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ANNUAL HEALTH STATISTICS REPORT

MINISTRY OF PUBLIC HEALTH
MEDICAL RECORDS AND
HEALTH STATISTICS BUREAU



Havana, 2017



Organización
Panamericana
de la salud

Oficina Regional de la
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2016

ANNUAL HEALTH STATISTICS REPORT



Havana, 2017

**MINISTRY OF PUBLIC HEALTH
MEDICAL RECORDS AND
HEALTH STATISTICS BUREAU**



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PRESENTATION

The Medical Records and Health Statistics Bureau of The Ministry of Public Health of Cuba introduces to you the 45th publication of the *Annual Health Statistics Report* with updated information until 2016.

Indicators are organized in 78 statistical tables according to time, gender and age covers. The information undertakes the following issues: Demography, Mortality, Morbidity, Personnel and Resources, Services and Health personnel training. Statistical data come from the Health Information System. The population data have been provided by The Center for Population and Development Studies from the National Statistics and Information Bureau.

The Cuban Health Statistical System uses mostly the method of continuous registration, with national coverage and departments of statistics and medical registries in all health institutions as well as in the municipal, provincial and national structures, where the Medical Records and Health Statistics Bureau is located.

The mortality and the morbidity statistics have been processed according to the ICD-10.

This document is also available in HTML format at the URL address, specified in the footnotes of this page.

We hope the purpose of this publication be fulfilled, so our users are invited to give their opinions or make suggestions.

Sonia Bess Constantén, MD
Medical Records and Health Statistics Bureau
Ministry of Public Health of Cuba

Symbols used

- *Magnitude zero*
- ... *Data not available*
- 0.0 *Rate less than 0.05*
- M *Male*
- F *Female*

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DEMOGRAPHIC

Table 1. Mid-year population estimates by sex. 1960, 1965, 1970, 1975, 1980, 1985, 1990-2016

Years	Total	Male	Female
1960	7 028 515	3 617 876	3 410 639
1965	7 808 291	4 006 646	3 801 645
1970	8 572 376	4 394 826	4 177 550
1975	9 292 104	4 746 658	4 545 446
1980	9 779 795	4 986 762	4 793 033
1985	10 085 681	5 089 366	4 996 315
1990	10 605 248	5 332 930	5 272 318
1991	10 709 489	5 383 687	5 325 802
1992	10 793 074	5 420 701	5 372 373
1993	10 862 653	5 463 184	5 399 469
1994	10 904 455	5 478 286	5 426 169
1995	10 930 021	5 495 557	5 434 464
1996	10 956 222	5 508 517	5 447 705
1997	11 008 659	5 535 119	5 473 540
1998	11 055 405	5 538 366	5 517 039
1999	11 094 972	5 555 364	5 539 608
2000	11 129 665	5 569 465	5 560 200
2001	11 157 364	5 582 668	5 574 696
2002	11 184 457	5 590 773	5 593 684
2003	11 199 923	5 603 702	5 596 221
2004	11 216 489	5 616 964	5 599 525
2005	11 218 106	5 617 549	5 600 557
2006	11 210 628	5 613 921	5 596 707
2007	11 195 330	5 605 756	5 589 574
2008	11 181 012	5 597 673	5 583 339
2009	11 174 474	5 594 504	5 579 970
2010	11 171 443	5 592 729	5 578 714
2011	11 171 679	5 592 332	5 579 347
2012	11 174 287	5 583 306	5 590 981
2013	11 191 608	5 580 810	5 610 798
2014	11 224 190	5 595 379	5 628 811
2015	11 238 661	5 600 904	5 637 757
2016	11 239 114	5 599 279	5 639 835

Source: Center for Population and Development Studies of the National Statistics Bureau. Annual Demographic Report.

Table 2. Selected natality indicators. 1970, 1980-2016

Years	Total live births	Crude birth rate*	In-hospital live births	
			Live births	%
1970	237 019	27.7	216 926	91.5
1980	136 900	14.1	134 830	98.5
1981	136 211	14.0	134 709	98.9
1982	159 759	16.3	158 087	98.9
1983	165 284	16.7	162 633	98.4
1984	166 281	16.7	164 077	98.7
1985	182 067	18.1	179 907	98.8
1986	166 049	16.3	164 873	99.3
1987	179 477	17.4	178 449	99.4
1988	187 911	18.1	187 529	99.8
1989	184 891	17.6	184 538	99.8
1990	186 658	17.6	186 254	99.8
1991	173 896	16.3	173 455	99.8
1992	157 349	14.5	157 051	99.8
1993	152 233	13.9	151 885	99.8
1994	147 265	13.4	146 967	99.8
1995	147 170	13.5	146 944	99.8
1996	140 276	12.7	140 046	99.8
1997	152 681	13.8	152 491	99.9
1998	151 080	13.6	150 897	99.9
1999	150 785	13.5	150 590	99.9
2000	143 528	12.9	143 355	99.9
2001	138 718	12.4	138 564	99.9
2002	141 276	12.6	141 115	99.9
2003	136 795	12.2	136 662	99.9
2004	127 192	11.3	127 078	99.9
2005	120 716	10.7	120 587	99.9
2006	111 323	9.9	111 211	99.9
2007	112 472	10.0	112 372	99.9
2008	122 569	10.9	122 454	99.9
2009	130 037	11.6	129 948	99.9
2010	127 746	11.4	127 640	99.9
2011	133 067	11.8	132 962	99.9
2012	125 674	11.3	125 564	99.9
2013	125 880	11.2	125 753	99.9
2014	122 643	10.9	122 505	99.9
2015	125 064	11.1	124 911	99.9
2016	116 872	10.4	116 725	99.9

* Per 1 000 population.

Source: Center for Population and Development Studies of the National Statistics Bureau. Annual Demographic Report.

Table 3. In hospital live births by month. 2010-2016

Month	2010	2011	2012	2013	2014	2015	2016
January	11 002	11 424	10 869	10 864	10 591	10 577	9 824
February	9 379	9 124	10 033	9 126	9 186	9 182	8 544
March	9 358	8 904	9 594	8 576	9 105	9 261	9 132
April	8 116	8 480	8 170	8 479	8 761	8 523	8 145
May	8 139	8 823	8 311	8 525	8 881	8 460	8 296
June	8 244	9 033	8 456	8 574	8 767	8 740	8 206
July	9 645	10 766	10 057	10 032	9 647	9 962	9 217
August	12 137	12 848	11 597	12 459	10 682	11 419	10 472
September	12 799	14 429	12 505	12 781	11 865	12 423	11 067
October	13 239	13 855	12 802	12 726	11 999	12 636	11 334
November	12 694	12 530	11 650	11 741	11 355	12 059	11 463
December	12 888	12 746	11 520	11 870	11 666	11 669	11 025
Total	127 640	132 962	125 564	125 753	122 505	124 911	116 725

Table 4. Fertility rates by mother age. 1995, 2000, 2010-2016

Age of mother	1995	2000	2010	2011	2012	2013	2014	2015	2016
15-19	60.2	49.6	52.9	57.3	53.6	54.2	51.8	52.5	50.0
20-24	91.4	96.5	106.6	111.6	105.1	104.0	100.6	104.0	98.6
25-29	78.8	89.2	94.2	98.2	94.2	95.2	93.3	95.9	89.6
30-34	46.8	55.0	54.9	57.1	56.4	60.0	60.1	61.3	55.7
35-39	17.1	22.4	24.1	24.8	23.2	24.1	24.5	25.2	25.8
40-44	2.5	3.8	4.5	5.0	5.1	5.0	4.9	5.0	5.1
45-49	0.5	0.2	0.3	0.3	0.3	0.2	0.3	0.4	0.3
Total	48.0	47.4	43.0	45.3	43.2	44.1	43.6	45.1	43.2

Rate per 1 000 women of the age.

Source: Center for Population and Development Studies of the National Statistics Bureau. Annual Demographic Report.

Table 5. Demographic indicators. Years and periods selected

Indicators	1970	1990	2000	2015	2016
Population density	77.3	96.5	101.2	102.3	102.3
Global fertility rate	3.70	1.83	1.58	1.72	1.63
Gross reproduction rate	1.80	0.89	0.76	0.83	0.78
Percent of population of 60 years and over	9.0	11.9	12.9	19.4	19.8
Masculinity ratio (males per thousand females)	1 052	1 013	1 003	993	992
Urban population percentage	60.5	73.9	75.3	76.9	76.9
Periods					
Life expectancy at birth	1969-1971	1994-1995	2001-2003	2005-2007	2011-2013
Male	68.55	72.94	75.13	76.00	76.50
Female	71.82	76.90	78.97	80.02	80.45
Total	70.04	74.83	77.00	77.97	78.45

Source: Center for Population and Development Studies of the National Statistics Bureau. Annual Demographic Report.

MORTALITY

Table 6. Deaths and death rates by age. 1990-2016

Years	<7 days	7-27 days	28 days to 11 months	<1 year	1-4 years	5-14 years	15-49 years	50-64 years	65 years and over	Total*
Number of deaths										
1990	862	341	801	2 004	459	557	10 442	11 513	47 125	72 144
1991	811	323	719	1 853	483	595	10 672	11 261	46 823	71 709
1992	720	272	615	1 607	458	573	10 616	11 597	50 573	75 457
1993	601	272	558	1 431	428	592	10 681	12 120	53 217	78 531
1994	598	314	546	1 458	433	562	10 839	12 103	53 217	78 648
1995	586	304	494	1 384	462	590	10 588	12 383	52 494	77 937
1996	456	250	403	1 109	391	540	10 113	12 601	54 887	79 662
1997	464	204	430	1 098	329	519	9 999	12 607	52 742	77 316
1998	438	216	416	1 070	316	495	10 049	13 042	52 572	77 565
1999	440	157	380	977	292	525	9 716	13 230	54 749	79 499
2000	445	207	387	1 039	268	470	9 154	13 176	52 337	76 463
2001	368	179	314	861	248	425	8 859	13 725	55 263	79 395
2002	388	203	331	922	223	398	8 298	13 138	50 894	73 883
2003	340	196	323	859	242	339	8 188	13 652	55 149	78 434
2004	271	172	293	736	247	332	8 161	13 778	57 851	81 110
2005	258	151	337	746	219	346	8 293	14 153	61 060	84 824
2006	234	126	229	589	199	270	7 681	13 829	58 262	80 831
2007	220	121	251	592	160	310	7 743	14 146	58 968	81 927
2008	236	148	195	579	177	253	7 760	14 339	63 309	86 423
2009	237	114	275	626	162	280	7 840	14 397	63 626	86 940
2010	225	113	243	581	152	289	7 790	14 830	67 418	91 065
2011	248	145	260	653	147	250	7 379	14 168	64 442	87 044
2012	202	116	263	581	165	251	7 605	14 943	65 810	89 372
2013	203	106	216	525	196	251	7 563	15 512	68 207	92 273
2014	183	103	228	514	183	240	7 281	16 091	72 004	96 330
2015	212	93	230	535	184	247	7 398	16 889	74 431	99 691
2016	186	92	219	497	147	272	7 067	16 993	74 398	99 399
Rate per 1 000 live births										
1990	4.6	1.8	4.3	10.7	0.7	0.4	1.7	9.1	52.2	6.8
1991	4.7	1.9	4.1	10.7	0.7	0.4	1.8	8.7	51.4	6.7
1992	4.6	1.7	3.9	10.2	0.6	0.4	1.7	9.0	52.6	7.0
1993	3.9	1.8	3.7	9.4	0.6	0.4	1.7	8.9	55.7	7.2
1994	4.1	2.1	3.7	9.9	0.6	0.4	1.8	8.6	54.5	7.1
1995	4.0	2.1	3.4	9.4	0.7	0.4	1.7	8.3	52.5	7.1
1996	3.2	1.8	2.9	7.9	0.6	0.3	1.7	8.4	54.9	7.2
1997	3.0	1.3	2.8	7.2	0.5	0.3	1.6	8.2	52.3	7.0
1998	2.9	1.4	2.8	7.1	0.5	0.3	1.6	8.7	50.2	7.0
1999	2.9	1.0	2.4	6.5	0.5	0.3	1.6	8.8	52.2	7.1
2000	3.1	1.4	2.7	7.2	0.4	0.3	1.5	8.8	49.7	6.8
2001	2.6	1.3	2.3	6.2	0.4	0.3	1.5	8.5	49.7	7.1
2002	2.7	1.4	2.3	6.5	0.3	0.2	1.4	7.8	43.8	6.6
2003	2.5	1.4	2.4	6.3	0.4	0.2	1.4	8.1	46.7	7.0
2004	2.1	1.4	2.3	5.8	0.4	0.2	1.3	8.1	48.9	7.2
2005	2.1	1.3	2.8	6.2	0.4	0.2	1.4	8.1	49.7	7.5
2006	2.1	1.1	2.1	5.3	0.4	0.2	1.3	7.9	47.4	7.2
2007	2.0	1.1	2.2	5.3	0.3	0.2	1.3	8.0	45.7	7.3
2008	1.9	1.2	1.6	4.7	0.4	0.2	1.3	8.0	47.9	7.7
2009	1.8	0.9	2.1	4.8	0.3	0.2	1.3	8.1	47.8	7.7
2010	1.8	0.9	1.9	4.5	0.3	0.2	1.3	8.1	47.4	8.1
2011	1.9	1.1	2.0	4.9	0.3	0.2	1.2	7.5	44.5	7.7
2012	1.6	0.9	2.1	4.6	0.4	0.2	1.3	8.1	5.8	7.9
2013	1.6	0.8	1.7	4.2	0.4	0.2	1.3	8.2	46.7	8.3
2014	1.5	0.8	1.9	4.2	0.4	0.2	1.2	8.5	49.3	8.6
2015	1.7	0.7	1.8	4.3	0.4	0.2	1.3	8.2	49.1	8.9
2016	1.6	0.8	1.9	4.3	0.3	0.2	1.2	7.9	48.0	8.8
Rate per 1 000 population										

* Includes deaths of unknown age.

Table 7. Deaths and death rates by sex. 1970, 1975, 1980, 1985, 1990-2016

Years	Total			Male			Female		
	Deaths	Rate		Deaths	Rate		Deaths	Rate	
		Crude	Adjusted		Crude	Adjusted		Crude	Adjusted
1970	53 761	6.3	7.2	30 574	7.0	8.0	23 187	5.6	6.4
1975	50 961	5.5	6.1	28 977	6.1	6.7	21 984	4.8	5.4
1980	55 801	5.7	5.8	31 787	6.4	6.5	24 014	5.0	5.1
1985	64 430	6.4	6.1	36 234	7.1	6.8	28 196	5.7	5.3
1990	72 144	6.8	5.8	40 443	7.6	6.6	31 701	6.0	4.9
1991	71 709	6.7	5.6	40 158	7.5	6.5	31 551	5.9	4.8
1992	75 457	7.0	5.7	41 637	7.7	6.5	33 820	6.3	4.9
1993	78 531	7.2	5.9	44 040	8.0	6.8	34 491	6.4	4.9
1994	78 648	7.1	5.7	44 049	7.9	6.7	34 599	6.3	4.8
1995	77 937	7.1	5.6	43 233	7.8	6.5	34 704	6.4	4.8
1996	79 662	7.2	5.7	43 670	7.9	6.6	35 992	6.6	4.9
1997	77 316	7.0	5.5	42 673	7.7	6.4	34 643	6.3	4.6
1998	77 565	7.0	5.3	42 867	7.7	6.1	34 698	6.3	4.4
1999	79 499	7.1	5.4	43 804	7.9	6.2	35 695	6.4	4.5
2000	76 463	6.8	5.1	42 057	7.5	6.0	34 406	6.2	4.3
2001	79 395	7.1	5.0	43 048	7.7	5.8	36 347	6.5	4.3
2002	73 883	6.6	4.7	40 478	7.2	5.5	33 405	5.9	3.9
2003	78 434	7.0	4.7	42 302	7.5	5.4	36 132	6.5	3.9
2004	81 110	7.2	4.8	43 924	7.8	5.6	37 186	6.6	4.0
2005	84 824	7.5	4.8	45 878	8.1	5.7	38 946	6.9	4.1
2006	80 831	7.2	4.5	43 875	7.8	5.3	36 956	6.6	3.8
2007	81 927	7.3	4.5	44 033	7.8	5.3	37 894	6.8	3.8
2008	86 423	7.7	4.6	46 271	8.2	5.5	40 152	7.2	3.9
2009	86 940	7.7	4.6	46 626	8.3	5.4	40 314	7.2	3.9
2010	91 065	8.1	4.6	49 080	8.7	5.4	41 985	7.5	3.1
2011	87 044	7.7	4.3	46 554	8.3	5.1	40 490	7.2	3.6
2012	89 372	7.9	4.5	48 348	8.6	5.3	41 024	7.3	3.7
2013	92 273	8.3	4.5	49 706	8.9	5.4	42 567	7.6	3.8
2014	96 330	8.6	4.7	51 918	9.3	5.6	44 412	7.9	3.9
2015	99 691	8.9	4.7	53 812	9.6	5.6	45 879	8.1	3.9
2016	99 399	8.8	4.6	54 107	9.7	5.5	45 292	8.0	3.8

Rate per 1 000 population.

Adjusted rate by a direct method. Model population: Cuba, 1981 census.

