

versión electrónica ISSN: 2305-543X



REPUBLIC OF CUBA

2018

ANNUAL HEALTH STATISTICS REPORT

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



Havana, 2019



Oficina Regional de la
Organización Mundial de la Salud



2018 ANNUAL HEALTH STATISTICS REPORT



Havana, 2019

MINISTRY OF PUBLIC HEALTH
MEDICAL RECORDS AND
HEALTH STATISTICS BUREAU



Editorial Committee

General director:

Sonia Bess Constantén, DMD

Technical direction:

Ismell Alonso Alomá, MD

Elvira Sánchez Sordo, MD

Libia Margarita López Nistal, MD, MSc

Processing and information review:

Ismell Alonso Alomá, MD

Elvira Sánchez Sordo, MD

Libia Margarita López Nistal, MD, MSc

Edilia Paredes Esponda, BA

Miguel Ángel Martínez Morales, MD, MSc

Ishis Alonso Expósito, MD

Sonia Bess Constantén, MD

María Elena Pérez Leyva, BA, MSc

María del Rosario Ruiz Beruvides, BA

Inalvis Deville Senén, BA

Tech. Katia Castanedo Valdés

Maite Martínez Machín, BA

Tech. Paula Tosca Morejón

Jorge Roberto Gómez Valle, BA

Tech. Vanessa Mazorra Ramos

Xiomara Podadera Valdés, BA

Lidisy Valle Serranos, BA

Tech. Maricela Martínez Morales

Miriam Alicia Gran Álvarez, PhD, MD, MSc

Madelin López Iglesias, BA

Mailin Figueiras Menes, BA

Odette Pedroso Morejón, BA

Mariela Reyes Gutiérrez, BA

Antonio Rafael Pavón Escalona, BA

Maite Arango Donderis, BA

Ana María Felipe Ramos, BA

Nancy Pérez Rodríguez, BA

Rebeca Cabrera Aedo, BA

Enrique González Galbán, BA, MSc

María del Carmen Franco Suárez, BA

Odalys Montesino García, BA

Ana María Lemes Valdés, BA

Teresa Romero Pérez, MD, MSc

Yaima Galán Álvarez, BA, MSc

Tech. Martha Lezcano Cicili

Tech. Yinet Iglesias Ventura

Lena López Ambrón, BA

Eduardo Zacca Peña, PhD, MSc

Ana Margarita Clúa Calderín, MSc

Patricia Alonso Galbán, MD, MSc

Liana de la Fuente Valdés, BA

Gloria Hechavarría Puentes, DMD

Ariel García Sánchez, BA

Ana Margarita Muñiz, MD, MSc

María Elena Soto Entenza, MD

Marcos del Risco del Río, MD

Ileana Regla Alfonso Sánchez, PhD, MSc

Dr. MSc. Joaquín González Reynaldo

Web edition:

Xiomara Podadera Valdés, BA

PRESENTATION

The Medical Records and Health Statistics Bureau of The Ministry of Public Health of Cuba introduces to you the 47rd publication of the *Annual Health Statistics Report* with updated information until 2018.

Indicators are organized in 77 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, DMD
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*

*Medical Records and Health Statistics Bureau
Calle 23 # 201 entre M y N Vedado
Plaza de La Revolución. La Habana. Cuba
Teléfonos: 53-7 838 3404/7 838 3398/7 838 3795
Internet: <http://www.sld.cu/sitios/dne/>
<http://bvscuba.sld.cu/anuario-estadistico-de-cuba/>*

TABLE OF CONTENTS

Presentation	5
---------------------------	---

DEMOGRAPHIC

Table 1	Mid-year population estimates by sex. 1960, 1965, 1970, 1975, 1980, 1985, 1990-2018.....	13
Table 2	Selected natality indicators. 1970, 1980-2018.....	14
Table 3	In hospital live births by month. 2011-2018.....	15
Table 4	Fertility rates by mother age. 1995, 2000, 2012-2018.....	15
Table 5	Demographic indicators. Years and periods selected	16

