89.5	...	...
Italy	+	18.3 <sup>a</sup>	13.7 <sup>a</sup>	0.6 <sup>a</sup>	0.4 <sup>a</sup>	8.7 <sup>a</sup>	9.0 <sup>a</sup>	3582 <sup>a</sup>	4086 <sup>a</sup>	7.9	5.4	62.7	64.3	52.0	53.7	20.0	14.0	91.0	92.6	28.2	38.1
Kazakhstan	+	8.7 <sup>a</sup>	10.6 <sup>a</sup>	...	...	...	...	...	...	13.7	12.8	57	60.5	55.4	57.1	...	...	...	...	20.2	21.0
Kyrgyzstan	+	12.4	14.4	...	...	...	...	...	...	10.2	12.0	42.7	45.2	46.9	49.1	...	...	...	...	10.4	16.1
Latvia	-	15.5 <sup>a</sup>	12.7 <sup>a</sup>	0.8 <sup>a</sup>	0.7 <sup>a</sup>	6.8 <sup>a</sup>	7.5 <sup>a</sup>	155 <sup>a</sup>	199 <sup>a</sup>	8.7	6.8	59.0	62.0	53.9	54.5	14.0	9.0	77.0	82.3	18.3	25.6
Lithuania	+	8.4 <sup>a</sup>	5.9 <sup>a</sup>	1.0 <sup>a</sup>	1.0 <sup>a</sup>	8.5 <sup>a</sup>	8.5 <sup>a</sup>	313 <sup>a</sup>	402 <sup>a</sup>	10.6	8.4	59.5	62.6	56.5	57.9	13.0	8.0	80.6	86.4	16.1	20.6
Luxembourg	...	9.9	8.3	1.1 <sup>a</sup>	0.8 <sup>a</sup>	9.1 <sup>a</sup>	10.0 <sup>a</sup>	34 <sup>a</sup>	41 <sup>a</sup>	8.7	5.1	65.3	67.8	46.4	48.3	17.0	11.0	73.4	81.8	26.6	30.4
Malta	+	19.3	13.2	1.0 <sup>a</sup>	0.7 <sup>a</sup>	15.0 <sup>a</sup>	15.0 <sup>a</sup>	30 <sup>a</sup>	33 <sup>a</sup>	8.3	6.3	66.4	68.5	57.9	59.6	...	...	78.2	84.5	38.6	47.2
Monaco	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Montenegro	+	10.4 <sup>c</sup>	11.4 <sup>c</sup>	...	...	...	...	...	...	7.5	6.4	59.5	61.7	49.2	50.1	...	...	...	...	...	...
Netherlands	+	11.8	8.8	0.7 <sup>a</sup>	0.5 <sup>a</sup>	7.9 <sup>a</sup>	7.5 <sup>a</sup>	906 <sup>a</sup>	1082 <sup>a</sup>	6.5	4.7	61.2	63.6	46.4	48.2	9.0	8.0	77.8	84.3	14.0	17.0
Norway	-	10.0	5.9	0.7 <sup>c</sup>	0.5 <sup>c</sup>	4.3 <sup>c</sup>	4.2 <sup>c</sup>	397 <sup>c</sup>	460 <sup>c</sup>	8.3	5.2	63.2	65.2	50.9	51.8	13.0	9.0	78.9	91.2	22.9	28.8
Poland	-	15.8	11.8	1.4 <sup>a</sup>	1.1 <sup>a</sup>	8.2 <sup>a</sup>	8.0 <sup>a</sup>	2810 <sup>a</sup>	3440 <sup>a</sup>	10.0	7.8	63.4	65.8	55.2	56.7	21.0	13.0	74.7	84.2	13.6	23.8
Portugal	+	23.5	18.9	...	...	...	...	...	...	8.7	5.9	59.3	61.4	48.5	50.2	22.0	13.0	81.5	91.2	31.4	38.5
Republic of Moldova	+	9.8	10.5	...	...	...	...	...	...	9.0	9.8	43.4	46.4	45.3	46.7	...	...	...	...	12.9	11.7
Romania	+	8.9 <sup>a</sup>	7.1 <sup>a</sup>	1.5 <sup>a</sup>	1.4 <sup>a</sup>	6.9 <sup>a</sup>	6.9 <sup>a</sup>	2017 <sup>a</sup>	2415 <sup>a</sup>	7.8	6.8	60.3	62.7	51.9	52.7	15.0	10.0	73.2	88.1	18.9	31.8
Russian Federation	+	4.3 <sup>b</sup>	5.6 <sup>b</sup>	...	...	...	...	...	...	9.0	9.1	57.2	60.9	55.6	56.8	14.0	6.0	84.1	90.7	10.2	8.8