Table 8. Deaths and death rates by age and sex. 2016

Age group	Total		Male		Female	
	Deaths	Rate per 1 000 population	Deaths	Rate per 1 000 population	Deaths	Rate per 1 000 population
<1 *	497	4.3	275	4.5	222	4.0
1-4	147	0.3	72	0.3	75	0.3
5-9	129	0.2	76	0.3	53	0.2
10-14	143	0.2	93	0.3	50	0.2
15-19	281	0.4	181	0.5	100	0.3
20-24	366	0.5	240	0.6	126	0.3
25-29	585	0.7	412	1.0	173	0.4
30-34	663	1.0	434	1.3	229	0.7
35-39	798	1.1	505	1.4	293	0.8
40-44	1 617	1.6	1 044	2.1	573	1.2
45-49	2 757	2.7	1 780	3.6	977	1.9
50-54	4 617	5.0	2 941	6.5	1 676	3.6
55-59	5 376	8.5	3 322	10.9	2 054	6.3
60-64	7 000	11.9	4 173	14.7	2 827	9.3
65-69	9 497	18.9	5 566	23.2	3 931	15.0
70-74	11 676	28.7	6 777	35.0	4 899	22.9
75-79	13 196	46.5	7 271	55.1	5 925	39.0
80-84	13 738	74.2	7 073	84.7	6 665	65.6
85 and over	26 291	152.7	11 848	164.0	14 443	144.5
Total**	99 399	8.8	54 107	9.7	45 292	8.0

* Rate per 1 000 live births.

** Including unknown age death (25)

Table 9. Leading causes of death for all ages. 2000, 2015-2016

Causes	2000	2015	2016
Number of deaths			
Heart diseases (I05-I52)	20 258	24 646	24 462
Malignant neoplasms (C00-C97)	16 426	24 333	24 303
Cerebrovascular diseases (I60-I69)	8 143	9 320	9 465
Influenza and pneumonia (J09-J18)	5 735	6 617	6.806
Unintentional injuries (V01-X59,Y85-Y86)	4 955	5 511	5 505
Chronic lower respiratory diseases (J40-J47)	2 347	4 292	4 088
Diseases of arteries, arterioles and capillaries (I70-I79)	3 687	2 803	2 714
Diabetes mellitus (E10-E14)	1 490	2 352	2 247
Chronic liver diseases and cirrhosis (K70, K73, K74, K760, K761)	988	1 516	1 550
Intentional self-harm (X60-X84, Y870)	1 845	1 511	1 429
Crude rate per 100 000 population			
Heart disease	181.1	219.6	217.7
Malignant neoplasms	146.8	216.8	216.3
Cerebrovascular diseases	72.8	83.0	84.2
Influenza and pneumonia	51.3	59.0	60.6
Unintentional injuries	44.3	49.1	49.0
Chronic lower respiratory diseases	21.0	38.2	36.4
Diseases of arteries, arterioles and capillaries	33.0	25.0	24.2
Diabetes mellitus	13.3	21.0	20.0
Chronic liver diseases and cirrhosis	8.8	13.5	13.8
Intentional self-harm	16.5	13.5	12.7

Note: Chronic liver diseases and cirrhosis do not include chronic viral hepatitis.
 Causes from Cuban brief list: 31

Table 10. Leading causes of death by sex. 2016

Causes	Male		Female		Sex ratio M/F
	Deaths	Rate	Deaths	Rate	
Heart diseases (I05-I52)	13 039	232.9	11 423	202.6	1.1
Malignant neoplasms (C00-C97)	13 956	249.3	10 347	183.5	1.4
Cerebrovascular diseases (I60-I69)	4 793	85.6	4 672	82.9	1.0
Influenza and pneumonia (J09-J18)	3 575	63.9	3 231	57.3	1.1
Unintentional injuries (V01-X59,Y85-Y86)	2 960	52.9	2 545	45.1	1.2
Chronic lower respiratory diseases (J40-J47)	2 262	40.4	1 826	32.4	1.2
Diseases of arteries, arterioles and capillaries (I70-I79)	1 431	25.6	1 283	22.8	1.1
Diabetes mellitus (E10-E14)	937	16.7	1 310	23.2	0.7
Chronic liver diseases and cirrhosis (K70, K73, K74, K760, K761)	1 212	21.7	338	6.0	3.6
Intentional self-harm (X60-X84, Y870)	1 142	20.4	287	5.1	4.0

Rate per 100 000 population by sex.

Table 11. Years of potential life lost (YPLL) by leading causes of death and sex per 1 000 population age group 1-74. 2015-2016

Causes	Male		Female		Total	
	2015	2016	2015	2016	2015	2016
Heart diseases (I05-I52)	14.6	14.8	8.0	7.7	11.3	11.2
Malignant neoplasms (C00-C97)	19.7	19.2	17.2	17.2	18.5	18.2
Cerebrovascular diseases (I60-I69)	4.5	4.6	2.8	3.0	3.6	3.8
Influenza and pneumonia (J09-J18)	2.3	2.6	1.8	1.8	2.0	2.2
Unintentional injuries (V01-X59,Y85-Y86)	8.6	8.8	2.1	2.0	5.3	5.4
Chronic lower respiratory diseases (J40-J47)	1.8	1.7	1.8	1.7	1.8	1.7
Diseases of arteries, arterioles and capillaries (I70-I79)	0.7	0.8	0.4	0.5	0.6	0.7
Diabetes mellitus (E10-E14)	1.3	1.2	1.5	1.4	1.4	1.3
Chronic liver diseases and cirrhosis (K70, K73- K74, K760- K761)	3.5	3.6	0.6	0.7	2.1	2.1
Intentional self-harm (X60-X84, Y870)	4.4	4.1	1.1	1.0	2.8	2.5

Table 12. Mortality by 35 leading causes of death. 2016

Causes	Number of deaths	Rate*	
		Crude	Adjusted**
Heart diseases (I05-I52)	24 462	217.7	107.8
Malignant neoplasms (C00-C97)	24 303	216.3	118.9
Cerebrovascular diseases (I60-I69)	9 465	84.2	41.0
Influenza and pneumonia (J09-J18)	6 806	60.6	28.5
Unintentional injuries (V01-X59,Y85-Y86)	5 505	49.0	27.2
Dementia and Alzheimer's disease (F01-F03,G30)	4 714	42.0	17.3
Chronic lower respiratory diseases (J40-J47)	4 088	36.4	18.7
Asthma (J45-J46)	247	2.2	1.2
Disease of arteries, arterioles and capillaries (I70-I79)	2 714	24.2	11.2
Diabetes mellitus (E10-E14)	2 247	20.0	10.7
Cirrhosis and other liver diseases (K70, K73-K74, K760-K761)	1 550	13.8	7.9
Intentional self-harm (X60-X84,Y870)	1 429	12.7	8.3
Glomerular and renal diseases (N00-N19, N25-N27)	937	8.3	4.5
Non malignant neoplasm (D00-D48)	782	7.0	3.9
Hernia and intestinal obstruction without hernia (K40-K46,K56)	630	5.6	2.8
Assault (X85-Y09,Y871)	572	5.1	4.5
Parkinson's disease (G20-G21)	553	4.9	2.4
Mental and behavioral disorders due to use of alcohol (F10)	505	4.5	2.6
AIDS (B20-B24)	472	4.2	3.3
Peptic ulcer (K25-K28)	386	3.4	1.7
Congenital malformations (Q00-Q99)	356	3.2	3.1
Arthrosis (M15-M19)	278	2.5	1.0
Conditions originating in the perinatal period (P00-P96)	250	2.2	2.9
Events of undetermined intent (Y10-Y34,Y872)	245	2.2	1.4
Acute pancreatitis and other diseases of the pancreas (K85-K86)	196	1.7	1.1
Intestinal infections diseases (A00-A09)	190	1.7	0.9
Viral hepatitis (B15-B19)	160	1.4	0.8

* Rate per 100 000 population.

** Adjusted rate by a direct method. Model population: Cuba, 1981 census.

Note: Causes from Cuban brief list: 41.

Table 12. Mortality by 35 leading causes of death. 2016. (Continued)

Causes	Number of deaths	Rate*	
		Crude	Adjusted**
Anaemias (D50-D64)	159	1.4	0.9
Hyperplasia of prostate (N40)***	69	1.2	0.6
Systemic connective tissue disorders (M30-M36)	126	1.1	0.8
Maternal death (O00-O95, O98-O99)***	49	0.9	1.1
Septicaemia (A40-A41)	93	0.8	0.6
Bacterial meningitis, except meningococcal meningitis (G00-G03)	85	0.8	0.6
Malnutrition (E40-E46)	59	0.5	0.3
Tuberculosis (A15-A19)	39	0.3	0.2
Leptospirosis (A27)	32	0.3	0.2

* Rate per 100 000 population.

** Adjusted rate by a direct method. Model population: Cuba, 1981 census.

*** Rate per 100 000 population by sex.

Note: Causes from Cuban brief list by sex: 41.

Table 13. Mortality by six broad cause groups by age. 2016

Causes*	0-4	5-14	15-39	40-64	65 and over	Total **
Number of deaths						
Diseases of the circulatory system (I00-I99)	17	7	304	6 273	30 436	37 046
Neoplasms (C00-D48)	31	66	474	7 224	17 290	25 085
Communicable diseases (A00-B99,G00-G03,J00-J22)	105	19	312	1 273	6 364	8 076
External causes (V01-Y89)	54	97	1 030	2 077	4 531	7 797
Certain conditions originating in the perinatal period (P00-P96)	234	3	5	7	1	250
All other diseases (D50-F99, G04-H95, J30-O99, Q00-R99)	203	80	568	4 513	15 776	21 145
Total	644	272	2 693	21 367	74 398	99 399
Rate per 100 000 population						
Diseases of the circulatory system	2.7	0.6	8.3	151.4	1 962.4	329.7
Neoplasms	4.9	5.3	12.9	174.3	1 114.8	223.2
Communicable diseases	16.7	1.5	8.5	30.7	410.3	71.9
External causes	8.6	7.7	28.1	50.1	292.1	69.4
Certain conditions originating in the perinatal period	37.3	0.2	0.1	0.2	0.1	2.2
All other diseases	32.4	6.4	15.5	108.9	1 017.2	188.2
Total	102.7	21.7	73.6	515.6	4 796.9	884.6

* Causes from OPS brief list: 667

** Includes deaths at unknown age (25).

Table 14. Selected mortality indicators under- five years of age by sex. 1970,1975,1980,1985,1990, 1995-2016

Years	Infant mortality rate*			Under-five mortality rate*			Percentage of surviving children at 5 years of age. (%)
	Total	Male	Female	Total	Male	Female	
1970	38.7	42.7	34.4	43.7	47.7	39.6	95.6
1975	27.5	30.2	24.6	32.6	35.6	29.5	96.7
1980	19.6	21.3	17.9	24.2	26.2	22.2	97.6
1985	16.5	18.8	14.0	19.6	22.1	17.0	98.0
1990	10.7	12.2	9.1	13.2	14.9	11.4	98.7
1995	9.4	10.3	8.4	12.5	13.6	11.3	98.8
1996	7.9	8.5	7.2	10.7	11.4	9.8	98.9
1997	7.2	8.0	6.3	9.3	10.4	8.2	99.1
1998	7.1	7.8	6.3	9.2	10.0	8.3	99.1
1999	6.5	7.2	5.7	8.4	9.3	7.5	99.2
2000	7.2	8.4	5.9	9.1	10.5	7.6	99.1
2001	6.2	6.8	5.6	8.0	8.7	7.3	99.2
2002	6.5	7.6	5.4	8.1	9.4	6.8	99.2
2003	6.3	6.6	5.9	8.0	8.4	7.6	99.2
2004	5.8	6.7	4.8	7.7	8.9	6.5	99.2
2005	6.2	6.6	5.7	8.0	8.7	7.3	99.2
2006	5.3	5.7	4.9	7.1	7.5	6.6	99.3
2007	5.3	5.7	4.8	6.7	7.2	6.2	99.3
2008	4.7	5.1	4.3	6.2	6.6	5.7	99.4
2009	4.8	5.2	4.4	6.1	6.8	5.3	99.4
2010	4.5	5.3	3.7	5.7	6.7	4.7	99.4
2011	4.9	5.5	4.3	6.0	6.6	5.4	99.4
2012	4.6	5.2	4.0	5.9	6.6	5.2	99.4
2013	4.2	4.5	3.9	5.7	6.4	5.0	99.4
2014	4.2	4.9	3.5	5.7	6.5	4.9	99.4
2015	4.3	4.6	3.9	5.7	6.2	5.2	99.4
2016	4.3	4.5	4.0	5.5	5.7	5.3	99.4

* Rate per 1 000 live births, total and by sex.

Table 15. Leading causes of infant deaths. 2015-2016

Causes	2015	2016
Number of deaths		
Certain perinatal conditions (P00-P96)	264	234
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	119	103
Influenza and pneumonia (J09-J18)	34	30
Unintentional injuries (V01-X59,Y85-Y86)	11	17
Bacterial meningoencephalitis, except meningococcal (G00-G03)	5	13
Other causes	102	100
Total	535	497
Rate per 1 000 live births		
Certain perinatal conditions	2.1	2.0
Congenital malformations, deformations and chromosomal abnormalities	1.0	0.9
Influenza and pneumonia	0.3	0.3
Unintentional injuries	0.1	0.1
Bacterial meningoencephalitis, except meningococcal	0.0	0.1
Other causes	0.8	0.9
Total	4.3	4.3

Table 16. Leading causes of infant deaths by age. 2016

Causes	<7 days	7-27 days	28 days to 11 months	Total
Number of deaths				
Congenital malformations, deformations and chromosomal abnormalities. (Q00-Q99)	21	19	63	103
Intracranial nontraumatic haemorrhage (P52)	28	12	5	45
Hyaline membrane disease (P220)	36	-	-	36
Septicaemia (A40-A41, P36)	11	11	13	35
Intrauterine hypoxia and birth asphyxia (P20-P21)	16	7	8	31
Influenza and pneumonia (J09-J18)	2	7	21	30
Other conditions originating in the perinatal period (Remainder P00-P96)	11	9	4	24
Congenital pneumonia (P23)	19	2	-	21
Unintentional injuries (V01-X59, Y85-Y86)	1	2	14	17
Pulmonary haemorrhage (P26)	13	3	-	16
Bacterial, viral and non-specified meningoencephalitis (A83-A87, G00-G04)	-	2	14	16
Disorders related to length of gestation and fetal growth (P05-P08)	8	4	-	12
Heart diseases (I05-I52)	-	3	8	11
Persistent fetal circulation (P293)	7	2	1	10
Other infectious and parasitic diseases (A15-A38, A42-A82, A88-B99)	-	-	9	9
Other causes	13	9	59	81
Total	186	92	219	497
Rate per 1 000 live births				
Congenital malformations, deformations and chromosomal abnormalities.	0.2	0.2	0.5	0.9
Intracranial nontraumatic haemorrhage	0.2	0.1	0.0	0.4
Hyaline membrane disease	0.3	-	-	0.3
Septicaemia	0.1	0.1	0.1	0.3
Intrauterine hypoxia and birth asphyxia	0.1	0.1	0.1	0.3
Influenza and pneumonia	0.0	0.1	0.2	0.3
Other conditions originating in the perinatal period	0.1	0.1	0.0	0.2
Congenital pneumonia	0.2	0.0	-	0.2
Unintentional injuries	0.0	0.0	0.1	0.1
Pulmonary haemorrhage	0.1	0.0	-	0.1
Bacterial, viral and non-specified meningoencephalitis (A83-A87, G00-G04)	-	0.0	0.1	0.1
Disorders related to length of gestation and fetal growth	0.1	0.0	-	0.1
Heart diseases	-	0.0	0.1	0.1
Persistent fetal circulation	0.1	0.0	0.0	0.1
Other infectious and parasitic diseases	-	-	0.1	0.1
Other causes	0.1	0.1	0.5	0.7
Total	1.6	0.8	1.9	4.3

Note: Causes from Cuban list 28 of infant deaths.