MORTALITY

Table 6	Deaths and death rates by age. 1990, 1995-2018.....	19
Table 7	Deaths and death rates by sex. 1970, 1975, 1980, 1985, 1990-2018.....	20
Table 8	Deaths and death rates by age and sex. 2018.....	21
Table 9	Leading causes of death for all ages. 2017-2018.....	22
Table 10	Leading causes of death by sex. 2018.....	23
Table 11	Years of potential life lost (YPLL) by leading causes of death and sex per 1 000 population aged. 1-74. 2017-2018.....	23
Table 12	Mortality by 35 leading causes of death. 2018.....	24
Table 13	Mortality by six broad cause groups by age. 2018.....	26
Table 14	Selected mortality indicators under-five years of age by sex. 1970, 1975, 1980, 1985, 1990, 1995-2018.....	27
Table 15	Leading causes of infant deaths. 2017-2018.....	28
Table 16	Leading causes of infant deaths by age. 2018.....	29
Table 17	Congenital malformations for infant deaths by age. 2018.....	30
Table 18	Leading causes of death for children 1-4 years of age. 2017-2018.....	31
Table 19	Leading causes of death for children 5-14 years of age. 2017-2018.....	32
Table 20	Leading causes of death for persons 10-19 years of age. 2017-2018.....	33
Table 21	Leading causes of death for persons 15-49 years of age. 2017-2018.....	34
Table 22	Leading causes of death for persons 50-64 years of age. 2017-2018.....	35
Table 23	Leading causes of death for persons 65 years and over. 2017-2018.....	36
Table 24	Leading causes of death for persons 60 years and over. 2017-2018.....	37
Table 25	Leading causes of death for persons 60-69 years of age. 2017-2018.....	38

Table 26	Leading causes of death for persons 30-69 years of age. 2017-2018.....	39
Table 27	Leading causes of death for persons 70-79 years of age. 2017-2018.....	40
Table 28	Leading causes of death for persons 80 years and over. 2017-2018.....	41
Table 29	Selected malignant neoplasms mortality. 2017-2018.....	42
Table 30	Selected malignant neoplasms mortality by sex. 2018.....	43
Table 31	Malignant neoplasms mortality by age. Male sex. 2018.....	44
Table 32	Malignant neoplasms mortality by age. Female sex. 2018.....	45
Table 33	Heart diseases mortality. 2017-2018.....	46
Table 34	Heart diseases mortality by age. Male sex. 2018.....	47
Table 35	Heart diseases mortality by age. Female sex. 2018.....	48
Table 36	Cerebrovascular diseases mortality by age. Male sex. 2018.....	49
Table 37	Cerebrovascular diseases mortality by age. Female sex. 2018.....	49
Table 38	Unintentional injuries mortality. Selected causes. 2017-2018.....	50
Table 39	Unintentional injuries mortality. Selected causes by age. Male sex. 2018.....	51
Table 40	Unintentional injuries mortality. Selected causes by age. Female sex. 2018.....	52
Table 41	Infectious and parasitic diseases mortality. (A00-B99). 1970, 1975, 1980, 1985-2018	53
Table 42	Intestinal infectious diseases mortality. (A00-A09). 1980, 1985-2018.....	54
Table 43	Maternal mortality by causes. 2016-2018.....	55
Table 44	Mortality related to pregnancy, childbirth and the puerperium by causes. 2016-2018.....	56
Table 45	Mortality from selected notifiable diseases. 1970, 1980, 2000, 2017-2018.....	57

MORBIDITY

Table 46	Incidence of selected notifiable diseases by sex. 2000, 2017-2018.....	61
Table 47	Incidence of selected notifiable diseases by age. 2018.....	62
Table 48	Meningococcal infection incidence and mortality. 1980, 1985, 1990-2018.....	63
Table 49	Incidence of tuberculosis by age and location. 1990, 2000, 2017-2018.....	64
Table 50	Incidence of leprosy by age and clinical type .1990, 2000, 2017-2018.....	65
Table 51	Consultations for acute diarrhoea diseases and respiratory infection by age. 2018.....	66
Table 52	Women screened for early detection of cervix cancer. 1970 - 2018.....	67
Table 53	Women screened for early detection of cervix cancer by age. 2017-2018.....	67
Table 54	Number of cases of cervix cancer by clinical stage. 1990, 1995, 2000-2018.....	68
Table 55	Incidence of cancer by sex and leading locations. 2015.....	69
Table 56	Incidence of cancer in population under 20 years of age by diagnostics group and age. 2015.....	70

Table 57	Incidence of cancer in male population age 20 years and over by leading locations and age. 2015...	72
Table 58	Incidence of cancer in female population aged 20 years and over by leading locations and age. 2015.....	73
Table 59	Total doses administered by beginning date and type of vaccine. 1962-2018.....	74
Table 60	Low birth-weight. 1985, 1990-2018.....	74