San Marino	+	5.2 <sup>c</sup>	3.6 <sup>c</sup>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Serbia	+	26.1	21.4	3.0 <sup>a</sup>	2.6 <sup>a</sup>	0.1 <sup>a</sup>	0.1 <sup>a</sup>	442 <sup>a</sup>	536 <sup>a</sup>	8.5	7.1	57.6	59.9	47.7	49.2	...	...	...	...	33.5	43.8
Slovakia	+	11.0 <sup>c</sup>	9.4 <sup>c</sup>	1.1 <sup>b</sup>	0.9 <sup>b</sup>	8.9 <sup>b</sup>	9.3 <sup>b</sup>	423 <sup>b</sup>	568 <sup>b</sup>	10.2	7.6	63.6	66.1	54.6	56.2	20.0	8.0	72.9	81.6	16.6	19.1
Slovenia	+	9.5 <sup>c</sup>	6.5 <sup>c</sup>	0.7 <sup>a</sup>	0.5 <sup>a</sup>	8.9 <sup>a</sup>	7.3 <sup>a</sup>	157 <sup>a</sup>	195 <sup>a</sup>	10.4	8.2	64.1	66.1	54.0	55.1	20.0	13.0	74.7	85.0	17.4	25.1
Spain	+	10.9	8.3	0.8 <sup>a</sup>	0.5 <sup>a</sup>	8.7 <sup>a</sup>	8.0 <sup>a</sup>	2182 <sup>a</sup>	2489 <sup>a</sup>	8.9	6.1	64.6	66.2	54.0	55.7	21.0	13.0	69.7	84.3	27.2	33.7
Sweden	+	14.5	7.7	1.4 <sup>c</sup>	0.8 <sup>c</sup>	6.7 <sup>c</sup>	6.5 <sup>c</sup>	690 <sup>c</sup>	834 <sup>c</sup>	7.7	5.1	60.8	63.1	47.1	48.8	13.0	9.0	83.3	88.9	24.4	33.0
Switzerland	+	10.6	6.8	0.6 <sup>a</sup>	0.3 <sup>a</sup>	10.9 <sup>a</sup>	9.7 <sup>a</sup>	614 <sup>a</sup>	716 <sup>a</sup>	7.0	4.0	61.5	63.3	45.2	46.4	12.0	6.0	84.8	91.2	...	...
Tajikistan	+	24.0 <sup>c</sup>	22.4 <sup>c</sup>	...	...	...	...	...	...	12.0	12.3	38.6	41.0	46.6	48.8	...	...	...	...	...	...
MKD*	...	31.6 <sup>c</sup>	35.7 <sup>c</sup>	1.7 <sup>c</sup>	1.8 <sup>c</sup>	12.4 <sup>c</sup>	11.3 <sup>c</sup>	96 <sup>c</sup>	107 <sup>c</sup>	8.5	7.0	57.5	59.8	49.5	50.5	19.0	11.0	70.9	83.3	...	...
Turkey	+	28.8	30.2	1.4 <sup>b</sup>	1.7 <sup>b</sup>	6.6 <sup>b</sup>	5.9 <sup>b</sup>	4976 <sup>b</sup>	6461 <sup>b</sup>	13.3	13.5	61.1	64.1	66.5	68.5	18.0	10.0	77.1	86.9	28.1	37.5
Turkmenistan	+	...	...	...	...	...	...	...	...	15.0	15.2	50.7	54.6	53.0	55.7	...	...	...	...	...	...
Ukraine	-	4.1 <sup>a</sup>	3.8 <sup>a</sup>	...	...	...	...	...	...	8.3	7.7	53.3	56.3	51.5	52.4	13.0	7.0	70.4	83.4	11.6	12.7
United Kingdom	+	6.2	4.6	0.7 <sup>b</sup>	0.5 <sup>b</sup>	8.0 <sup>b</sup>	7.2 <sup>b</sup>	3616 <sup>b</sup>	4807 <sup>b</sup>	8.9	6.7	65.9	68.1	56.8	58.8	44.0 <sup>****</sup>	34.0 <sup>****</sup>	72.7	84.9	32.3	42.4
Uzbekistan	-	29.6 <sup>c</sup>	30.7 <sup>c</sup>	...	...	...	...	...	...	11.6	12.4	43.8	46.6	48.6	51.4	...	...	...	...	13.6	24.9
WHO European Region	...	14.0 <sup>a</sup>	11.9 <sup>a</sup>	...	...	...	...	...	...	9.0	7.6	60.1	62.6	53.3	54.9	...	...	83.9	83.9	...	...