Table 17. Congenital malformations for infant deaths by age. 2016

Causes	<7 days	7-27 days	28 days to 11 months	Total
Number of deaths				
Congenital malformations of the circulatory system (Q20-Q28)	7	11	27	45
Congenital malformations of cardiac septa (Q21)	-	3	10	13
Congenital malformations of great arteries and veins (Q25-Q26)	1	4	5	10
Congenital malformations of heart, unspecified (Q249)	3	1	6	10
Congenital malformations of cardiac chambers and connections (Q20)	2	1	3	6
Congenital malformations of the digestive system (Q38-Q45)	1	4	15	20
Congenital malformations of esophagus (Q39)	1	2	2	5
Congenital absence, atresia and stenosis of intestine (Q41-Q42)	-	1	3	4
Congenital malformations of the nervous system (Q00-Q07)	1	-	9	10
Congenital hydrocephalus (Q03)	-	-	3	3
Chromosomal abnormalities (Q90-Q99)	-	2	6	8
Congenital malformations and deformations of the musculoskeletal system (Q65-Q79)	6	2	-	8
Congenital diaphragmatic hernia (Q790)	4	2	-	6
Gastroschisis (Q793)	-	-	-	-
Congenital malformations of the respiratory system (Q30-Q34)	6	-	1	7
Congenital malformations of the urinary system (Q60-Q64)	-	-	1	1
Other congenital malformations (Q10-Q18, Q35-Q37, Q50-Q56, Q80-Q89)	-	-	4	4
Total	21	19	63	103
Rate per 1 000 live births				
Congenital malformations of the circulatory system	0.1	0.1	0.2	0.4
Congenital malformations of cardiac septa	-	0.0	0.1	0.1
Congenital malformations of great arteries and veins	0.0	0.0	0.0	0.1
Congenital malformations of heart, unspecified	0.0	0.0	0.1	0.1
Congenital malformations of cardiac chambers and connections	0.0	0.0	0.0	0.1
Congenital malformations of the digestive system	0.0	0.0	0.1	0.2
Congenital malformations of esophagus	0.0	0.0	0.0	0.0
Congenital absence, atresia and stenosis of intestine	-	0.0	0.0	0.0
Congenital malformations of the nervous system	0.0	-	0.1	0.1
Congenital hydrocephalus	-	-	0.0	0.0
Chromosomal abnormalities	-	0.0	0.1	0.1
Congenital malformations and deformations of the musculoskeletal system	0.1	0.0	-	0.1
Congenital diaphragmatic hernia	0.0	0.0	-	0.1
Gastroschisis	-	-	-	-
Congenital malformations of the respiratory system	0.1	-	0.0	0.1
Congenital malformations of the urinary system	-	-	0.0	0.0
Other congenital malformations	-	-	0.0	0.0
Total	0.2	0.2	0.5	0.9

Table 18. Leading causes of death for children 1-4 years of age. 2015-2016

Causes	2015	2016
Number of deaths		
Unintentional injuries (V01-X59, Y85-Y86)	38	28
Malignant neoplasms C00-C97)	34	25
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	18	20
Influenza and pneumonia (J09-J18)	13	15
Bacterial meningoencephalitis, except meningococcal (G00-G03)	3	7
Other causes	78	52
Total	184	147
Rate per 10 000 population		
Unintentional injuries	0.8	0.6
Malignant neoplasms	0.7	0.5
Congenital malformations, deformations and chromosomal abnormalities	0.4	0.4
Influenza and pneumonia	0.3	0.3
Bacterial meningoencephalitis, except meningococcal	0.1	0.1
Other causes	1.5	1.0
Total	3.6	2.9

Table 19. Leading causes of death for children 5-14 years of age. 2015-2016

Causes	2015	2016
Number of deaths		
Unintentional injuries (V01-X59, Y85-Y86)	71	77
Malignant neoplasms (C00-C97)	53	64
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	21	16
Assault (X85-Y09,Y871)	2	13
Influenza and pneumonia (J09-J18)	5	9
Other causes	95	93
Total	247	272
Rate per 100 000 population		
Unintentional injuries	5.6	6.1
Malignant neoplasms	4.2	5.1
Congenital malformations, deformations and chromosomal abnormalities	1.7	1.3
Assault	0.2	1.0
Influenza and pneumonia	0.4	0.7
Other causes	7.5	7.4
Total	19.4	21.7

**Table 20. Leading causes of death for persons 10-19 years of age.
2015-2016**

Causes	2015	2016
Number of deaths		
Unintentional injuries (V01-X59, Y85-Y86)	121	112
Malignant neoplasms (C00-C97)	51	82
Assault (X85-Y09, Y871)	27	35
Intentional self-harm (X60-X84, Y870)	33	28
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	20	21
Other causes	164	146
Total	416	424
Rate per 100 000 population		
Unintentional injuries	8.7	8.1
Malignant neoplasms	3.7	5.9
Assault	2.4	2.5
Intentional self-harm	1.9	2.0
Congenital malformations, deformations and chromosomal abnormalities	1.4	1.5
Other causes	11.7	10.6
Total	29.8	30.7

**Table 21. Leading causes of death for persons 15-49 years of age.
2015-2016**

Causes	2015	2016
Number of deaths		
Malignant neoplasms (C00-C97)	1 643	1 602
Heart diseases (I05-I52)	986	961
Unintentional injuries (V01-X59, Y85-Y86)	893	893
Intentional self-harm (X60-X84, Y870)	535	475
Assault (X85-Y09, Y871)	462	399
Other causes	2 879	2 737
Total	7 398	7 067
Rate per 100 000 population		
Malignant neoplasms	28.6	28.3
Heart diseases	17.1	17.0
Unintentional injuries	15.5	15.8
Intentional self-harm	9.3	8.4
Assault	8.0	7.0
Other causes	50.0	48.3
Total	128.6	124.7

**Table 22. Leading causes of death for persons 50-64 years of age.
2015-2016**

Causes	2015	2016
Number of deaths		
Malignant neoplasms (C00-C97)	6 100	5 855
Heart diseases (I05-I52)	3 701	3 756
Cerebrovascular diseases (I60-I69)	1 145	1 211
Cirrhosis and other liver diseases (K70, K73-K74, K760-K761)	631	689
Unintentional injuries (V01-X59, Y85-Y86)	596	662
Other causes	4 716	4 820
Total	16 889	16 993
Rate per 100 000 population		
Malignant neoplasms	297.4	273.9
Heart diseases	180.5	175.7
Cerebrovascular diseases	55.8	56.6
Cirrhosis and other liver diseases	30.8	32.2
Unintentional injuries	29.1	31.0
Other causes	229.9	225.5
Total	823.5	794.9

**Table 23. Leading causes of death for persons 65 years and over.
2015-2016**

Causes	2015	2016
Number of deaths		
Heart diseases (I05-I52)	19 941	19 720
Malignant neoplasms (C00-C97)	16 499	16 753
Cerebrovascular diseases (I60-I69)	7 840	7 936
Influenza and pneumonia (J09-J18)	5 833	5 906
Unintentional injuries (V01-X59, Y85-Y86)	3 902	3 823
Other causes	20 416	20 260
Total	74 431	74 398
Rate per 100 000 population		
Heart diseases	1 314.4	1 271.5
Malignant neoplasms	1 087.6	1 080.2
Cerebrovascular diseases	516.8	511.7
Influenza and pneumonia	384.5	380.8
Unintentional injuries	257.2	246.5
Other causes	1 345.7	1 306.3
Total	4 906.2	4 796.9

**Table 24. Leading causes of death for persons 60 years and over.
2015-2016**

Causes	2015	2016
Number of deaths		
Heart diseases (I05-I52)	21 602	21 393
Malignant neoplasms (C00-C97)	19 156	19 216
Cerebrovascular diseases (I60-I69)	8 362	8 424
Influenza and pneumonia (J09-J18)	6 084	6 197
Unintentional injuries (V01-X59, Y85-Y86)	4 096	4 025
Other causes	22 267	22 143
Total	81 567	81 398
Rate per 100 000 population		
Heart diseases	1 029.6	999.6
Malignant neoplasms	913.0	897.9
Cerebrovascular diseases	398.5	393.6
Influenza and pneumonia	290.0	289.6
Unintentional injuries	195.2	188.1
Other causes	47.9	1 034.7
Total	3 887.6	3 803.4

**Table 25. Leading causes of death for persons 60-69 years of age.
2015-2016**

Causes	2015	2016
Number of deaths		
Malignant neoplasms (C00-C97)	5 811	5 796
Heart diseases (I05-I52)	4 010	3 943
Cerebrovascular diseases (I60-I69)	1 270	1 313
Chronic lower respiratory diseases (J40-J47)	849	835
Influenza and pneumonia (J09-J18)	637	677
Other causes	3 881	3 933
Total	16 458	16 497
Rate per 100 000 population		
Malignant neoplasms	539.7	531.0
Heart diseases	372.4	361.3
Cerebrovascular diseases	117.9	120.3
Chronic lower respiratory diseases	78.8	76.5
Influenza and pneumonia	59.2	62.0
Other causes	782.9	360.3
Total	1 528.5	1 511.5

**Table 26. Leading causes of death for persons 70-79 years of age.
2015-2016**

Causes	2015	2016
Number of deaths		
Malignant neoplasms (C00-C97)	6 835	6 894
Heart diseases (I05-I52)	6 463	6 385
Cerebrovascular diseases (I60-I69)	2 546	2 529
Influenza and pneumonia (J09-J18)	1 460	1 587
Chronic lower respiratory diseases (J40-J47)	1 418	1 308
Other causes	6 052	6 169
Total	24 774	24 872
Rate per 100 000 population		
Malignant neoplasms	1 022.7	997.2
Heart diseases	967.1	923.6
Cerebrovascular diseases	381.0	365.8
Influenza and pneumonia	218.5	229.6
Chronic lower respiratory diseases	212.2	189.2
Other causes	905.6	892.3
Total	3 706.9	3 597.6

**Table 27. Leading causes of death for persons 80 years and over.
2015-2016**

Causes	2015	2016
Number of deaths		
Heart diseases (I05-I52)	11 129	11 065
Malignant neoplasms (C00-C97)	6 510	6 526
Cerebrovascular diseases (I60-I69)	4 546	4 582
Influenza and pneumonia (J09-J18)	3 987	3 933
Unintentional injuries (V01-X59, Y85-Y86)	2 783	2 771
Other causes	11 380	11 152
Total	40 335	40 029
Rate per 100 000 population		
Heart diseases	3 152.5	3 096.6
Malignant neoplasms	1 844.1	1 826.3
Cerebrovascular diseases	1 287.7	1 282.3
Influenza and pneumonia	1 129.4	1 100.7
Unintentional injuries	788.3	775.5
Other causes	3 223.5	3 120.9
Total	11 425.5	11 202.3

Table 28. Selected malignant neoplasms mortality. 2015-2016

Location	2015	2016
Number of deaths		
Prostate (C61)	2 954	3 023
Trachea, bronchus and lung (C33-C34)	5 523	5 535
Breast (C50)	1 557	1 525
Intestine, except rectum (C17-C18)	2 349	2 331
Uterus, other and unspecified (C54-C55)	640	672
Cervix uteri (C53)	479	512
Other neoplasms of lymphatic and haematopoietic tissue (C81-C90, C96)	992	974
Stomach (C16)	901	889
Larynx (C32)	891	861
Esophagus (C15)	788	762
Lip, oral cavity and pharynx (C00-C14)	787	757
Leukaemia (C91-C95)	571	601
Melanoma of skin (C43-C44)	452	461
Rectum, rectosigmoid junction and anus (C19-C21)	329	380
Bones and connective tissues (C40-C41)	187	184
Others	4 933	4 836
Total	24 333	24 303
Crude rate per 100 000 population		
Prostate*	52.8	54.0
Trachea, bronchus and lung	49.2	49.3
Breast **	27.7	27.0
Intestine, except rectum	20.9	20.7
Uterus, other and unspecified **	11.4	11.9
Cervix uteri **	8.5	9.1
Other neoplasms of lymphatic and haematopoietic tissue	8.8	8.7
Stomach	8.0	7.9
Larynx	7.9	7.7
Esophagus	7.0	6.8
Lip, oral cavity and pharynx	7.0	6.7
Leukaemia	5.1	5.3
Melanoma of skin	4.0	4.1
Rectum, rectosigmoid junction and anus	2.9	3.4
Bones and connective tissues	1.7	1.6
Others	44.0	43.0
Total	216.8	216.3

* Male population.

** Female population.

Table 29. Selected malignant neoplasms mortality by sex. 2016

Location	Male		Female		Mortality sex ratio M/F
	Deaths	Rate	Deaths	Rate	
Trachea, bronchus and lung (C33-C34)	3 482	62.2	2 053	36.4	1.7
Intestine, except rectum (C17-C18)	1 005	18.0	1 326	23.5	0.8
Larynx (C32)	746	13.3	115	2.0	6.5
Urinary tract (C64-C68)	623	11.1	262	4.6	2.4
Esophagus (C15)	611	10.9	151	2.7	4.1
Lip, oral cavity and pharynx (C00-C14)	594	10.6	163	2.9	3.7
Other neoplasms of lymphatic and haematopoietic tissue (C81-C90, C96)	547	9.8	427	7.6	1.3
Stomach (C16)	521	9.3	368	6.5	1.4
Pancreas (C25)	430	7.7	414	7.3	1.0
Malignant neoplasm of liver and intrahepatic bile ducts (C22)	419	7.5	359	6.4	1.2
Leukaemia (C91-C95)	330	5.9	271	4.8	1.2
Brain (C71)	324	5.8	292	5.2	1.1
Melanoma of skin (C43-C44)	281	5.0	180	3.2	1.6
Rectum, rectosigmoid junction and anus (C19-C21)	176	3.1	204	3.6	0.9
Bones and connective tissues (C40-C41)	102	1.8	82	1.5	1.3
Others	3 765	67.3	3 680	65.3	1.0
Total	13 956	249.3	10 347	183.5	1.4

Rate per 100 000 population by sex.

Table 30. Malignant neoplasms mortality by age. Male sex. 2016

Location	<10	10-19	20-39	40-59	60-79	80 and over	Total
Number of deaths							
Trachea, bronchus and lung (C33-C34)	-	-	7	611	2 174	690	3 482
Prostate (C61)	-	-	-	96	1 419	1 508	3 023
Intestine, except rectum (C17-C18)	-	1	7	135	558	304	1 005
Larynx (C32)	-	-	-	177	438	131	746
Urinary tract (C64-C68)	4	-	3	75	336	205	623
Esophagus (C15)	-	-	2	215	309	85	611
Lip, oral cavity and pharynx (C00-C14)	-	2	4	188	321	79	594
Other neoplasms of lymphatic and haematopoietic tissue (C81-C90, C96)	3	10	39	133	273	89	547
Stomach (C16)	-	-	5	111	294	111	521
Pancreas (C25)	-	-	4	107	234	85	430
Liver and intrahepatic bile ducts (C22)	-	-	8	82	226	103	419
Leukaemia (C91-C95)	13	14	22	52	155	74	330
Brain (C71)	8	13	16	103	151	33	324
Melanoma of skin (C43-C44)	-	-	6	49	101	125	281
Rectum, rectosigmoid junction and anus (C19-C21)	-	-	4	31	94	47	176
Bones and connective tissues (C40-C41)	3	9	13	20	47	10	102
Breast (C50)	-	-	-	2	8	6	16
Others	8	6	19	170	374	149	726
Total	39	55	159	2 357	7 512	3 834	13 956
Crude rate per 100 000 male population							
Trachea, bronchus and lung	-	-	0.5	35.0	255.8	443.1	62.2
Prostate	-	-	-	5.5	167.0	968.3	54.0
Intestine, except rectum	-	0.1	0.5	7.7	65.7	195.2	18.0
Larynx	-	-	-	10.1	51.5	84.1	13.3
Urinary tract	0.6	-	0.2	4.3	39.5	131.6	11.1
Esophagus	-	-	0.1	12.3	36.4	54.6	10.9
Lip, oral cavity and pharynx	-	0.3	0.3	10.8	37.8	50.7	10.6
Other neoplasms of lymphatic and haematopoietic tissue	0.5	1.4	2.6	7.6	32.1	57.2	9.8
Stomach	-	-	0.3	6.4	34.6	71.3	9.3
Pancreas	-	-	0.3	6.1	27.5	54.6	7.7
Liver and intrahepatic bile ducts	-	-	0.5	4.7	26.6	66.1	7.5
Leukaemia	2.1	2.0	1.5	3.0	18.2	47.5	5.9
Brain	1.3	1.8	1.1	5.9	17.8	21.2	5.8
Melanoma of skin	-	-	0.4	2.8	11.9	80.3	5.0
Rectum, rectosigmoid junction and anus	-	-	0.3	1.8	11.1	30.2	3.1
Bones and connective tissues	0.5	1.3	0.9	1.1	5.5	6.4	1.8
Breast	-	-	-	0.1	0.9	3.9	0.3
Others	1.3	0.8	1.3	9.7	44.0	95.7	13.0
Total	6.3	7.7	10.5	134.9	883.9	2 462.0	249.3

Table 31. Malignant neoplasms mortality by age. Female sex. 2016

Location	<10	10-19	20-39	40-59	60-79	80 and over	Total
Number of deaths							
Trachea, bronchus and lung (C33-C34)	-	-	5	354	1 264	430	2 053
Breast (C50)	-	1	34	445	644	401	1 525
Intestine, except rectum (C17-C18)	-	-	17	163	653	493	1 326
Uterus, other and unspecified (C54-C55)	-	-	11	140	348	173	672
Cervix uteri (C53)	-	-	29	213	204	66	512
Other neoplasms of lymphatic and haematopoietic tissue (C81-C90, C96)	2	1	25	100	225	74	427
Pancreas (C25)	-	-	2	70	223	119	414
Stomach (C16)	-	-	5	58	181	124	368
Liver and intrahepatic bile ducts (C22)	-	-	5	54	202	98	359
Brain (C71)	5	3	24	85	139	36	292
Leukaemia (C91-C95)	10	13	23	63	104	58	271
Urinary tract (C64-C68)	1	1	2	32	124	102	262
Rectum, rectosigmoid junction and anus (C19-C21)	-	-	1	45	95	63	204
Melanoma of skin (C43-C44)	-	-	5	23	51	101	180
Lip, oral cavity and pharynx (C00-C14)	-	-	5	30	77	51	163
Esophagus (C15)	-	-	-	41	69	41	151
Larynx (C32)	-	-	3	22	58	32	115
Bones and connective tissues (C40-C41)	1	4	7	18	37	15	82
Others	5	4	32	235	480	215	971
Total	24	27	235	2 191	5 178	2 692	10 347
Crude rate per 100 000 female population							
Trachea, bronchus and lung	-	-	0.3	19.8	135.5	213.3	36.4
Breast	-	0.1	2.4	24.9	69.0	198.9	27.0
Intestine, except rectum	-	-	1.2	9.1	70.0	244.5	23.5
Uterus, other and unspecified	-	-	0.8	7.8	37.3	85.8	11.9
Cervix uteri	-	-	2.0	11.9	21.9	32.7	9.1
Other neoplasms of lymphatic and haematopoietic tissue	0.3	0.1	1.7	5.6	24.1	36.7	7.6
Pancreas	-	-	0.1	3.9	23.9	59.0	7.3
Stomach	-	-	0.3	3.2	19.4	61.5	6.5
Liver and intrahepatic bile ducts	-	-	0.3	3.0	21.7	48.6	6.4
Brain	0.9	0.4	1.7	4.8	14.9	17.9	5.2
Leukaemia	1.7	1.9	1.6	3.5	11.1	28.8	4.8
Urinary tract	0.2	0.1	0.1	1.8	13.3	50.6	4.6
Rectum, rectosigmoid junction and anus	-	-	0.1	2.5	10.2	31.2	3.6
Melanoma of skin	-	-	0.3	1.3	5.5	50.1	3.2
Lip, oral cavity and pharynx	-	-	0.3	1.7	8.3	25.3	2.9
Esophagus	-	-	-	2.3	7.4	20.3	2.7
Larynx	-	-	0.2	1.2	6.2	15.9	2.0
Bones and connective tissues	0.2	0.6	0.5	1.0	4.0	7.4	1.5
Others	0.9	0.6	2.2	13.1	51.5	106.6	17.2
Total	4.1	4.0	16.3	122.5	555.0	1 335.3	183.5