HEALTH PERSONNEL AND RESOURCES

Table 61	Health personnel. 1980-2018.....	77
Table 62	Health personnel by occupation and sex. 2018.....	78
Table 63	Physicians and dentists. 1975, 1980, 1985, 1990-2018.....	79
Table 64	Cuban health collaboration by regions and countries. 2018.....	80
Table 65	Countries participating in comprehensive health care programs by continent. 2018	81
Table 66	Health care facilities by type. 2018.....	82
Table 67	Medical care and social service beds. 1985, 1990-2018.....	83

SERVICES

Table 68	Medical and dental visits. 1990, 1995-2018.....	87
Table 69	Pediatric visits by age. 1990-2018.....	88
Table 70	Healthy baby visits by age. 1990-2018.....	90
Table 71	Selected surgical indicators. 1990-2018.....	91
Table 72	Hospital admissions. 1970, 1975, 1980-2018.....	92
Table 73	Hospital bed occupancy rates by selected medical specialties. 2017-2018.....	93
Table 74	Bed occupancy rates by type of hospital. 2017-2018.....	94
Table 75	Maternal home admissions. 1975, 1980-2018.....	95
Table 76	Residents in elderly homes by sex. 2000, 2005-2018.....	96

HEALTH PERSONNEL TRAINING

Table 77	Health professional graduates by specialty. 1959, 1960, 1965, 1970, 1975-2018.....	99
----------	--	----

DEMOGRAPHIC DATA

Table 1. Mid-year population estimates by sex. 1960, 1965, 1970, 1975, 1980, 1985, 1990-2018

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
2017	11 230 142	5 591 525	5 638 617
2018	11 215 344	5 580 437	5 634 908

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

Table 2. Selected natality indicators. 1970, 1980-2018

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	130 036	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
2017	114 971	10.2	114 836	99.9
2018	116 333	10.4	116 182	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. 2011-2018

Month	2011	2012	2013	2014	2015	2016	2017	2018
January	11 424	10 869	10 864	10 591	10 577	9 824	9 768	10 209
February	9 124	10 033	9 126	9 186	9 182	8 544	8 575	8 545
March	8 904	9 594	8 576	9 105	9 261	9 132	8 446	8 454
April	8 480	8 170	8 479	8 761	8 523	8 145	7 762	7 930
May	8 823	8 311	8 525	8 881	8 460	8 296	8 129	8 037
June	9 033	8 456	8 574	8 767	8 740	8 206	8 005	8 065
July	10 766	10 057	10 032	9 647	9 962	9 217	9 026	9 181
August	12 848	11 597	12 459	10 682	11 419	10 472	11 145	11 118
September	14 429	12 505	12 781	11 865	12 423	11 067	11 035	11 280
October	13 855	12 802	12 726	11 999	12 636	11 334	11 308	11 589
November	12 530	11 650	11 741	11 355	12 059	11 463	10 801	11 023
December	12 746	11 520	11 870	11 666	11 669	11 025	10 836	10 751
Total	132 962	125 564	125 753	122 505	124 911	116 725	114 836	116 182

Table 4. Fertility rates by mother age. 1995, 2000, 2012-2018

Age of mother	1995	2000	2012	2013	2014	2015	2016	2017	2018
15-19	60.2	49.6	53.6	54.2	51.8	52.5	50.0	52.0	54.6
20-24	91.4	96.5	105.1	104.0	100.6	104.0	98.6	95.8	96.8
25-29	78.8	89.2	94.2	95.2	93.3	95.9	89.6	87.2	88.0
30-34	46.8	55.0	56.4	60.0	60.1	61.3	55.7	56.6	58.0
35-39	17.1	22.4	23.2	24.1	24.5	25.2	25.8	25.2	26.7
40-44	2.5	3.8	5.1	5.0	4.9	5.0	5.0	5.0	4.8
45-49	0.5	0.2	0.3	0.2	0.3	0.4	0.3	0.3	0.3
Total	48.0	47.4	43.2	44.1	43.6	45.1	43.2	43.0	44.3

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	Years				
	1970	1990	2000	2017	2018
Population density (inhabitants/km ²)	77.3	96.5	101.2	102.1	102.0
Global fertility rate (children per woman)	3.70	1.83	1.58	1.61	1.65
Gross reproduction rate (daughters per woman)	1.80	0.89	0.76	0.77	0.79
Percent of population of 60 years and over	9.0	11.9	12.9	20.1	20.4
Masculinity ratio (males per thousand females)	1 052	1 013	1 003	991	990
Urban population percentage	60.5	73.9	75.3	77.0	77.0
	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 7. Deaths and death rates by sex. 1970, 1975, 1980, 1985, 1990-2018