\* The former Yugoslav Republic of Macedonia

\*\*\* The average between Flanders and Wallonia

Note: a = 2012, b = 2011, c = 2010-2005

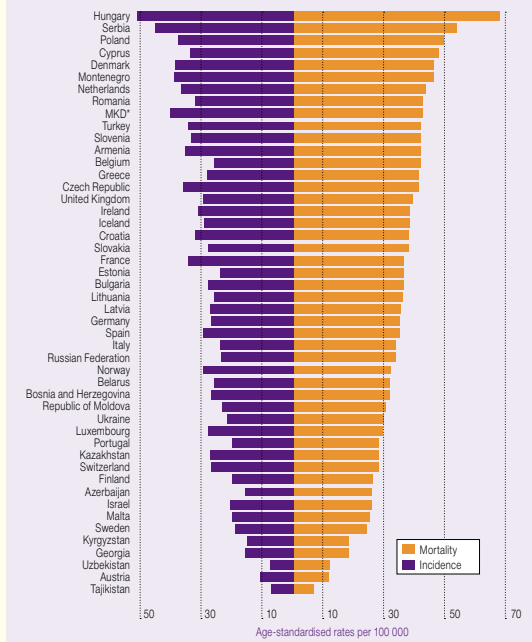
\*\* Age-standardized figures

\*\*\*\* The average between England, Scotland and Wales

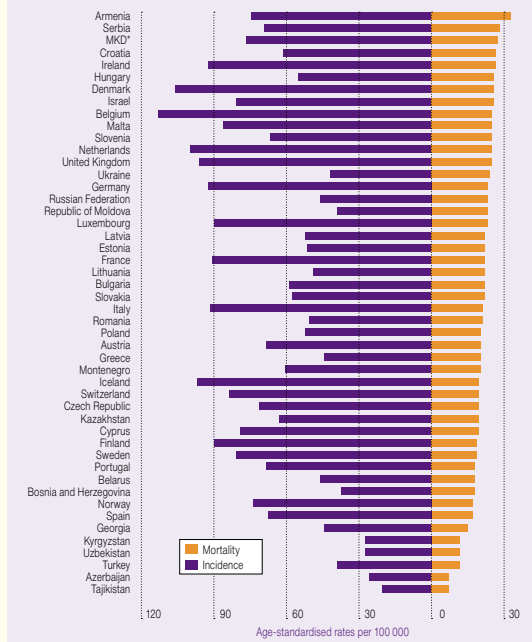


# Noncommunicable diseases: quantitative and qualitative indicators

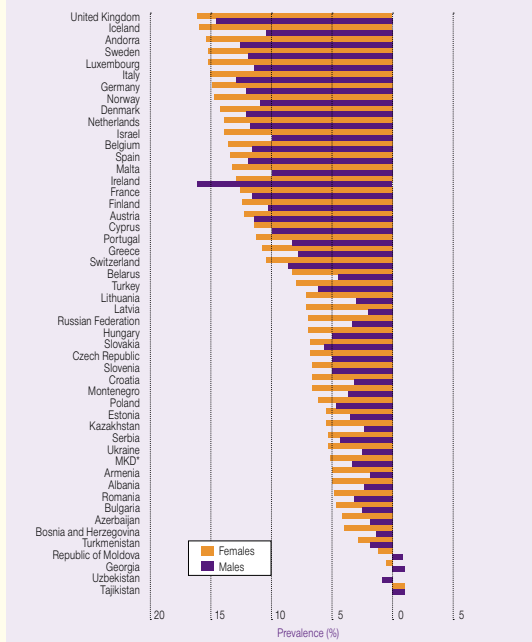
## INCIDENCE AND MORTALITY FROM MALIGNANT NEOPLASM OF LUNGS, ALL AGES, BOTH SEXES, EUROPEAN REGION, 2012-2013