Table 32. Heart diseases mortality. 2015-2016

Causes	2015	2016
Number of deaths		
Ischaemic heart diseases (I20-I25)	17 022	16 157
Chronic ischaemic heart disease (I25)	8 920	8 303
Acute myocardial infarction (I21-I22)	7 181	7 177
Other acute ischaemic heart diseases (I24)	885	629
Hypertensive diseases (I10-I15)	3 503	3 784
Heart failure (I50)	1 912	2 104
Cardiomyopathy (I42)	854	861
Conduction disorders and cardiac arrhythmias (I44-I45, I47-I49)	477	546
Valve disorders nonrheumatic (I34-I38)	229	270
Chronic rheumatic heart diseases (I05-I09)	150	143
Other forms of heart disease (I26-I28, I30-I33, I39-I41, I43, I46, I51-I52)	499	597
Total	24 646	24 462
Crude rate per 100 000 population		
Ischaemic heart diseases	151.7	143.8
Chronic ischaemic heart disease	79.5	73.9
Acute myocardial infarction	64.0	63.9
Other acute ischaemic heart diseases	7.9	5.6
Hypertensive diseases	31.2	33.7
Heart failure	17.0	18.7
Cardiomyopathy	7.6	7.7
Conduction disorders and cardiac arrhythmias	4.2	4.9
Valve disorders nonrheumatic	2.0	2.4
Chronic rheumatic heart diseases	1.3	1.3
Other forms of heart disease	4.4	5.3
Total	219.6	217.7

Table 33. Heart diseases mortality by age. Male sex. 2016

Causes	<20	20-39	40-59	60-79	80 and over	Total*
Number of deaths						
Ischaemic heart diseases (I20-I25)	2	76	1 245	4 118	3 280	8 724
Acute myocardial infarction (I21-I22)	2	60	850	2 177	1 165	4 257
Other acute ischaemic heart diseases (I24)	-	1	34	132	145	312
Chronic ischaemic heart disease (I25)	-	15	359	1 788	1 963	4 125
Hypertensive diseases (I10-I15)	1	20	264	871	758	1 914
Heart failure (I50)	-	4	59	379	574	1 018
Cardiomyopathy (I42)	8	25	176	239	109	558
Conduction disorders and cardiac arrhythmias (I44-I45, I47-I49)	4	5	50	123	111	293
Valve disorders nonrheumatic (I34-I38)	-	2	42	70	33	147
Chronic rheumatic heart diseases (I05-I09)	1	6	22	26	7	62
Other forms of heart disease (I26-I28, I30-I33, I39-I41, I43, I46, I51-I52)	1	12	74	138	98	323
Total	17	150	1 932	5 964	4 970	13 039
Crude rate per 100 000 male population						
Ischaemic heart diseases	0.2	5.0	71.3	484.5	2 106.2	155.8
Acute myocardial infarction	0.2	4.0	48.7	256.2	748.1	76.0
Other acute ischaemic heart diseases	-	0.1	1.9	15.5	93.1	5.6
Chronic ischaemic heart disease	-	1.0	20.5	210.4	1 260.5	73.7
Hypertensive diseases	0.1	1.3	15.1	102.5	486.7	34.2
Heart failure	-	0.3	3.4	44.6	368.6	18.2
Cardiomyopathy	0.6	1.7	10.1	28.1	70.0	10.0
Conduction disorders and cardiac arrhythmias	0.3	0.3	2.9	14.5	71.3	5.2
Valve disorders nonrheumatic	-	0.1	2.4	8.2	21.2	2.6
Chronic rheumatic heart diseases	0.1	0.4	1.3	3.1	4.5	1.1
Other forms of heart disease	0.1	0.8	4.2	16.2	62.9	5.8
Total	1.3	9.9	110.6	701.8	3 191.4	232.9

*Includes deaths of unknown age

Table 34. Heart diseases mortality by age. Female sex. 2016

Causes	<20	20-39	40-59	60-79	80 and over	Total
Number of deaths						
Ischaemic heart diseases (I20-I25)	2	22	527	2 802	4 080	7 433
Chronic ischaemic heart disease (I25)	-	-	175	1 383	2 620	4 178
Acute myocardial infarction (I21-I22)	2	21	330	1 302	1 265	2 920
Other acute ischaemic heart diseases (I24)	-	1	20	108	188	317
Hypertensive diseases (I10-I15)	-	11	157	770	932	1 870
Heart failure (I50)	1	1	31	353	700	1 086
Conduction disorders and cardiac arrhythmias (I44-I45, I47-I49)	-	3	24	99	127	253
Cardiomyopathy (I42)	5	9	51	136	102	303
Valve disorders nonrheumatic (I34-I38)	-	4	29	53	37	123
Chronic rheumatic heart diseases (I05-I09)	-	5	36	31	9	81
Other forms of heart disease (I26-I28, I30-I33, I39-I41, I43, I46, I51-I52)	3	7	36	120	108	274
Total	11	62	891	4 364	6 095	11 423
Crude rate per 100 000 female population						
Ischaemic heart diseases	0.2	1.5	29.1	300.3	2 023.8	131.8
Chronic ischaemic heart disease	-	-	9.7	148.2	1 299.6	74.1
Acute myocardial infarction	0.2	1.5	18.3	139.6	627.5	51.8
Other acute ischaemic heart diseases	-	0.1	1.1	11.6	93.3	5.6
Hypertensive diseases	-	0.8	8.7	82.5	462.3	33.2
Heart failure	0.1	0.1	1.7	37.8	347.2	19.3
Conduction disorders and cardiac arrhythmias	-	0.2	1.3	10.6	63.0	4.5
Cardiomyopathy	0.4	0.6	2.8	14.6	50.6	5.4
Valve disorders nonrheumatic	-	0.3	1.6	5.7	18.4	2.2
Chronic rheumatic heart diseases	-	0.3	2.0	3.3	4.5	1.4
Other forms of heart disease	0.2	0.5	2.0	12.9	53.6	4.9
Total	0.9	4.3	49.3	467.8	3 023.3	202.6

Table 35. Cerebrovascular diseases mortality by age. Male sex. 2016

Causes	<20	20-39	40-59	60-79	80 and over	Total*
Number of deaths						
Cerebrovascular diseases (I60-I69)	3	35	601	2 179	1 973	4 793
Occlusion (I63)	-	4	129	790	791	1 715
Haemorrhage (I60-I62)	3	31	377	680	337	1 429
Other cerebrovascular diseases (I64, I67)	-	-	60	378	472	910
Sequelae of cerebrovascular disease (I69)	-	-	35	331	373	739
Crude rate per 100 000 male population						
Cerebrovascular diseases	0.2	2.3	34.4	256.4	1 266.9	85.6
Occlusion	-	0.3	7.4	93.0	507.9	30.6
Haemorrhage	0.2	2.0	21.6	80.0	216.4	25.5
Other cerebrovascular diseases	-	-	3.4	44.5	303.1	16.3
Sequelae of cerebrovascular disease	-	-	2.0	38.9	239.5	13.2

*Includes deaths of unknown age

Table 36. Cerebrovascular diseases mortality by age. Female sex. 2016

Causes	<20	20-39	40-59	60-79	80 and over	Total
Number of deaths						
Cerebrovascular diseases (I60-I69)	5	31	364	1 663	2 609	4 672
Occlusion (I63)	-	4	84	626	1 051	1 765
Haemorrhage (I60-I62)	5	22	223	544	471	1 265
Other cerebrovascular diseases (I64,I67)	-	3	32	308	589	932
Sequelae of cerebrovascular disease (I69)	-	2	25	185	498	710
Crude rate per 100 000 female population						
Cerebrovascular diseases	0.4	2.2	20.1	178.3	1 294.1	82.9
Occlusion	-	0.3	4.6	67.1	521.3	31.3
Haemorrhage	0.4	1.5	12.3	58.3	233.6	22.4
Other cerebrovascular diseases	-	0.2	1.8	33.0	292.2	16.5
Sequelae of cerebrovascular disease	-	0.1	1.4	19.8	247.0	12.6

Table 37. Unintentional injuries mortality. Selected causes. 2015-2016

Causes	2015	2016
Number of deaths		
Accidental falls*	2 487	2 435
Motor vehicle accidents	913	916
Accidental drowning and submersion	200	261
Other transport accidents	135	130
Exposure to electric current	119	93
Accidental poisoning	82	92
Exposure to smoke, fire and flames	55	41
Others	1 520	1 537
Total	5 511	5 505
Crude rate per 100 000 population		
Accidental falls*	22.2	21.7
Motor vehicle accidents	8.1	8.2
Accidental drowning and submersion	1.8	2.3
Other transport accidents	1.2	1.2
Exposure to electric current	1.1	0.8
Accidental poisoning	0.7	0.8
Exposure to smoke, fire and flames	0.5	0.4
Others	13.5	13.7
Total	49.1	49.0

* Exclude sequelae of accidental falls.

Table 38. Unintentional injuries mortality. Selected causes by age. Male sex. 2016

Causes	<10	10-19	20-39	40-59	60-79	80 and over	Total**
	Number of deaths						
Falls (W00-W19)*	3	5	25	137	344	624	1 138
Transport accidents (V01-V99)	11	30	221	339	183	57	843
Motor vehicle accidents	10	25	192	297	158	44	727
Other transport accidents	1	5	29	42	25	13	116
Pedestrian injured in transport accident (V01-V09)	6	12	39	95	84	42	280
Pedal cyclist injured in transport accident (V10-V19)	2	5	21	38	31	9	106
Sequelae of unintentional injuries (Y85-Y86)	-	-	2	15	75	235	327
Accidental drowning and submersion (W65-W74)	13	41	58	69	42	7	232
Accidental poisoning (X40-X49)	3	1	11	37	21	9	83
Exposure to electric current (W85-W87)	3	4	27	40	7	-	81
Exposure to smoke, fire and flames (X00-X09)	1	1	-	5	8	13	28
Other accidents (W20-W64,W75-W84,W88-W99,X10-X39,X50-X59)	11	6	34	76	65	36	228
Total	45	88	378	718	745	981	2 960
Crude rate per 100 000 male population							
Falls	0.5	0.7	1.7	7.8	40.5	400.7	20.3
Transport accidents	1.8	4.2	14.6	19.4	21.5	36.6	15.1
Motor vehicle accidents	1.6	3.5	12.7	17.0	18.6	28.3	13.0
Other transport accidents	0.2	0.7	1.9	2.4	2.9	8.3	2.1
Pedestrian injured in transport accident	1.0	1.7	2.6	5.4	9.9	27.0	5.0
Pedal cyclist injured in transport accident	0.3	0.7	1.4	2.2	3.6	5.8	1.9
Sequelae of unintentional injuries	-	-	0.1	0.9	8.8	150.9	5.8
Accidental drowning and submersion	2.1	5.8	3.8	3.9	4.9	4.5	4.1
Accidental poisoning	0.5	0.6	1.8	2.3	0.8	-	1.4
Exposure to electric current	0.5	0.1	0.7	2.1	2.5	5.8	1.5
Exposure to smoke, fire and flames	0.2	0.1	-	0.3	0.9	8.3	0.5
Other accidents	1.8	0.8	2.2	4.4	7.6	23.1	4.1
Total	7.3	12.4	25.0	41.1	87.7	629.9	52.9

* Exclude sequelae of accidental falls.

** Include death at unknown age.

Table 39. Unintentional injuries mortality. Selected causes by age. Female sex. 2016

Causes	<10	10-19	20-39	40-59	60-79	80 and over	Total
							Number of deaths
Falls (W00-W19)*	-	1	3	23	286	984	1 297
Sequelae of unintentional injuries (Y85-Y86)	-	-	1	2	131	754	888
Transport accidents (V01-V99)	8	16	49	72	43	15	203
Motor vehicle accidents	8	15	47	70	36	13	189
Other transport accidents	0	1	2	2	7	2	14
Pedestrian injured in transport accident (V01-V09)	1	4	11	22	35	11	84
Pedal cyclist injured in transport accident (V10-V19)	1	1	-	2	1	-	5
Exposure to smoke, fire and flames (X00-X09)	1	-	2	2	4	4	13
Accidental drowning and submersion (W65-W74)	11	4	-	7	7	-	29
Accidental poisoning (X40-X49)	2	-	1	4	2	-	9
Exposure to electric current (W85-W87)	3	1	5	2	1	-	12
Other accidents (W20-W64,W75-W84,W88-W99,X10-X39,X50-X59)	7	2	2	15	35	33	94
Total	32	24	63	127	509	1 790	2 545
Crude rate per 100 000 female population							
Falls*	-	0.1	0.2	1.3	30.7	488.1	23.0
Sequelae of unintentional injuries	-	-	0.1	0.1	14.0	374.0	15.7
Transport accidents	1.4	2.4	3.4	4.0	4.6	7.4	3.6
Motor vehicle accidents	1.4	2.2	3.3	3.9	3.9	6.4	3.4
Other transport accidents	0.0	0.1	0.1	0.1	0.8	1.0	0.2
Pedestrian injured in transport accident	0.2	0.6	0.8	1.2	3.8	5.5	1.5
Pedal cyclist injured in transport accident	0.2	0.1	-	0.1	0.1	-	0.1
Exposure to smoke, fire and flames	0.2	-	0.1	0.1	0.4	2.0	0.2
Accidental drowning and submersion	1.9	0.6	-	0.4	0.8	-	0.5
Accidental poisoning	0.3	-	0.1	0.2	0.2	-	0.2
Exposure to electric current	0.5	0.1	0.3	0.1	0.1	-	0.2
Other accidents	1.2	0.3	0.1	0.8	3.8	16.4	1.7
Total	5.5	3.6	4.4	7.0	54.6	887.9	45.1

* Exclude sequelae of accidental falls.

Table 40. Infectious and parasitic diseases mortality (A00-B99). 1970, 1975, 1980, 1985-2016

Years	Deaths	Crude rate per 100 000 pop.	Percentage of all deaths
1970	3 886	45.4	7.2
1975	1 576	17.0	3.1
1980	986	10.1	1.8
1985	1 144	11.4	1.8
1986	880	8.7	1.4
1987	930	9.0	1.4
1988	921	8.8	1.4
1989	876	8.3	1.3
1990	1 021	9.6	1.4
1991	1 077	10.1	1.5
1992	1 155	10.7	1.5
1993	1 564	14.3	2.0
1994	1 546	14.1	2.0
1995	1 486	13.5	1.9
1996	1 262	11.5	1.6
1997	1 161	10.5	1.5
1998	986	8.9	1.3
1999	978	8.8	1.2
2000	745	6.6	1.0
2001	773	6.8	1.0
2002	725	6.4	1.0
2003	735	6.4	0.9
2004	748	6.7	0.9
2005	889	7.9	1.0
2006	812	7.2	1.0
2007	793	7.1	1.0
2008	766	6.8	0.9
2009	749	6.7	0.9
2010	895	8.0	1.0
2011	873	7.8	1.0
2012	988	8.8	1.1
2013	1 128	10.1	1.2
2014	1 202	10.8	1.2
2015	1 072	9.6	1.1
2016	1 073	9.5	1.1

Note: Include AIDS.