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	99 388	8.8	4.6	54 284	9.7	5.6	45 104	8.0	3.8
2017	106 949	9.5	4.7	58 283	10.4	5.6	48 666	8.6	3.9
2018	106 199	9.4	4.6	57 906	10.3	5.5	48 293	8.5	3.7

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. 2018

Age group	Total		Male		Female	
	Deaths	Rate per 1 000 population	Deaths	Rate per 1 000 population	Deaths	Rate per 1 000 population
<1 *	461	4.0	264	4.4	197	3.5
1-4	150	0.3	76	0.3	74	0.3
5-9	123	0.2	74	0.2	49	0.2
10-14	116	0.2	78	0.3	38	0.1
15-19	262	0.4	180	0.5	82	0.2
20-24	385	0.6	266	0.7	119	0.4
25-29	507	0.6	346	0.8	161	0.4
30-34	629	0.8	412	1.1	217	0.6
35-39	827	1.3	537	1.7	290	1.0
40-44	1 432	1.8	932	2.4	500	1.3
45-49	2 764	2.8	1 774	3.6	990	2.0
50-54	4 723	4.7	2 976	6.0	1 747	3.4
55-59	6 321	8.1	3 932	10.3	2 389	5.9
60-64	7 596	12.9	4 578	16.2	3 018	9.8
65-69	10 114	18.9	5 969	23.3	4 145	14.9
70-74	12 735	29.0	7 293	35.5	5 442	23.3
75-79	14 751	44.9	8 174	53.5	6 577	37.4
80-84	14 491	70.5	7 494	81.3	6 997	61.7
85 and over	27 758	147.4	12 507	158.0	15 251	139.6
Total **	106 199	9.4	57 906	10.3	48 293	8.5

* Rate per 1 000 live births.

** Including unknown age death (54)

Table 9. Leading causes of death for all ages. 2017-2018

Causes	2017	2018
Number of deaths		
Heart diseases (I05-I52)	27 207	25 684
Malignant neoplasms (C00-C97)	25 232	24 902
Cerebrovascular diseases (I60-I69)	9 943	9 891
Influenza and pneumonia (J09-J18)	7 951	8 248
Unintentional injuries (V01-X59, Y85-Y86)	5 639	5 802
Chronic lower respiratory diseases (J40-J47)	4 457	4 079
Diseases of arteries, arterioles and capillaries(I70-I79)	2 949	3 041
Diabetes mellitus (E10-E14)	2 440	2 378
Chronic liver diseases and cirrhosis (K70, K73, K74, K760-K761)	1 735	1 766
Intentional self-harm (X60-X84, Y870)	1 569	1 493
Crude rate per 100 000 population		
Heart disease	241.9	228.2
Malignant neoplasms	224.4	221.3
Cerebrovascular diseases	88.4	87.9
Influenza and pneumonia	70.7	73.3
Unintentional injuries	50.1	51.6
Chronic lower respiratory diseases	39.6	36.2
Diseases of arteries, arterioles and capillaries	26.2	27.0
Diabetes mellitus	21.7	21.1
Chronic liver diseases and cirrhosis	15.4	15.7
Intentional self-harm	14.0	13.3

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. 2018

Causes	Male		Female		Sex ratio M/F
	Deaths	Rate	Deaths	Rate	
Heart diseases (I05-I52)	13 792	246.1	11 892	210.5	1.2
Malignant neoplasms (C00-C97)	14 298	255.2	10 604	187.7	1.4
Cerebrovascular diseases (I60-I69)	5 065	90.4	4 826	85.4	1.1
Influenza and pneumonia (J09-J18)	4 361	77.8	3 887	68.8	1.1
Unintentional injuries (V01-X59, Y85-Y86)	3 015	53.8	2 787	49.3	1.1
Chronic lower respiratory diseases (J40-J47)	2 169	38.7	1 910	33.8	1.1
Diseases of arteries, arterioles and capillaries (I70-I79)	1 612	28.8	1 429	25.3	1.1
Diabetes mellitus (E10-E14)	979	17.5	1 399	24.8	0.7
Chronic liver diseases and cirrhosis (K70, K73, K74, K760-K761)	1 407	25.1	359	6.4	4.0
Intentional self-harm (X60-X84, Y870)	1 186	21.2	307	5.4	3.9