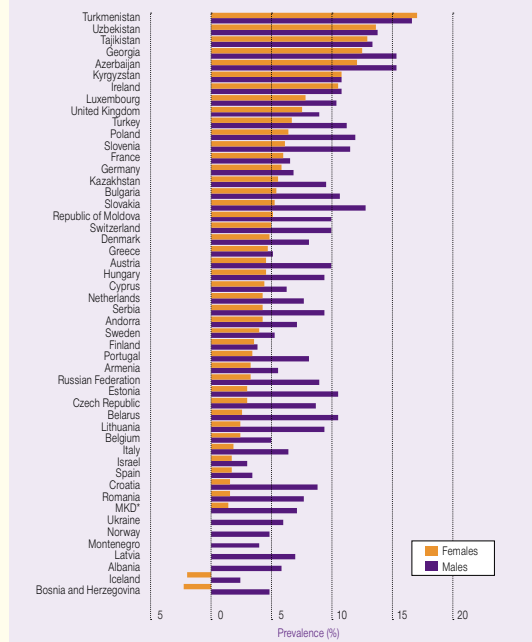
## INCIDENCE AND MORTALITY FROM MALIGNANT NEOPLASM OF BREAST, ALL AGES, FEMALES, EUROPEAN REGION, 2012-2013



## RAISED BLOOD PRESSURE (SBP ≥ 140 OR DBP ≥ 90) PREVALENCE DIFFERENCE BETWEEN 2010 AND 2014, BY SEX, EUROPEAN REGION

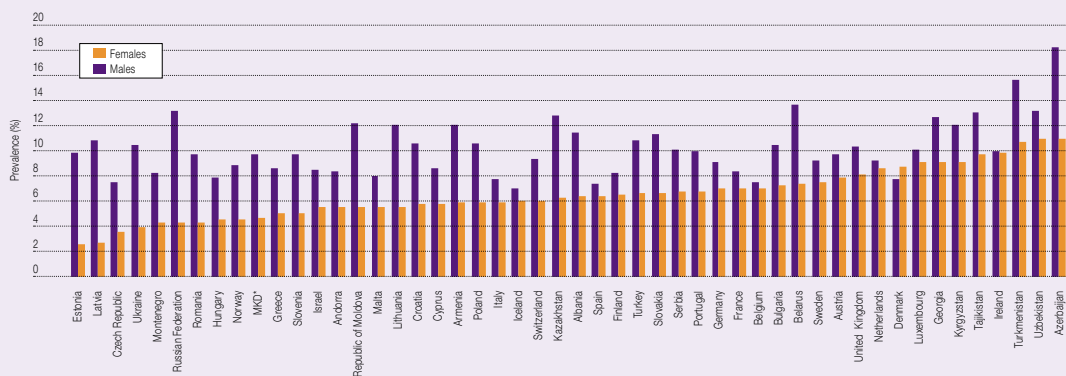


## FASTING GLUCOSE ≥ 126 MG/DL (7.0 MMOL/L) PREVALENCE DIFFERENCE BETWEEN 2010 AND 2014, BY SEX, EUROPEAN REGION

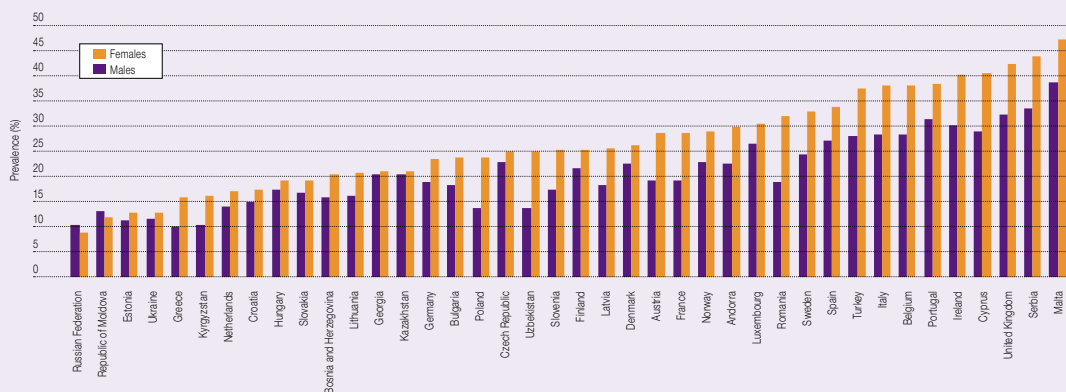


# Noncommunicable diseases: quantitative and qualitative indicators

## BODY MASS INDEX (BMI) OF 30 KG/M<sup>2</sup> OR HIGHER PREVALENCE DIFFERENCE BETWEEN 2010 AND 2014, BY SEX, EUROPEAN REGION