Table 41. Intestinal infectious diseases mortality (A00-A09). 1980, 1985-2016

Years	Deaths	Crude rate per 100 000 pop.	% of all deaths	Percentage of all deaths from infectious and parasitic diseases (%)
1980	316	3.2	0.6	32.0
1985	480	4.8	0.7	42.0
1986	313	3.1	0.5	35.6
1987	398	3.9	0.6	42.8
1988	361	3.5	0.5	39.2
1989	317	3.0	0.5	36.2
1990	429	4.0	0.6	42.0
1991	492	4.6	0.7	45.7
1992	530	4.9	0.7	45.9
1993	823	7.5	1.0	52.6
1994	799	7.3	1.0	51.7
1995	707	6.4	0.9	47.6
1996	617	5.6	0.8	48.9
1997	521	4.7	0.7	44.9
1998	487	4.4	0.6	49.4
1999	416	3.7	0.5	42.5
2000	264	2.4	0.3	35.4
2001	266	2.4	0.3	34.4
2002	253	2.2	0.3	34.9
2003	227	2.0	0.3	30.9
2004	241	2.1	0.3	32.5
2005	332	2.9	0.4	37.3
2006	239	2.1	0.3	29.4
2007	205	1.8	0.3	25.9
2008	207	1.8	0.2	27.0
2009	201	1.8	0.2	26.8
2010	265	2.4	0.3	29.6
2011	257	2.3	0.3	29.4
2012	287	2.6	0.3	29.0
2013	351	3.1	0.4	31.1
2014	318	2.8	0.3	26.5
2015	201	1.8	0.2	18.8
2016	190	1.7	0.2	17.7

Table 42. Maternal mortality by causes. 2014-2016

Causes	Number of deaths			Ratio per 100 000 live births		
	2014	2015	2016	2014	2015	2016
Direct obstetric deaths	26	29	32	21.2	23.2	27.4
Ectopic pregnancy (O00)	5	2	2	4.1	1.6	1.7
Pregnancy with abortive outcome, excludes ectopic pregnancy (O01-O08)	-	2	5	-	1.6	4.3
Complications predominantly related to the puerperium (O85-O92)	7	9	14	5.7	7.2	12.0
Obstetric embolism (O88)	4	1	9	3.3	0.8	7.7
Puerperal infections (O85-O86)	2	4	3	1.6	3.2	2.6
Complications of labour and delivery (O60-O66, O68-O71,O73-O75)	1	1	2	0.8	0.8	1.7
Placental disorders (O43-O45)	1	1	1	0.8	0.8	0.9
Other haemorrhages (O20, O46, O67, O72)	6	5	4	4.9	4.0	3.4
Hypertensive disorders (O11-O16)	2	1	2	1.6	0.8	1.7
Other complications (Remainder of O21-O23, O26, O29-O42,O47- O48, O95, A34, C58)	4	8	2	3.3	6.4	1.7
Indirect obstetric deaths	17	23	17	13.9	18.4	14.5
Diseases of the circulatory system (O99.4)	10	4	5	8.2	3.2	4.3
Anaemia (O99.0)	-	2	-	-	1.6	-
Infectious and parasitic diseases (O98)	-	2	1	-	1.6	0.9
Diseases of the respiratory system complicating pregnancy, childbirth and the puerperium (O99.5)	-	3	1	-	2.4	0.9
Other diseases (Remainder of O10, O24-O25, O28, O99.1-O99.3, O99.6-O99.8, E23.0, M83.0, F53)	7	12	10	5.7	9.6	8.6
Maternal mortality	43	52	49	35.1	41.6	41.9

Note: Maternal mortality include direct and indirect causes.

Table 43. Mortality related to pregnancy, childbirth and the puerperium by causes. 2014-2016

Causes	Number of deaths			Ratio per 100 000 live births		
	2014	2015	2016	2014	2015	2016
Direct obstetric deaths	26	29	32	21.2	23.2	27.4
Indirect obstetric deaths	17	23	17	13.9	18.4	14.5
Other causes	5	9	2	4.1	7.2	1.7
Malignant neoplasms (C00-C97)	1	-	-	0.8	-	-
Disease of the respiratory system (J00-J99)	-	1	-	-	0.8	-
Assault (X85-Y09)	2	4	-	1.6	3.2	-
Mortality related to pregnancy, childbirth and the puerperium	48	61	51	39.1	48.8	43.6
Late maternal death	6	6	9	4.9	4.8	7.7
Death from sequelae of direct obstetric causes	1	-	2	0.8	-	1.7

Definitions:

- **Mortality related to pregnancy, childbirth and the puerperium:** A pregnancy-related death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the cause of death.
- **Late maternal death:** A late maternal death is the death of a woman from direct or indirect obstetric causes more than 42 days but less than one year after termination of pregnancy.
- **Death from sequelae of direct obstetric causes:** Death from any direct obstetric cause occurring one year or more after termination of pregnancy.

Table 44. Mortality from selected notifiable diseases. 1970, 1980, 2000, 2015-2016

Causes	1970	1980	2000	2015	2016
Number of deaths					
Typhoid fever (A010)	2	1	2	-	-
Tuberculosis (A15-A19)	622	135	44	36	39
Diphtheria (A36)	1	-	-	-	-
Tetanus (A33-A35)	81	13	1	-	-
Acute poliomyelitis (A80)	-	-	-	-	-
Measles (B05)	43	3	-	-	-
Syphilis (A50-A53)	24	3	1	2	-
Whooping cough (A37)	28	2	-	-	-
Crude rate per 100 000 population					
Typhoid fever	0.0	0.0	0.0	-	-
Tuberculosis	7.3	1.4	0.4	0.3	0.3
Diphtheria	0.0	-	-	-	-
Tetanus	0.9	0.1	0.0	-	-
Acute poliomyelitis	-	-	-	-	-
Measles	0.5	0.0	-	-	-
Syphilis	0.3	0.0	0.0	0.0	-
Whooping cough	0.3	0.0	-	-	-

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Table 45. Incidence of selected notifiable diseases by sex. 2000, 2015-2016

Diseases	2000			2015			2016		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Typhoid fever	37	25	12	1	-	-	1	-	1
Tuberculosis	1 133	880	253	647	500	147	638	481	157
Tuberculosis of meninges	2	-	2	1	1	-	-	-	-
Leprosy	278	145	133	207	104	103	186	90	96
Diphtheria	-	-	-	-	-	-	-	-	-
Whooping cough	-	-	-	-	-	-	-	-	-
Tetanus	1	1	-	1	-	1	-	-	-
Infant tetanus	-	-	-	-	-	-	-	-	-
Measles	-	-	-	-	-	-	-	-	-
Rabies	1	1	-	1	1	-	1	1	-
Meningococcal meningitis	41	25	16	8	4	4	8	2	6
Gonorrhea	19 067	13 848	5 219	3 961	2 570	1 391	3 548	2 303	1 245
Syphilis	9 199	4 734	4 465	4 582	2 753	1 829	5 008	2 899	2 109
AIDS	258	198	60	545	449	96	158	126	32
Poliomyelitis	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	-	-
Mumps	-	-	-	-	-	-	-	-	-
Haemophilus meningitis	35	24	11	19	13	6	12	6	6
Pneumococcal meningitis	188	104	84	109	56	53	122	68	54

Incidence rate per 100 000 population

Typhoid fever	0.3	0.4	0.2	0.0	-	0.0	0.0	-	0.0
Tuberculosis	10.1	15.8	4.6	5.8	8.9	2.6	5.7	8.6	2.8
Tuberculosis of meninges	0.0	-	0.0	0.0	0.0	-	-	-	-
Leprosy	2.5	2.6	2.4	1.8	1.9	1.8	1.7	1.6	1.7
Diphtheria	-	-	-	-	-	-	-	-	-
Whooping cough	-	-	-	-	-	-	-	-	-
Tetanus	0.0	0.0	-	0.0	-	0.0	-	-	-
Infant tetanus	-	-	-	-	-	-	-	-	-
Measles	-	-	-	-	-	-	-	-	-
Rabies	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-
Meningococcal meningitis	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.0	0.1
Gonorrhea	170.4	248.6	93.9	35.3	45.9	24.7	31.6	41.1	22.1
Syphilis	82.2	85.0	80.3	40.8	49.2	32.5	44.6	51.8	37.4
AIDS *	23.2	35.6	10.8	35.5	58.3	12.8	14.1	22.5	5.7
Poliomyelitis	-	-	-	-	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	-	-
Mumps	-	-	-	-	-	-	-	-	-
Haemophilus meningitis	0.3	0.4	0.2	0.2	0.2	0.1	0.1	1.2	1.0
Pneumococcal meningitis	1.7	1.9	1.5	1.0	1.0	0.9	1.1	1.2	1.0

* Rate per 1 000 000 population of the age and sex.

Table 46. Incidence of selected notifiable diseases by age. 2016

Diseases	<1 year	1-14 years	15 years and over	Total
Cases				
Typhoid fever	-	-	1	1
Meningococcal meningitis	2	4	2	8
Meningococcaemia	-	-	1	1
Measles	-	-	-	-
Rubella	-	-	-	-
Chickenpox*	302	8 404	4 939	13 647
Viral hepatitis	2	70	317	389
Mumps	-	-	-	-
Infectious mononucleosis	6	252	32	290
Whooping cough	-	-	-	-
Tetanus	-	-	-	-
Tuberculosis	-	7	631	638
Incidence rate per 100 000 population				
Typhoid fever	-	-	0.0	0.0
Meningococcal meningitis	1.6	0.2	0.0	0.1
Meningococcaemia	-	-	0.0	0.0
Measles	-	-	-	-
Rubella	-	-	-	-
Chickenpox	247.3	477.8	52.8	121.5
Viral hepatitis	1.6	4.0	3.4	3.5
Mumps	-	-	-	-
Infectious mononucleosis	4.9	14.3	0.3	2.6
Whooping cough	-	-	-	-
Tetanus	-	-	-	-
Tuberculosis	-	0.4	6.7	5.7

* Include 2 cases of unknown age.

Table 47. Meningococcal infection incidence and mortality. 1980, 1985, 1990-2016

Years	Incidence		Mortality	
	Cases	Rate	Deaths	Rate
1980	556	5.7	118	1.2
1985	1 280	12.7	211	2.1
1990	449	4.2	118	1.1
1991	252	2.4	70	0.7
1992	142	1.3	40	0.4
1993	103	0.9	32	0.3
1994	73	0.7	27	0.2
1995	64	0.6	20	0.2
1996	75	0.7	18	0.2
1997	64	0.6	11	0.1
1998	51	0.5	7	0.1
1999	71	0.6	21	0.2
2000	56	0.5	8	0.1
2001	44	0.4	6	0.1
2002	37	0.3	5	0.0
2003	34	0.3	7	0.1
2004	34	0.3	8	0.1
2005	28	0.2	11	0.1
2006	27	0.2	4	0.0
2007	18	0.2	5	0.0
2008	13	0.1	2	0.0
2009	16	0.1	2	0.0
2010	16	0.1	6	0.1
2011	13	0.1	2	0.0
2012	10	0.1	1	0.0
2013	8	0.1	2	0.0
2014	13	0.1	3	0.0
2015	9	0.1	4	0.0
2016	9	0.1	2	0.0

Crude rate per 100 000 population.
Include meningococcal meningitis and meningococcaemia.

Table 48. Incidence of tuberculosis by age and location. 1990, 2000, 2015-2016

Age	Location	1990		2000		2015		2016	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate
	Total	9	0.3	16	0.6	16	0.8	7	0.4
<15 years	Pulmonary	6	0.2	11	0.4	12	0.6	5	0.3
	Extrapulmonary	3	0.1	5	0.2	4	0.2	2	0.1
15-64	Total	370	5.1	929	12.1	531	6.8	501	6.4
	Pulmonary	329	4.5	750	9.8	476	6.1	445	5.7
	Extrapulmonary	41	0.6	179	2.3	55	0.7	56	0.7
65 and over	Total	167	18.5	187	17.8	100	6.6	130	8.4
	Pulmonary	158	17.5	170	16.1	94	6.2	120	7.7
	Extrapulmonary	9	0.9	17	1.6	6	0.4	10	0.6
Total*	Total	546	5.1	1 133	10.1	647	5.8	638	5.7
	Pulmonary	493	4.6	932	8.3	582	5.2	570	5.1
	Extrapulmonary	53	0.4	201	1.8	65	0.6	68	0.6

* In 2000 include one case of unknown age.

Rate per 100 000 population.

Table 49. Incidence of leprosy by age and clinical type. 1990, 2000, 2015-2016

Age	Clinical type	1990		2000		2015		2016	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate
<15 years	Total	4	0.1	5	0.2	9	0.5	3	0.2
	Undetermined	2	0.0	2	0.1	3	0.2	2	0.1
	Dimorphous	1	0.0	2	0.1	1	0.1	-	-
	Tuberculoid	-	-	1	0.0	1	0.1	-	-
	Lepromatous	1	0.0	-	-	4	0.2	1	0.1
	Total	306	3.7	273	3.1	198	2.1	183	2.0
	Undetermined	74	0.9	51	0.6	29	0.3	20	0.2
	Dimorphous	68	0.8	94	1.1	82	0.9	75	0.8
	Tuberculoid	58	0.7	50	0.6	9	0.1	15	0.2
	Lepromatous	106	1.2	78	0.9	78	0.8	73	0.8
15 years and over	Total	310	2.9	278	2.5	207	1.8	186	1.7
	Undetermined	76	0.7	53	0.5	32	0.3	22	0.2
	Dimorphous	69	0.6	96	0.9	83	0.7	75	0.7
	Tuberculoid	58	0.5	51	0.5	10	0.1	15	0.1
Total	Lepromatous	107	1.0	78	0.7	82	0.7	74	0.7

Rate per 100 000 population.

Table 50. Consultations for acute diarrhoea diseases and respiratory infection by age. 2016

Age	Acute diarrhoea diseases		Acute respiratory infection	
	Cases	Rate	Cases	Rate
<1	43 533	356.4	351 022	2 874.0
1-4	68 180	135.1	1 258 933	2 494.0
5-9	25 049	43.3	807 576	1 395.5
10-14	15 769	23.4	528 528	782.7
15-24	23 725	16.0	721 416	487.4
25-59	70 050	12.2	2 025 270	353.1
60-64	10 585	18.0	266 852	452.9
65 and over	31 894	20.6	668 157	430.8
Total*	288 832	25.7	6 628 386	589.9

* Include cases of unknown age, 47 cases in acute diarrhoeal and 632 cases in respiratory.infection
Rate per 1 000 population.

Table 51. Women screened for detection of cervix cancer. 1970-2016

Years	Women screened	Rate	Years	Women screened	Rate
1970	176 307	78.5	1994	1 053 717	272.6
1971	284 382	124.4	1995	1 076 858	276.6
1972	362 802	155.2	1996	1 023 903	260.9
1973	391 418	164.2	1997	354 085	100.3
1974	435 080	177.9	1998	812 212	230.3
1975	432 093	172.8	1999	908 509	257.0
1976	412 225	162.2	2000	470 082	132.4
1977	404 585	156.8	2001	718 717	195.3
1978	395 889	150.4	2002	840 182	226.5
1979	395 066	147.1	2003	547 584	145.5
1980	426 186	156.4	2004	629 392	166.8
1981	428 001	151.7	2005	682 232	179.0
1982	482 445	170.9	2006	571 203	151.2
1983	523 457	174.0	2007	764 405	199.2
1984	533 806	173.1	2008	709 700	183.9
1985	550 951	176.2	2009	598 379	156.0
1986	637 867	197.9	2010	759 206	196.8
1987	710 255	218.9	2011	746 982	190.6
1988	788 170	232.0	2012	692 423	177.2
1989	907 921	261.0	2013	765 822	195.8
1990	904 709	254.5	2014	798 159	204.0
1991	994 020	273.8	2015	771 152	194.0
1992	942 368	253.4	2016	791 194	197.3
1993	1 022 053	269.4			

In the years 1970-1996: Rate per 1 000 women of 20 years of age and over and re-evaluation period changed to 2 years.

As of this 1997, the rate is estimated per 1 000 women of 25 years of age and over and re-evaluation period changed to 3 years.

Table 52. Women screened for detection of cervix cancer by age. 2015-2016

Age	2015		2016	
	Number	Rate	Number	Rate
25-29	147 028	389.0	139 286	358.4
30-34	97 106	309.3	99 865	308.3
35-39	94 778	247.1	91 823	259.1
40 and over	432 240	149.0	460 220	156.4
Total	771 152	194.0	791 194	197.3

Rate per 1 000 women by age.