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. 2017-2018

Causes	Male		Female		Total	
	2017	2018	2017	2018	2017	2018
Heart diseases (I05-I52)	16.2	15.8	8.4	8.2	12.3	12.0
Malignant neoplasms (C00-C97)	19.1	19.1	17.0	17.3	18.0	18.2
Cerebrovascular diseases (I60-I69)	4.8	4.8	3.1	3.0	4.0	3.9
Influenza and pneumonia (J09-J18)	2.8	3.3	1.9	2.0	2.3	2.6
Unintentional injuries (V01-X59, Y85-Y86)	8.3	8.2	1.9	2.2	5.1	5.2
Chronic liver diseases and cirrhosis (K70, K73- K74, K760-K761)	4.2	4.3	0.6	0.7	2.4	2.5
Diseases of arteries, arterioles and capillaries (I70-I79)	0.8	0.9	0.5	0.6	0.7	0.8
Diabetes mellitus (E10-E14)	1.4	1.4	1.5	1.4	1.5	1.4
Chronic lower respiratory diseases (J40-J47)	1.7	1.6	1.9	1.8	1.8	1.7
Intentional self-harm (X60-X84, Y870)	4.4	4.1	1.2	1.0	2.8	2.6
Total	82.1	82.2	48.8	49.5	65.4	65.9

Table 12. Mortality by 35 leading causes of death. 2018

Causes	Number of deaths	Rate *	
		Crude	Adjusted**
Heart diseases (I05-I52)	25 684	228.2	104.7
Malignant neoplasms (C00-C97)	24 902	221.3	112.2
Cerebrovascular diseases (I60-I69)	9 891	87.9	39.4
Influenza and pneumonia (J09-J18)	8 248	73.3	31.6
Unintentional injuries (V01-X59, Y85-Y86)	5 802	51.6	26.7
Dementia and Alzheimer's disease (F01-F03, G30)	5 477	48.7	18.3
Chronic lower respiratory diseases (J40-J47)	4 079	36.2	17.1
Asthma (J45-J46)	233	2.1	1.1
Disease of arteries, arterioles and capillaries (I70-I79)	3 041	27.0	11.4
Diabetes mellitus (E10-E14)	2 378	21.1	10.2
Cirrhosis and other liver diseases (K70, K73-K74, K760-K761)	1 766	15.7	8.5
Intentional self-harm (X60-X84, Y870)	1 493	13.3	8.4
Glomerular and renal diseases (N00-N19, N25-N27)	1 057	9.4	4.7
Non malignant neoplasm (D00-D48)	839	7.5	3.9
Parkinson's disease (G20-G21)	665	5.9	2.7
Hernia and intestinal obstruction without hernia (K40-K46, K56)	616	5.5	2.6
Mental and behavioral disorders due to use of alcohol (F10)	581	5.2	2.9
Assault (X85-Y09, Y871)	501	4.5	3.9
AIDS (B20-B24)	477	4.2	3.2
Events of undetermined intent (Y10-Y34, Y872)	401	3.6	2.0
Peptic ulcer (K25-K28)	339	3.0	1.4

* 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. 2018. (Continued)

Causes	Number of deaths	Rate *	
		Crude	Adjusted **
Congenital malformations (Q00-Q99)	321	2.9	2.8
Arthrosis (M15-M19))	307	2.7	1.0
Conditions originating in the perinatal period (P00-P96)	243	2.2	2.8
Acute pancreatitis and other diseases of the pancreas (K85-K86)	209	1.9	1.0
Intestinal infections diseases (A00-A09)	190	1.7	0.9
Anaemias (D50-D64)	188	1.7	1.0
Systemic connective tissue disorders (M30-M36)	155	1.4	1.0
Viral hepatitis (B15-B19)	151	1.3	0.7
Septicaemia (A40-A41)	101	0.9	0.6
Bacterial meningitis, except meningococcal meningitis (G00-G03)	89	0.8	0.6
Maternal death (O00-O95, O98-O99)***	51	0.9	1.1
Hyperplasia of prostate (N40)***	48	0.9	0.4
Malnutrition (E40-E46)	46	0.4	0.2
Leptospirosis (A27)	45	0.4	0.3
Tuberculosis (A15-A19)	28	0.2	0.1