## PREVALENCE OF INSUFFICIENT PHYSICAL ACTIVITY AMONG ADULTS, 18 YEARS+, BY SEX, 2010, EUROPEAN REGION



## PERCENTAGE OF COUNTRIES HAVING A POLICY, STRATEGY OR ACTION PLAN FOR NCD, EUROPEAN REGION, 2010-2015



The WHO Global Monitoring Framework (GMF) on Noncommunicable Diseases (NCD) includes 9 voluntary targets for prevention and control by 2025 and 25 indicators for monitor progress. To facilitate identification, GMF indicators are marked in a colour, while those on diabetes mellitus (the special topic), are coloured differently.

Mortality from major NCD and cancer incidence (indicators 5, 12) are based on WHO European Mortality and Health for All databases (<http://data.euro.who.int/mdb/> and <http://data.euro.who.int/hfamdb/>).

Probability of dying (indicator 6) shows the percentage of 30-year-old-people who would die before their 70th birthday from any of cardiovascular disease, cancer, diabetes or chronic respiratory disease and was calculated using cause-specific mortality rates in standard life table methods.

Recorded alcohol per capita consumption (indicator 21) is defined as the recorded amount of alcohol consumed per capita (15+ years) over a calendar year in a country, in litres of pure alcohol. Heavy episodic drinking (indicators 22–23) is defined as the proportion of adults (15+ years) who have had at least 60 grams or more of pure alcohol on at least one occasion in the past 30 days.

Prevalence of current smoking of any tobacco product (indicator 25) by persons aged 15 years and above, resulting from analysis of the full set of adult tobacco use surveys.

Prevalence of raised blood pressure (indicator 28) is a percent of defined population with raised blood pressure (systolic blood pressure  $\geq 140$  OR diastolic blood pressure  $\geq 90$ ). Prevalence of raised total

cholesterol (indicator 29) is a percent of defined population with total cholesterol  $\geq 190$  mg/dl (5.0 mmol/l).

Immunization coverage (indicator 30) is the percentage of oneyear-olds who have received three doses of hepatitis B vaccine in a given year.

Prevalence of raised fasting blood glucose (indicator 36) is a percent of defined population with fasting glucose  $\geq 126$  mg/dl (7.0 mmol/l) or on medication for raised blood glucose. Prevalence of overweight, Body Mass Index  $\geq 25$  (indicator 37) is a percentage of defined population with a body mass index (BMI) of 25 kg/m<sup>2</sup> or higher.

For detailed definition of other indicators of the GMF and others used here, see the following documents/ links:

Indicator	Source of data
1	European Health for All database (HFA-DB) <a href="http://data.euro.who.int/hfamdb">http://data.euro.who.int/hfamdb</a>
2,5, 7–12, 32, 17–20	European mortality database (MDB) <a href="http://data.euro.who.int/mdb">http://data.euro.who.int/mdb</a>
6, 21–25, 28–30, 36–37, 39, 40	Global Health Observatory (GHO) <a href="http://www.who.int/gho/database/en/">http://www.who.int/gho/database/en/</a>
38	European Database on Nutrition, Obesity and Physical Activity (NOPA) <a href="http://data.euro.who.int/nopa/">http://data.euro.who.int/nopa/</a>
31	Noncommunicable Diseases Progress Monitor 2015 <a href="http://www.who.int/nmh/publications/ncd-progress-monitor-2015/en/">http://www.who.int/nmh/publications/ncd-progress-monitor-2015/en/</a>
13–16	GLOBOCAN 2012: Estimated Cancer Incidence, Mortality and Prevalence Worldwide in 2012 <a href="http://globocan.iarc.fr/Default.aspx">http://globocan.iarc.fr/Default.aspx</a>
34–35	European hospital morbidity database (HMDB) <a href="http://www.euro.who.int/en/data-and-evidence/databases/european-hospital-morbidity-database-hmdb2">http://www.euro.who.int/en/data-and-evidence/databases/european-hospital-morbidity-database-hmdb2</a>
26–27	WHO Report on the Global Tobacco Epidemic, 2015 Raising taxes on tobacco <a href="http://who.int/tobacco/global_report/2015/en/">http://who.int/tobacco/global_report/2015/en/</a>