Table 53. Number of cases of cervix cancer by clinical stage. 1990, 1995-2016

Year	Clinical stage					Total
	0	I	II	III	IV	
1990	989	107	23	4	-	1 123
1995	888	84	10	-	-	982
1996	1 055	134	13	2	-	1 204
1997	1 008	168	17	12	-	1 205
1998	928	188	21	12	-	1 149
1999	1 061	226	49	6	1	1 343
2000	1 171	171	42	2	-	1 386
2001	987	190	40	16	-	1 233
2002	1 173	222	32	29	3	1 459
2003	1 338	234	66	15	4	1 657
2004	1 114	152	22	5	2	1 295
2005	997	176	34	10	-	1 217
2006	952	117	15	11	-	1 095
2007	1 068	157	28	8	1	1 262
2008	1 133	160	45	10	2	1 350
2009	1 328	194	91	26	6	1 645
2010	954	196	79	31	3	1 263
2011	1 060	163	76	23	12	1 334
2012	941	260	130	78	6	1 415
2013	846	221	148	46	15	1 276
2014	877	296	203	67	18	1 461
2015	843	279	223	83	13	1 441
2016	621	264	159	44	10	1 098
Percentage of total						
	0	I	II	III	IV	
1990	88.1	9.5	2.0	0.4	-	100.0
1995	90.4	8.6	1.0	-	-	100.0
1996	87.6	11.1	1.1	0.2	-	100.0
1997	83.7	13.9	1.4	1.0	-	100.0
1998	80.8	16.4	1.8	1.0	-	100.0
1999	79.0	16.8	3.7	0.4	0.1	100.0
2000	84.5	12.4	3.0	0.1	-	100.0
2001	80.1	15.4	3.2	1.3	-	100.0
2002	80.4	15.2	2.2	2.0	0.2	100.0
2003	80.7	14.1	4.0	1.0	0.2	100.0
2004	86.0	11.7	1.7	0.4	0.2	100.0
2005	81.9	14.5	2.8	0.8	-	100.0
2006	86.9	10.7	1.4	1.0	-	100.0
2007	84.6	12.5	2.2	0.6	0.1	100.0
2008	83.9	11.9	3.3	0.8	0.1	100.0
2009	80.7	11.8	5.5	1.6	0.4	100.0
2010	75.5	15.5	6.3	2.5	0.2	100.0
2011	79.5	12.2	5.7	1.7	0.9	100.0
2012	66.5	18.4	9.2	5.5	0.4	100.0
2013	66.3	17.3	11.6	3.6	1.2	100.0
2014	60.0	20.3	13.9	4.6	1.2	100.0
2015	58.5	19.4	15.5	5.8	0.9	100.0
2016	56.6	24.0	14.5	4.0	0.9	100.0

Table 54. Incidence of cancer by sex and leading locations. 2013

MALE			
Location	No.	Crude rate	Adjusted rate *
Skin	5 627	101.0	62.6
Prostate	4 132	74.2	40.7
Bronchus, lung	3 629	65.1	40.4
Lip, oral cavity and pharynx	1 178	21.1	14.5
Larynx	1 173	21.1	14.0
Colon	1 048	18.8	11.2
Bladder	842	15.1	9.1
Esophagus	717	12.9	8.8
Lymphoma	623	11.2	8.0
- Non - Hodgkin	500	9.0	6.2
- Hodgkin	123	2.2	1.8
Stomach	592	10.6	6.7
Total**	23 499	421.8	263.2

FEMALE			
Location	No.	Crude rate	Adjusted rate *
Skin	4 805	85.9	49.0
Breast	3 621	64.7	39.4
Bronchus, lung	2 093	37.4	21.5
Cervix uteri	1 489	26.6	17.3
Colon	1 469	26.3	13.2
Corpus uteri	795	14.2	8.7
Ovary	567	10.1	6.8
Lymphoma	501	9.0	5.9
- Non - Hodgkin	395	7.1	4.4
- Hodgkin	106	1.9	1.5
Pancreas	446	8.0	4.2
Thyroid gland	421	7.5	5.2
Total**	21 109	377.5	223.1

* For the world population.

** Includes the rest of locations.

Rate per 100 000 population.

Location: According to the International Classification of Diseases for Oncology. Third edition. First review. Geneva. World Health Organization. 2013.

Source: National Cancer Registry.

Table 55. Incidence of cancer in population under 20 years of age by diagnostics group and age. 2013

Diagnostics group	<1		1-4		5-9		10-14	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
I. Leukemia	2	15.2	28	57.9	13	21.2	17	24.5
-Lymphoid	2	15.2	25	51.7	9	14.7	12	17.3
-Acute non lymphocytic	-	-	3	6.2	4	6.5	4	5.8
-Chronic myeloid	-	-	-	-	-	-	1	1.4
-Other unspecified	-	-	-	-	-	-	-	-
II. Lymphoma and reticuloendotheliosis	-	-	6	12.4	10	16.3	12	17.3
- Non - Hodgkin	-	-	6	12.4	7	11.4	4	5.8
- Hodgkin	-	-	-	-	3	4.9	8	11.5
III. Central nervous system	5	38.1	17	35.2	15	24.5	16	23.0
- Ependymoma	2	15.2	-	-	2	3.3	-	-
- Astrocytoma	1	7.6	8	16.5	5	8.2	9	13.0
- Other gliomas	1	7.6	7	14.5	1	1.6	5	7.2
- Other unspecified	1	7.6	2	4.1	7	11.4	2	2.9
IV. Sympathetic Nervous System	5	38.1	7	14.5	2	3.3	1	1.4
-Neuroblastoma	5	38.1	6	12.4	2	3.3	1	1.4
-Ganglioneuroblastoma	-	-	1	2.1	-	-	-	-
V. Retinoblastomas	3	22.8	3	6.2	-	-	1	1.4
VI. Kidney	-	-	6	12.4	6	9.8	-	-
-Wilms Tumor	-	-	5	10.3	5	8.2	-	-
-Other unspecified	-	-	1	2.1	1	1.6	-	-
VII. Hepatic tumors	-	-	1	2.1	-	-	-	-
VIII. Bone tumors	-	-	-	-	5	8.2	5	7.2
- Osteosarcomas	-	-	-	-	3	4.9	1	1.4
- Ewing Sarcoma	-	-	-	-	-	-	3	4.3
- Other unspecified	-	-	-	-	2	3.3	1	1.4
IX. Sarcoma of soft tissue	-	-	6	12.4	1	1.6	4	5.8
X. Germ cells tumors, trophoblastic and other tumors	-	-	1	2.1	-	-	2	2.9
XI. Carcinoma and other epithelial malignant tumors	-	-	1	2.1	4	6.5	6	8.7
- Malignant melanoma	-	-	-	-	-	-	-	-
- Carcinoma of skin	-	-	-	-	-	-	-	-
- Carcinoma of thyroid	-	-	-	-	1	1.6	2	2.9
- Carcinoma of nasopharynx	-	-	-	-	-	-	-	-
- Other carcinoma and unspecified	-	-	1	2.1	3	4.9	4	5.8
XII. Other tumors unspecified	-	-	2	4.1	5	8.2	5	7.2
Total	15	114.2	78	161.3	61	99.6	69	99.3

Rate per 1 000 000 population.

Diagnostic groups: According to the International Classification of Tumors Children.

Source: National Cancer Registry.

**Table 55. Incidence of cancer in population under 20 years of age by diagnostics group and age. 2013
(Continued)**

Diagnostics group	0-14		<15		<20		
	No.	Rate	No.	Rate	No.	Rate	AR
I. Leukemia	60	31.2	21	29.8	81	30.8	32.3
- Lymphoid	48	25.0	9	12.8	57	21.7	23.8
- Acute non lymphocytic	11	5.7	10	14.2	21	8.0	7.6
- Chronic myeloid	1	0.5	1	1.4	2	0.8	0.6
- Other unspecified	-	-	1	1.4	1	0.4	0.3
II. Lymphoma and reticuloendotheliosis	28	14.6	20	28.4	48	18.3	17.3
- Non - Hodgkin	17	8.8	9	12.8	26	9.9	7.3
- Hodgkin	11	5.7	11	15.6	22	8.4	10.0
III. Central nervous system	53	27.6	16	22.7	69	26.3	27.1
- Ependymoma	4	2.1	-	-	4	1.5	1.7
- Astrocytoma	23	12.0	8	11.4	31	11.8	12.0
- Other gliomas	14	7.3	1	1.4	15	5.7	6.3
- Other unspecified	12	6.2	7	9.9	19	7.2	7.2
IV. Sympathetic Nervous System	15	7.8	1	1.4	16	6.1	7.2
- Neuroblastoma	14	7.3	1	1.4	15	5.7	6.7
- Ganglioneuroblastoma	1	0.5	-	-	1	0.4	0.5
V. Retinoblastomas	7	3.6	-	-	7	2.7	3.2
VI. Kidney	12	6.2	1	1.4	13	5.0	5.7
- Wilms Tumor	10	5.2	-	-	10	3.8	4.5
- Other unspecified	2	1.0	1	1.4	3	1.1	1.2
VII. Hepatic tumors	1	0.5	1	1.4	2	0.8	0.8
VIII. Bone tumors	10	5.2	8	11.4	18	6.9	6.2
- Osteosarcomas	4	2.1	7	9.9	11	4.2	3.8
- Ewing Sarcoma	3	1.6	-	-	3	1.1	1.0
- Other unspecified	3	1.6	1	1.4	4	1.5	1.5
IX. Sarcoma of soft tissue	11	5.7	9	12.8	20	7.6	7.6
X. Germ cells tumors, trophoblastic and other tumors	3	1.6	3	4.3	6	2.3	2.1
XI. Carcinoma and other epithelial malignant tumors	11	5.8	33	46.8	44	16.9	14.5
- Malignant melanoma	-	-	1	1.4	1	0.4	0.3
- Carcinoma of skin	-	-	12	17.0	12	4.6	3.8
- Carcinoma of thyroid	3	1.6	9	12.8	12	4.6	3.9
- Carcinoma of nasopharynx	-	-	2	2.8	2	0.8	0.6
- Other carcinoma and unspecified	8	4.2	9	12.8	17	6.5	5.9
XII. Other tumors unspecified	12	6.2	14	19.9	26	9.9	9.1
Total	223	116.1	127	180.3	350	133.3	133.4

AR Adjusted rate for the world population.

Rate per 1 000 000 population.

Diagnostic group: According to the International Classification of Tumors Children.

Source: National Cancer Registry.

Table 56. Incidence of cancer in male population aged 20 years and over by leading location and age. 2013

Location	20-24		25-29		30-34		35-39		40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Skin	13	3.1	33	8.6	37	11.1	117	25.2	214	42.2
Prostate	3	0.7	1	0.3	1	0.3	2	0.4	1	0.2
Bronchus, lung	3	0.7	2	0.5	5	1.5	12	2.6	31	6.1
Lip, oral cavity and pharynx	1	0.2	5	1.3	4	1.2	13	2.8	43	8.5
Larynx	1	0.2	-	-	2	0.6	6	1.3	35	6.9
Colon	1	0.2	3	0.8	1	0.3	8	1.7	20	3.9
Bladder	-	-	-	-	4	1.2	1	0.2	10	2.0
Esophagus	1	0.2	1	0.3	-	-	5	1.1	20	3.9
Lymphoma	24	5.7	15	3.9	23	6.9	19	4.1	33	6.5
- Non - Hodgkin	12	2.8	6	1.6	14	4.2	10	2.2	20	3.9
- Hodgkin	12	2.8	9	2.3	9	2.7	9	1.9	13	2.6
Stomach	4	0.9	1	0.3	-	-	3	0.6	13	2.6
Total*	88	20.7	101	26.2	125	37.6	271	58.4	549	108.4

Localización	45-49		50-54		55-59		60 and over		Total	
	No.	Tasa	No.	Tasa	No.	Tasa	No.	Tasa	No.	Tasa
Skin	389	75.1	404	117.5	433	145.8	3 980	418.4	5 620	133.1
Prostate	20	3.9	73	21.2	155	52.2	3 875	407.4	4 131	97.8
Bronchus, lung	98	18.9	213	61.9	335	112.8	2 929	307.9	3 628	85.9
Lip, oral cavity and pharynx	91	17.6	151	43.9	149	50.2	716	75.3	1 173	27.8
Larynx	56	10.8	115	33.4	157	52.9	800	84.1	1 172	27.7
Colon	38	7.3	51	14.8	71	23.9	851	89.5	1 044	24.7
Bladder	20	3.9	38	11.1	72	24.2	695	73.1	840	19.9
Esophagus	61	11.8	96	27.9	103	34.7	430	45.2	717	17.0
Lymphoma	48	9.3	58	16.9	47	15.8	324	34.1	591	14.0
- Non - Hodgkin	40	7.7	48	14.0	38	12.8	292	30.7	480	11.4
- Hodgkin	8	1.5	10	2.9	9	3.0	32	3.4	111	2.6
Stomach	21	4.1	48	14.0	53	17.8	449	47.2	592	14.0
Total*	1 107	213.8	1 546	449.6	1 936	651.8	17 573	1 847.5	23 296	551.5

* Includes the rest of locations. Excluded 3 cases of unknown age.

Rate per 100 000 population.

Source: National Cancer Registry.

Table 57. Incidence of cancer in female population aged 20 years and over by leading locations and age. 2013

Localización	20-24		25-29		30-34		35-39		40-44	
	No.	Rate	No.	Rate	No.	No.	Rate	No.	Rate	No.
Skin	14	3.5	35	9.7	53	17.0	134	29.8	273	53.9
Breast	3	0.7	21	5.8	38	12.2	104	23.1	262	51.7
Bronchus, lung	2	0.5	3	0.8	4	1.3	10	2.2	28	5.5
Cervix uteri	13	3.2	38	10.5	71	22.8	140	31.1	161	31.8
Colon	3	0.7	2	0.6	3	1.0	9	2.0	32	6.3
Corpus uteri	2	0.5	1	0.3	4	1.3	11	2.4	16	3.2
Ovary	15	3.7	19	5.2	18	5.8	24	5.3	49	9.7
Lymphoma	12	3.0	11	3.0	23	7.4	19	4.2	27	5.3
- Non - Hodgkin	5	1.2	3	0.8	15	4.8	12	2.7	17	3.4
- Hodgkin	7	1.7	8	2.2	8	2.6	7	1.6	10	2.0
Pancreas	1	0.2	1	0.3	2	0.6	2	0.4	7	1.4
Thyroid gland	22	5.5	29	8.0	30	9.6	40	8.9	53	10.5
Total*	118	29.3	199	54.9	289	92.7	571	127	1 103	217.7

Localización	45-49		50-54		55-59		60 and over		Total	
	No.	Tasa	No.	Tasa	No.	Tasa	No.	Tasa	No.	Tasa
Skin	366	69.0	385	106.6	375	118.5	3 163	294.7	4 798	111.2
Breast	414	78.0	427	118.2	406	128.3	1 946	181.3	3 621	83.9
Bronchus, lung	78	14.7	135	37.4	206	65.1	1 625	151.4	2 091	48.5
Cervix uteri	191	36.0	188	52.1	155	49.0	531	49.5	1 488	34.5
Colon	55	10.4	77	21.3	79	25.0	1 208	112.6	1 468	34.0
Corpus uteri	37	7.0	76	21.0	109	34.4	538	50.1	794	18.4
Ovary	69	13.0	70	19.4	57	18.0	235	21.9	556	12.9
Lymphoma	31	5.8	49	13.6	37	11.7	275	25.6	484	11.2
- Non - Hodgkin	20	3.8	39	10.8	29	9.2	248	23.1	388	9.0
- Hodgkin	11	2.1	10	2.8	8	2.5	27	2.5	96	2.2
Pancreas	16	3.0	24	6.6	26	8.2	364	33.9	443	10.3
Thyroid gland	45	8.5	32	8.9	35	11.1	128	11.9	414	9.6
Total*	1 579	297.6	1 825	505.3	1 928	609.3	13 345	1 243.6	20 957	485.8

* Includes the rest of locations. Excluded 2 cases of unknown age.

Rate per 100 000 population.

Source: National Cancer Registry.

Table 58. Total doses administered by beginning date and type of vaccine. 1962-2016

Type of vaccine	Beganing date	Total doses administered
Tetanus toxoid vaccine (TT)	1963	88 354 999
Oral poliovirus vaccine (OPV)	1962	83 946 463
Typhoid vaccine (AT)	1963	41 521 138
Diphtheria, tetanus and pertussis vaccine (DPT)	1963	32 514 455
Diphtheria and tetanus toxoid vaccine (DT)	1963	14 233 668
Hepatitis B vaccine (HB)	1992	13 726 037
BCG vaccine	1963	13 505 028
Meningococcal type B – C vaccine (AM-BC)	1988	13 125 720
Measles, mumps, and rubella vaccine (MMR)	1986	8 077 399
H. influenzae (Hib)	1999	5 428 384
DPT+HB+Hib	2006	3 799 037
Inactivated poliovirus vaccine (IPV)	2016	185 047

Note: DPT+HB was administered from 2005 to 2007 (439 799 total doses)

Table 59. Low birth-weight. 1985, 1990-2016

Years	Live births with low weight	Percentage of all live births
1985	14 693	8.2
1990	14 260	7.6
1991	13 546	7.8
1992	13 554	8.6
1993	13 726	9.0
1994	13 112	8.9
1995	11 737	7.9
1996	10 184	7.3
1997	10 496	6.9
1998	10 145	6.7
1999	9 761	6.5
2000	8 814	6.1
2001	8 122	5.9
2002	8 314	5.9
2003	7 523	5.5
2004	6 972	5.5
2005	6 574	5.4
2006	5 985	5.4
2007	5 895	5.2
2008	6 279	5.1
2009	6 569	5.1
2010	6 847	5.4
2011	7 023	5.3
2012	6 493	5.2
2013	6 373	5.1
2014	6 509	5.3
2015	6 582	5.3
2016	6 034	5.2

HEALTH PERSONNEL AND RESOURCES

Table 60. Health budget and per capita expenses. 1959, 1960, 1965, 1970-2016

Years	Budget spending	Per capita expenses	Cuban pesos
1959	25 690 200	3.72	
1960	51 279 900	7.30	
1965	148 878 200	19.07	
1970	216 443 200	25.25	
1971	224 489 300	25.89	
1972	232 535 600	26.33	
1973	240 582 100	26.72	
1974	281 313 200	30.73	
1975	304 154 500	32.73	
1976	323 783 700	34.19	
1977	322 107 300	33.58	
1978	390 827 800	40.32	
1979	409 255 600	41.87	
1980	440 174 800	45.01	
1981	558 931 100	57.29	
1982	594 691 500	60.60	
1983	668 080 300	67.62	
1984	740 484 500	74.40	
1985	794 267 800	78.97	
1986	875 217 200	85.88	
1987	922 214 400	89.67	
1988	978 927 900	94.08	
1989	1 015 625 500	96.66	
1990	1 045 094 100	98.56	
1991	1 038 484 500	97.11	
1992	1 038 797 300	95.99	
1993	1 174 927 800	107.57	
1994	1 166 386 200	106.42	
1995	1 221 960 600	111.31	
1996	1 310 078 500	119.03	
1997	1 382 951 000	125.31	
1998	1 473 090 300	132.44	
1999	1 710 638 700	153.52	
2000	1 857 035 500	165.99	
2001	1 796 598 700	159.99	
2002	1 923 032 100	170.92	
2003	2 028 100 000	180.26	
2004	2 269 380 300	201.99	
2005	2 596 300 000	230.64	
2006	3 629 000 000	321.79	
2007	3 881 626 100	345.37	
2008	4 230 938 600	376.44	
2009	4 968 559 100	442.11	
2010	4 792 212 100	426.49	
2011	4 923 674 800	438.36	
2012	4 903 980 100	435.91	
2013	4 901 622 700	439.06	
2014	5 951 622 700	533.11	
2015	7 178 622 700	639.58	
2016	7 212 300 000	641.87	

Table 61. Health personnel. 1980-2016

Years	Total	Percent of women	Percentage of population at working age (%)
1980	157 933	69.3	3.2
1981	179 581	65.0	3.5
1982	195 595	67.2	3.7
1983	217 446	68.9	4.0
1984	233 437	69.8	4.2
1985	248 643	69.7	4.3
1986	263 713	70.6	4.5
1987	274 544	70.8	4.7
1988	280 220	70.9	4.6
1989	290 799	71.6	4.9
1990	298 708	72.4	4.9
1991	302 815	71.9	4.8
1992	310 726	72.0	4.8
1993	308 352	71.7	4.8
1994	312 639	72.3	4.8
1995	320 427	72.6	5.0
1996	328 543	73.2	4.9
1997	339 943	73.9	4.9
1998	345 878	72.4	4.8
1999	362 778	72.9	5.5
2000	359 653	72.4	5.5
2001	358 569	72.9	5.4
2002	375 052	72.2	5.6
2003	380 576	71.6	5.7
2004	402 903	71.3	6.2
2005	447 023	70.2	6.9
2006	488 767	69.4	7.5
2007	522 431	70.0	8.0
2008	566 365	69.1	8.6
2009	582 538	69.1	8.7
2010	535 305	69.5	7.0
2011	497 021	69.8	6.8
2012	490 245	70.0	6.8
2013	481 960	70.3	6.6
2014	500 294	69.7	6.8
2015	495 609	70.6	6.8
2016	493 368	70.8	6.7

Table 62. Health personnel by occupation and sex. 2016

Occupation	Workers		Females	
	Number	Per 10 000 population	Number	Percentage of the Total (%)
Total workers	493 368	439.1	349 433	70.8
Of them:				
Nursing staff:	89 072	79.3	78 203	87.8
Bachelor in nursery	64 722	57.6	57 194	88.4
Nurses	23 808	21.2	20 565	86.4
Basic	542	0.5	444	81.9
Media Technicians*	63 471	56.5	47 528	74.9
Clinical and microbiological laboratory	5 789	5.2	4 693	81.1
Blood bank	806	0.7	652	80.9
X Ray	2 420	2.2	1 257	51.9
Dentistry	4 727	4.2	4 300	91.0
Pharmacy	2 520	2.2	2 265	89.9
Epidemiology and hygiene	1 521	1.4	1 038	68.2
Ophthalmology	1 427	1.3	1 031	72.2
Social worker	1 270	1.1	1 124	88.5
Physiotherapy and rehabilitation	4 091	3.6	2 711	66.3
Health statistics	1 166	1.0	1 026	88.0
Orthopedic bandage	209	0.2	104	49.8
Orthopedic prosthesis and orthesis	83	0.1	42	50.6
Dietetic	859	0.8	740	86.1
Psychiatric ergo therapy	106	0.1	87	82.1
Psychological testing	375	0.3	350	93.3
Logopedic and phoniatric	393	0.3	345	87.8
Medical radio physic	130	0.1	63	48.5
Cytohistopathology	302	0.3	243	80.5
Podiatry	935	0.8	746	79.8
Other technicians	34 342	30.6	24 711	72.0
Basic technicians*	182	0.2	120	65.9

* Excludes nurses.

Table 63. Physicians and dentists. 1975, 1980, 1985, 1990-2016

Years	Physicians			Dentists		
	Number	Per 10 000 pop.	Pop. per physician	Number	Per 10 000 pop.	Pop. per dentist
1975	9 328	10.0	996	2 319	2.5	4 007
1980	15 247	15.6	641	3 646	3.7	2 682
1985	22 910	22.8	439	5 335	5.3	1 885
1990	38 690	36.5	274	6 959	6.6	1 524
1991	42 634	39.9	251	7 515	7.0	1 423
1992	46 860	43.3	231	8 057	7.4	1 343
1993	51 045	46.7	214	8 531	7.8	1 280
1994	54 065	49.3	203	8 834	8.1	1 241
1995	56 836	51.8	193	9 148	8.3	1 200
1996	60 129	54.6	183	9 600	8.7	1 146
1997	62 624	56.8	176	9 816	8.9	1 124
1998	63 483	57.1	175	9 873	8.9	1 126
1999	64 863	58.2	172	9 918	8.9	1 123
2000	65 997	59.0	170	9 917	8.9	1 128
2001	66 325	59.1	169	9 877	8.8	1 137
2002	67 079	59.6	168	9 955	8.8	1 130
2003	68 017	60.4	165	10 167	9.0	1 107
2004	69 713	62.0	161	10 452	9.3	1 075
2005	70 594	62.7	159	10 554	9.4	1 066
2006	71 489	63.4	158	10 751	9.5	1 049
2007	72 416	64.4	155	10 887	9.7	1 032
2008	74 552	66.3	151	11 234	10.0	1 000
2009	74 880	66.6	150	11 572	10.3	971
2010	76 506	68.1	147	12 144	10.8	925
2011	78 622	70.0	143	12 793	11.4	878
2012	82 065	72.9	137	13 998	12.4	804
2013	83 698	75.0	133	15 249	13.7	732
2014	85 563	76.6	130	16 630	14.9	671
2015	87 982	78.4	128	17 542	15.6	640
2016	90 161	80.2	125	16 852	15.0	667

Source: Registry of Health Professionals.

Table 64. Cuban health collaboration by regions and countries. 2016

AMERICAS REGION	
Antigua y Barbuda	Guyana
Argentina	Haití
Bahamas	Honduras
Belice	Jamaica
Bolivia	Nicaragua
Brazil	Bolivarian Republic of Venezuela
Curacao	Saint Kitts and Nevis
Dominique	Saint Vincent and the Grenadines
Ecuador	Saint Lucía
El Salvador	Suriname
Grenada	Trinidad y Tobago
Guatemala	Uruguay

AFRICAN REGION	
Angola	Equatorial Guinea
Botswana	Lesotho
Burkina Faso	Mozambique
Cape Verde	Namibia
Chad	Niger
Congo	RASD
Djibouti	Sao Tome and Principe
Eritrea	Seychelles
Ethiopia	Sierra Leone
Gabon	South Africa
Gambia	Swaziland
Ghana	Tanzania
Guinea Bissau	Uganda
Guinea Conakry	Zimbabwe

EASTERN MEDITERRANEAN REGION	
Algeria	Qatar

SOUTH EAST ASIA REGION	
Saudi Arabia	Kuwait
Bahrein	Timor Leste
China	Vanuatu Islands
Kiribati	

EUROPEAN REGION	
Portugal	Russian

Source: Central Unit of Collaboration. Information December 31, 2016.

Table 65. Countries participating in comprehensive health care programs by continent. 2016

LATIN AMERICA AND THE CARIBBEAN	
Belice	Guyana
Bolivia	Haití
Dominique	Honduras
El Salvador	Nicaragua
Guatemala	Saint Vincent and the Grenadines

AFRICA	
Burkina Fasso	Lesotho
Chad	Niger
Congo	RASD
Eritrea	Sao Tome and Principe
Etiopía	Swazilandia
Gambia	Tanzania
Guinea Bissau	Zimbabwe
Guinea Conakry	

ASIA	
Vanuatu Islands	Kiribati

Source: Central Unit of Collaboration. Information December 31, 2016.

Table 66. Health care facilities by type. 2016

Facilities	Number
Medical care	
Hospitals	
General	54
Clinical and surgical	29
Pediatric	22
Gynecological and obstetric	12
Maternal and infant care	4
Oncological	2
Orthopedic	2
Psychiatric	19
Cardiocenter	1
Antituberculosis	1
Leprosarium	1
Rehabilitation	2
Sida nursing home	1
Total	150
Research institutes	12
Other Subordinated National Units	7
Polyclinics	451
Dental clinics	111
Maternal home	131
Blood banks	29
Social service	
Elderly homes	148
Ambulatory elderly homes	276
Disabled homes	30

Table 67. Medical care and social service beds. 1985, 1990-2016

Years	Medical care		Social service*		Total	
	Beds	Beds per 1 000 pop.	Beds	Beds per 1 000 pop.	Beds	Beds per 1 000 pop.
1985	52 267	5.1	11 517	1.1	63 784	6.3
1990	63 205	6.0	13 848	1.3	77 053	7.3
1991	64 347	6.0	14 481	1.4	78 828	7.4
1992	65 190	6.0	14 336	1.3	79 526	7.4
1993	65 392	6.0	14 201	1.3	79 593	7.3
1994	65 703	6.0	14 554	1.3	80 257	7.3
1995	66 116	6.0	14 227	1.3	80 343	7.3
1996	66 263	6.0	14 265	1.3	80 528	7.3
1997	66 948	6.1	14 068	1.3	81 016	7.3
1998	66 261	6.0	13 499	1.2	79 760	7.2
1999	61 756	5.5	14 808	1.3	76 564	6.9
2000	58 713	5.2	14 444	1.3	73 157	6.5
2001	56 868	5.1	14 383	1.3	71 251	6.5
2002	55 864	5.0	14 560	1.3	70 424	6.3
2003	55 428	4.9	14 575	1.3	70 003	6.2
2004	55 351	4.9	14 728	1.3	70 079	6.2
2005	54 857	4.9	14 650	1.3	69 507	6.2
2006	54 771	4.9	14 621	1.3	69 392	6.2
2007	54 742	4.9	14 572	1.3	69 314	6.2
2008	52 331	4.7	14 937	1.3	67 268	6.0
2009	51 530	4.6	14 845	1.3	66 375	5.9
2010	51 487	4.6	14 833	1.3	66 320	5.9
2011	45 606	4.1	12 077	1.1	57 683	5.1
2012	45 649	4.1	11 734	1.0	57 383	5.1
2013	45 690	4.1	11 992	1.1	57 682	5.2
2014	45 462	4.1	13 533	1.2	58 995	5.3
2015	45 892	4.1	14 168	1.0	60 060	5.4
2016	46 794	4.2	14 247	1.0	61 041	5.4

* Includes beds in private facilities.

Source: Records Health Units. Economic. Minsap

SERVICES

Table 68. Medical and dental visits. 1990-2016

Years	Medical			Dental	Total
	Outpatient	Emergency room	Sub-total		
Visits					
1990	48 079 149	20 122 071	68 201 220	15 002 994	83 204 214
1991	49 793 456	19 330 448	69 123 904	14 402 822	83 526 726
1992	50 191 483	18 204 021	68 395 504	13 850 200	82 245 704
1993	47 449 735	17 311 779	64 761 514	12 742 794	77 504 308
1994	50 040 460	17 375 340	67 415 800	14 325 367	81 741 167
1995	56 915 855	18 213 646	75 129 501	16 156 145	91 285 646
1996	57 563 213	19 936 037	77 499 250	17 456 297	94 955 547
1997	57 786 423	21 087 302	78 873 725	19 586 677	98 460 402
1998	57 883 278	20 496 493	78 379 771	22 440 022	100 819 793
1999	60 866 546	20 388 191	81 254 737	23 932 264	105 187 001
2000	60 708 748	19 835 106	80 543 854	26 521 402	107 065 256
2001	58 156 325	19 777 458	77 933 783	27 424 861	105 358 644
2002	56 806 268	19 383 984	76 190 252	28 156 480	104 346 732
2003	52 628 212	18 846 698	71 474 910	28 346 698	99 821 608
2004	42 997 033	18 893 382	61 890 415	20 782 720	82 673 135
2005	39 206 257	20 792 319	59 998 576	17 943 732	77 942 308
2006	39 172 468	22 247 804	61 420 272	17 622 879	79 043 151
2007	39 136 877	21 917 204	61 054 081	17 008 926	78 063 007
2008	44 713 570	21 205 165	65 918 735	16 733 435	82 652 170
2009	54 568 377	22 135 099	76 703 476	17 789 222	94 492 698
2010	57 172 305	21 788 808	78 961 113	18 649 854	97 610 967
2011	59 779 883	21 270 036	81 049 919	19 763 097	100 813 016
2012	59 924 517	21 283 071	81 207 588	21 907 216	103 114 804
2013	60 249 514	20 918 843	81 168 357	23 748 667	104 917 024
2014	61 475 893	21 111 459	82 587 352	26 138 118	108 725 470
2015	68 744 699	20 412 903	89 157 602	28 612 121	117 769 723
2016	71 594 464	18 286 319	89 880 783	29 213 718	119 094 501
Visits per inhabitant					
1990	4.5	1.9	6.4	1.4	7.8
1991	4.7	1.8	6.5	1.4	7.8
1992	4.6	1.7	6.3	1.3	7.6
1993	4.3	1.6	5.9	1.2	7.1
1994	4.6	1.6	6.2	1.3	7.5
1995	5.2	1.7	6.8	1.5	8.3
1996	5.2	1.8	7.0	1.6	8.6
1997	5.2	1.9	7.1	1.8	8.9
1998	5.2	1.8	7.0	2.0	9.1
1999	5.5	1.8	7.3	2.2	9.4
2000	5.4	1.8	7.2	2.4	9.6
2001	5.2	1.8	6.9	2.4	9.4
2002	5.0	1.7	6.8	2.5	9.3
2003	4.7	1.7	6.4	2.5	8.9
2004	3.8	1.7	5.5	1.8	7.4
2005	3.5	1.8	5.3	1.6	6.9
2006	3.5	2.0	5.4	1.6	7.0
2007	3.5	2.0	5.4	1.5	6.9
2008	4.0	1.9	5.9	1.5	7.4
2009	4.9	2.0	6.8	1.6	8.4
2010	5.1	1.9	7.0	1.7	8.7
2011	5.3	1.9	7.2	1.8	9.0
2012	5.3	1.9	7.2	1.9	9.2
2013	5.4	1.9	7.3	2.1	9.4
2014	5.5	1.9	7.4	2.3	9.7
2015	6.1	1.8	7.9	2.5	10.4
2016	6.4	1.6	8.0	2.6	10.6

Table 69. Pediatric visits by age. 1990-2016

Years	Under 1 year of age		1-4 years of age	
	Visits	Visits per inhabitant	Visits	Visits per inhabitant
1990	3 867 952	20.8	3 675 898	5.3
1991	3 788 331	20.3	3 626 498	5.1
1992	3 487 973	22.0	3 543 988	4.8
1993	3 189 152	18.2	3 048 761	4.2
1994	3 592 657	20.7	2 963 340	4.1
1995	5 122 940	29.9	3 193 886	4.5
1996	5 244 174	35.0	3 083 029	4.8
1997	5 359 552	36.8	2 913 643	4.7
1998	5 656 812	40.3	2 898 666	4.8
1999	5 893 803	41.9	3 054 075	5.0
2000	5 986 832	42.4	3 111 394	5.1
2001	4 980 207	33.1	3 148 460	5.3
2002	4 377 492	29.9	2 916 965	4.9
2003	3 960 922	28.7	2 598 656	4.4
2004	3 089 974	22.5	1 999 450	3.5
2005	2 557 741	19.7	1 739 826	3.1
2006	2 327 355	18.4	1 656 124	3.0
2007	2 283 526	19.5	1 514 728	3.0
2008	2 724 241	23.5	1 634 331	3.3
2009	3 968 559	35.5	2 288 154	4.7
2010	4 353 080	35.7	2 363 567	5.1
2011	3 935 935	34.0	2 405 531	5.2
2012	4 091 715	32.2	2 419 906	5.1
2013	3 934 903	30.0	2 377 821	4.9
2014	3 910 380	29.8	2 347 420	4.9
2015	4 660 347	37.1	2 576 985	5.1
2016	4 565 179	37.4	2 536 349	5.0

Includes healthy baby visits.

Table 69. Pediatric visits by age groups. 1990-2016. (Continued)

Years	5-14 years of age		Total	
	Visits	Visits per inhabitant	Visits	Visits per inhabitant
1990	3 351 741	2.2	10 895 591	4.5
1991	3 497 005	2.3	10 911 834	4.5
1992	3 462 600	2.3	10 494 561	4.4
1993	3 256 941	2.1	9 494 854	3.8
1994	3 395 293	2.1	9 951 290	4.0
1995	4 051 016	2.5	12 367 842	4.9
1996	3 975 054	2.4	12 302 257	5.1
1997	3 830 775	2.3	12 103 970	5.0
1998	3 602 687	2.1	12 158 165	4.9
1999	3 781 005	2.2	12 728 883	5.2
2000	3 723 004	2.2	12 821 230	5.2
2001	3 864 749	2.3	11 993 416	4.9
2002	3 474 391	2.2	10 768 848	4.4
2003	3 329 355	2.1	9 888 933	4.2
2004	2 338 928	1.5	7 428 352	3.3
2005	2 048 165	1.4	6 345 732	2.9
2006	2 094 323	1.4	6 077 802	2.8
2007	1 859 276	1.3	5 657 530	2.7
2008	2 140 418	1.5	6 498 990	3.2
2009	3 353 337	2.4	9 610 050	4.8
2010	3 386 276	2.4	10 102 923	5.1
2011	3 321 272	2.5	9 662 738	5.0
2012	3 370 093	2.5	9 881 714	5.1
2013	3 214 718	2.5	9 527 442	5.0
2014	3 350 129	2.6	9 607 929	5.0
2015	3 683 547	2.9	10 920 879	5.7
2016	3 841 634	3.1	10 943 162	5.8

Includes healthy baby visits.

Table 70. Healthy baby visits by age. 1990-2016

Years	Under 1 year of age		1-14 years of age		Total	
	Visits	Visits per inhab.	Visits	Visits per inhab.	Visits	Visits per inhab.
1990	2 052 093	11.0	1 085 964	0.5	3 138 057	1.3
1991	2 105 106	11.3	1 143 273	0.5	3 248 379	1.4
1992	2 123 305	13.4	1 260 780	0.6	3 384 085	1.4
1993	2 036 590	11.6	1 210 607	0.5	3 247 197	1.3
1994	2 319 105	13.4	1 265 315	0.5	3 584 420	1.4
1995	3 302 269	21.4	1 363 503	0.6	4 665 772	1.9
1996	3 516 702	23.5	1 396 108	0.6	4 912 810	2.0
1997	3 699 635	25.4	1 459 865	0.6	5 159 500	2.1
1998	3 901 594	27.8	1 505 346	0.6	5 406 940	2.2
1999	4 092 113	29.1	1 593 578	0.7	5 685 691	2.3
2000	4 157 346	29.4	1 711 930	0.7	5 869 276	2.4
2001	3 507 344	23.3	2 056 460	0.9	5 563 804	2.3
2002	3 074 814	20.4	1 665 748	0.7	4 740 562	1.9
2003	2 831 683	20.5	1 525 262	0.7	4 356 945	1.7
2004	2 196 593	16.0	939 377	0.4	3 135 970	1.4
2005	1 785 749	13.7	700 644	0.3	2 486 393	1.1
2006	1 596 464	12.6	590 269	0.3	2 186 733	1.0
2007	1 583 712	13.5	589 948	0.3	2 173 660	1.1
2008	1 956 700	16.9	742 089	0.4	2 698 789	1.3
2009	2 784 512	24.9	1 423 359	0.7	4 207 871	2.1
2010	3 082 158	25.3	1 633 628	0.9	4 715 786	2.4
2011	1 969 167	17.0	1 101 924	0.6	3 071 091	1.6
2012	1 849 077	14.5	1 200 283	0.7	3 049 360	1.6
2013	1 708 544	13.0	1 178 102	0.7	2 886 646	1.5
2014	1 725 798	13.1	1 287 022	0.7	3 012 820	1.6
2015	1 826 946	14.6	1 378 360	0.8	3 205 306	1.7
2016	1 808 866	14.8	1 417 235	0.8	3 226 101	1.7

Table 71. Selected surgical indicators. 1990-2016

Years	Total surgeries	Major surgeries	Percentage (%)	Minor surgeries	Percentage (%)
1990	777 737	409 547	52.7	368 190	47.3
1991	674 028	366 369	54.4	307 659	45.6
1992	627 064	331 558	52.9	295 506	47.1
1993	509 198	265 846	52.2	243 352	47.8
1994	542 186	286 512	52.8	255 674	47.2
1995	551 182	293 328	53.2	257 854	46.8
1996	811 895	387 358	47.7	424 537	52.3
1997	870 784	393 569	45.2	477 215	54.8
1998	894 505	396 652	44.3	497 853	55.7
1999	927 406	430 826	46.5	496 580	53.5
2000	953 372	441 964	45.4	511 408	53.6
2001	943 122	441 464	46.8	501 658	53.2
2002	974 998	466 990	47.9	508 008	52.1
2003	960 268	465 612	48.5	494 656	51.5
2004	929 863	470 295	50.6	459 568	49.4
2005	936 212	492 972	52.7	443 240	47.3
2006	878 169	476 831	54.3	401 338	45.7
2007	909 295	503 492	55.4	405 803	44.6
2008	896 154	487 897	54.4	408 257	45.6
2009	913 935	486 859	53.3	427 076	46.7
2010	948 694	514 818	54.3	433 876	45.7
2011	1 048 984	567 539	54.1	481 445	45.9
2012	1 044 787	535 258	51.2	509 529	48.8
2013	1 032 930	539 528	52.2	493 402	47.8
2014	1 025 120	536 975	52.4	488 145	47.6
2015	1 043 446	535 518	51.3	507 928	48.7
2016	1 063 184	542 987	51.1	520 197	48.9

Table 72. Hospital admissions. 1970, 1975, 1980-2016

Years	Number of admissions	Admissions per 100 population
1970	1 073 439	12.6
1975	1 249 798	13.4
1980	1 263 593	13.0
1981	1 358 547	13.9
1982	1 404 687	14.3
1983	1 443 801	14.6
1984	1 500 139	15.1
1985	1 608 551	16.0
1986	1 611 401	15.8
1987	1 598 693	15.5
1988	1 610 592	15.5
1989	1 625 399	15.5
1990	1 607 365	15.2
1991	1 513 547	14.2
1992	1 463 179	13.5
1993	1 388 840	12.7
1994	1 409 960	12.9
1995	1 434 458	13.1
1996	1 419 895	12.9
1997	1 441 896	13.1
1998	1 392 826	12.5
1999	1 369 986	12.3
2000	1 332 235	11.9
2001	1 291 877	11.5
2002	1 246 626	11.1
2003	1 220 163	10.8
2004	1 145 690	10.2
2005	1 133 275	10.1
2006	1 144 655	10.1
2007	1 104 263	9.8
2008	1 097 144	9.8
2009	1 137 960	10.1
2010	1 134 889	10.1
2011	1 171 763	10.4
2012	1 249 375	11.1
2013	1 242 465	11.1
2014	1 310 103	11.7
2015	1 338 031	11.9
2016	1 282 517	11.4

Table 73. Hospital bed occupancy rates by selected medical specialties. 2015-2016

Specialty	2015	2016	2015	2016
	Average length of stay		Occupancy rate	
Medicine except psychiatry	7.0	7.5	77.4	75.1
Psychiatry	54.2	62.5	84.9	84.7
Surgery except pediatric surgery	7.0	6.9	72.5	71.2
Pediatric surgery	4.4	4.2	61.4	63.6
Obstetrics	6.7	6.9	80.8	80.4
Gynecology except abortions	2.8	2.9	72.3	73.2
Pediatric	4.1	4.1	69.4	71.2
Neonatology	6.9	7.2	63.2	60.3
Total	7.7	7.9	75.8	74.9

Specialty	Rotation rate	Substitution interval	
Medicine except psychiatry	40.5	36.6	2.0
Psychiatry	5.2	5.2	10.7
Surgery except pediatric surgery	37.6	37.9	2.7
Pediatric surgery	51.4	55.1	2.7
Obstetrics	43.9	42.4	1.6
Gynecology except abortions	95.9	92.4	1.1
Pediatric	62.4	62.9	1.8
Neonatology	33.3	30.7	4.0
Total	35.9	34.5	2.5

Specialty	Admissions per 100 population		Patient-days per 100 population	
Medicine except psychiatry	(1)	4.5	4.1	31.5
Psychiatry	(2)	0.2	0.2	14.1
Surgery except pediatric surgery	(1)	2.4	2.5	17.2
Pediatric surgery	(3)	1.4	1.4	6.0
Obstetrics	(4)	9.5	9.5	64.1
Gynecology except abortions	(5)	1.5	1.4	4.2
Pediatric	(3)	12.0	11.9	48.8
Neonatology	(6)	25.6	25.3	177.5
Total	(2)	11.9	11.4	92.4
				90.6

Rates calculated with real beds (includes 8 beds and over) on the basis of:

- (1) Population aged 19 years and over.
- (2) Total population.
- (3) Population under 19 years of age.
- (4) Female population of 15–49 years of age.
- (5) Female population 15 years of age and over.
- (6) Live births.

Table 74. Bed occupancy rates by type of hospital. 2015-2016

Type of hospital	2015	2016	2015	2016
Type of hospital	Average length of stay		Occupancy rate	
General	6.4	6.8	75.6	74.8
Clinical and surgical	7.7	7.9	77.5	75.4
Gynecological and obstetric	5.9	6.4	77.5	77.3
Mother and child	5.3	5.7	63.7	78.6
Pediatric	4.7	4.8	73.0	74.5
Type of hospital	Rotation rate		Substitution interval	
General	43.0	40.4	2.1	2.3
Clinical and surgical	36.8	35.0	2.2	2.6
Gynecological and obstetric	48.0	44.1	1.7	1.9
Mother and child	44.2	50.3	3.0	1.6
Pediatric	56.6	57.0	1.7	1.6
Type of hospital	Admissions per 100 population		Patient-days per 100 population	
General	(1)	4.5	4.5	28.7
Clinical and surgical	(1)	2.9	2.4	22.2
Gynecological and obstetric	(2)	2.4	2.2	14.1
Mother and child	(3)	0.5	0.3	2.5
Pediatric	(4)	9.3	9.2	43.7

Rates calculated with real beds on the basis of:

(1) Total population

(2) Female population of 15 years and over.

(3) Female population of 15 – 49 years of age and live births

(4) Population under 19 years of age.

Table 75. Maternal home admissions. 1975, 1980-2016

Years	Admissions	Admissions per 100 live births
1975	24 629	12.8
1980	26 140	19.1
1981	28 312	20.8
1982	29 743	18.6
1983	31 272	18.9
1984	31 679	19.1
1985	36 871	20.3
1986	38 888	23.4
1987	43 125	24.0
1988	43 572	23.2
1989	45 462	24.6
1990	44 840	24.0
1991	45 345	26.1
1992	43 826	27.9
1993	44 523	29.2
1994	47 153	32.0
1995	48 765	33.1
1996	48 938	34.9
1997	51 318	33.6
1998	52 284	34.6
1999	55 348	36.7
2000	57 838	40.3
2001	59 267	41.3
2002	60 054	42.5
2003	56 910	41.6
2004	55 414	43.5
2005	54 054	44.8
2006	53 430	48.0
2007	55 107	49.0
2008	61 240	50.0
2009	65 664	50.5
2010	67 496	52.8
2011	58 387	43.9
2012	58 103	46.2
2013	56 340	44.8
2014	58 832	48.0
2015	64 229	51.4
2016	65 670	56.2

Table 76. Residents in elderly home by sex. 2001-2016

Years	Male	Female	Total
Full-time residents			
2001	5 649	2 618	8 267
2002	5 753	2 595	8 348
2003	5 733	2 513	8 246
2004	5 451	2 513	7 964
2005	5 347	2 445	7 792
2006	5 460	2 343	7 803
2007	5 561	2 265	7 826
2008	5 359	2 292	7 651
2009	5 392	2 164	7 556
2010	5 397	1 993	7 390
2011	5 573	1 885	7 458
2012	5 027	2 446	7 473
2013	5 369	2 123	7 492
2014	5 971	2 896	8 867
2015	5 454	3 569	9 023
2016	6 267	3 089	9 356
Residents in day programs			
2001	3 276	2 176	5 452
2002	3 779	2 418	6 197
2003	4 032	2 581	6 613
2004	4 032	2 548	6 580
2005	3 903	2 770	6 673
2006	4 279	2 827	7 106
2007	4 376	2 681	7 057
2008	1 162	571	1 733
2009	1 108	491	1 599
2010	1 032	412	1 444
2011	861	538	1 399
2012	875	474	1 349
2013	908	501	1 409
2014	702	774	1 476
2015	788	807	1 595
2016	970	764	1 734
Total			
2001	8 925	4 794	13 719
2002	9 532	5 013	14 545
2003	9 765	5 094	14 859
2004	9 483	5 061	14 544
2005	9 250	5 215	14 465
2006	9 739	5 170	14 909
2007	9 937	4 946	14 883
2008	6 521	2 863	9 384
2009	6 500	2 655	9 155
2010	6 429	2 405	8 834
2011	6 434	2 423	8 857
2012	5 902	2 920	8 822
2013	6 277	2 624	8 901
2014	6 673	3 670	10 343
2015	6 242	4 376	10 618
2016	7 237	3 853	11 090

Excludes grandparents since 2008

Table 77. Blood donations. 1985-2016

Years	Total of donors	Suitable donations		
		Number	Per 100 population	Per 100 admission
1985	548 259	498 746	5.0	31.0
1986	564 830	518 440	5.1	32.2
1987	603 101	553 972	5.4	34.7
1988	654 364	605 057	5.8	37.6
1989	658 599	615 292	5.9	37.8
1990	730 793	690 450	6.5	43.0
1991	691 396	652 914	6.1	43.1
1992	668 964	637 399	5.9	43.6
1993	596 247	570 689	5.2	40.6
1994	658 490	624 919	5.7	44.3
1995	586 205	563 895	5.1	39.3
1996	646 068	619 863	5.6	43.7
1997	647 599	622 742	5.6	42.9
1998	635 190	607 325	5.5	43.6
1999	646 332	615 666	5.5	44.9
2000	621 592	590 997	5.3	44.4
2001	585 867	554 633	4.9	42.9
2002	608 923	574 122	5.1	46.0
2003	626 912	590 877	5.3	51.3
2004	537 928	503 120	4.5	44.1
2005	524 351	495 343	4.4	43.7
2006	506 191	475 959	4.2	41.6
2007	421 626	400 292	3.6	36.2
2008	411 984	393 937	3.5	35.9
2009	421 302	403 060	3.6	35.4
2010	420 372	402 422	3.6	35.5
2011	412 408	393 325	3.5	33.6
2012	428 304	406 846	3.6	32.6
2013	446 110	428 729	3.8	34.5
2014	407 989	392 244	3.5	29.9
2015	392 962	379 236	3.4	28.3
2016	389 503	378 719	3.4	29.5

HEALTH PERSONNEL TRAINING

Table 78. Health professional graduates by specialty. 1959, 1960, 1965, 1970-2016

Years	Medicine	Dentistry	Nursing	Health technology	Psycho-logy	Total
1959	728*	61	-	-	-	789
1960	-	56	-	-	-	56
1965	395	115	-	-	-	510
1970	700	101	-	-	-	801
1971	432	173	-	-	-	605
1972	853	333	-	-	-	1 186
1973	951	260	-	-	-	1 211
1974	1 269	300	-	-	-	1 569
1975	1 361	294	-	-	-	1 655
1976	1 477	142	-	-	-	1 619
1977	1 105	241	-	-	-	1 346
1978	579	250	-	-	-	829
1979	683	193	-	-	-	876
1980	764	218	10	-	-	992
1981	1 012	441	32	-	-	1 485
1982	1 087	3**	48	-	-	1 138
1983	2 114	433	45	-	-	2 592
1984	1 945	571	41	-	-	2 557
1985	2 551	545	163	-	-	3 259
1986	3 041	478	159	-	-	3 678
1987	2 841	290	513	-	-	3 644
1988	3 401	323	604	-	-	4 328
1989	3 734	376	850	-	-	4 960
1990	4 223	555	1 273	-	-	6 051
1991	4 241	649	1 593	-	-	6 483
1992	4 583	616	36	-	-	5 235
1993	4 780	595	1 414	-	-	6 789
1994	4 627	556	1 344	45	-	6 572
1995	4 019	491	2 421	94	-	7 025
1996	3 534	455	2 331	88	-	6 408
1997	3 255	324	2 667	67	-	6 313
1998	2 271	282	2 359	40	-	4 952
1999	2 308	199	2 097	16	-	4 620
2000	1 840	141	1 957	15	-	3 953
2001	1 765	232	1 706	2	-	3 705
2002	1 836	238	1 777	36	-	3 887
2003	1 933	300	1 586	38	-	3 857
2004	1 960	290	1 268	22	-	3 540
2005	3 708	372	1 689	38	-	5 807
2006	3 881	405	4 163	91	-	8 540
2007	4 180	464	3 506	653	-	8 803
2008	4 399	555	10 074	9 413	-	24 441
2009	4 488	680	2 663	14 889	121	22 841
2010	4 149	784	7 315	14 069	283	26 600
2011	5 463	1 132	6 916	11 663	417	25 591
2012	10 539***	1 654	5 756	10 305	491	28 745
2013	9 612	2 039	4 960	7 576	635	24 822
2014	8 509	1 865	3 961	7 550	785	22 670
2015	8 873	1 215	2 625	3 102	267	16 082
2016	6 388	1 133	782	703	9	9 015
Total	158 171	24 863	82 704	80 515	3 008	349 261

* Includes two graduating classes.

** Course duration extended 4 to 5 years.

*** Includes the first graduation of the new program for the training of Latin-American doctors.



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