* 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. 2018

Causes*	0-4	5-14	15-39	40-64	65 and over	Total **
Number of deaths						
Diseases of the circulatory system (I00-I99)	10	11	308	6 760	32 020	39 130
Neoplasms (C00-D48)	28	50	429	7 459	17 766	25 741
Communicable diseases (A00-B99, G00-G03, J00-J22)	93	20	285	1 431	7 732	9 567
External causes (V01-Y89)	58	67	1 002	2 052	5 077	8 264
Certain conditions originating in the perinatal period (P00-P96)	232	3	2	4	2	243
All other diseases (D50-F99, G04-H95, J30-O99, Q00-R99)	190	88	584	5 130	17 252	23 254
Total	611	239	2 610	22 836	79 849	106 199
Rate per 100 000 population						
Diseases of the circulatory system	1.6	0.9	8.6	162.0	1 887.0	347.7
Neoplasms	4.5	4.2	12.0	178.7	1 047.0	228.7
Communicable diseases	14.9	1.7	8.0	34.3	455.7	85.0
External causes	9.3	5.6	28.1	49.2	299.2	73.4
Certain conditions originating in the perinatal period	37.3	0.3	0.1	0.1	0.1	2.2
All other diseases	30.5	7.3	16.4	122.9	1 016.7	206.6
Total	98.2	20.0	73.3	547.1	4 705.7	943.7

* Causes from OPS brief list: 667

** Includes deaths at unknown age (54).

Table 14. Selected mortality indicators under- five years of age by sex. 1970, 1975, 1980, 1985, 1990, 1995-2018

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	3.9	5.5	5.7	5.3	99.4
2017	4.0	4.3	3.8	5.5	5.9	5.0	99.5
2018	4.0	4.4	3.5	5.3	5.6	4.8	99.5

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

Table 15. Leading causes of infant deaths. 2017-2018

Causes	2017	2018
Number of deaths		
Certain perinatal conditions (P00-P96)	205	231
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	97	92
Influenza and pneumonia (J09-J18)	28	25
Unintentional injuries (V01-X59, Y85-Y86)	13	14
Bacterial meningoen­cephalitis, except meningococcal (G00-G03)	7	8
Other causes	115	91
Total	465	461
Rate per 1 000 live births		
Certain perinatal conditions	1.8	2.0
Congenital malformations, deformations and chromosomal abnormalities	0.8	0.8
Influenza and pneumonia	0.2	0.2
Unintentional injuries	0.1	0.1
Bacterial meningoen­cephalitis, except meningococcal	0.1	0.1
Other causes	1.0	0.8
Total	4.0	4.0

Table 16. Leading causes of infant deaths by age. 2018

Causes	<7 days	7-27 days	28 days to 11 months	Total
Number of deaths				
Congenital malformations, deformations and chromosomal abnormalities. (Q00-Q99)	23	17	52	92
Intrauterine hypoxia and birth asphyxia (P20-P21)	36	8	9	53
Septicaemia (A40-A41, P36)	17	24	6	47
Intracranial nontraumatic haemorrhage (P52)	13	8	5	26
Influenza and pneumonia (J09-J18)	1	2	22	25
Persistent fetal circulation (P293)	16	4	-	20
Congenital pneumonia (P23)	14	3	-	17
Disorders related to length of gestation and fetal growth (P05-P08)	8	7	2	17
Hyaline membrane disease (P220)	14	-	1	15
Other conditions originating in the perinatal period (Remainder P00-P96)	5	6	3	14
Unintentional injuries (V01-X59, Y85-Y86)	-	3	11	14
Pulmonary haemorrhage (P26)	9	3	1	13
Bacterial, viral and unspecified meningoencephalitis (A83-A87, G00-G04)	-	3	6	9
Neonatal aspiration of meconium (P24.0)	7	-	-	7
Other causes	13	10	80	110
Total	171	92	198	461
Rate per 1 000 live births				
Congenital malformations, deformations and chromosomal abnormalities.	0.2	0.1	0.4	0.8
Intrauterine hypoxia and birth asphyxia	0.3	0.1	0.1	0.5
Septicaemia	0.1	0.2	0.1	0.4
Intracranial nontraumatic haemorrhage	0.1	0.1	0.0	0.2
Influenza and pneumonia	0.0	0.0	0.2	0.2
Persistent fetal circulation	0.1	0.0	-	0.2
Congenital pneumonia	0.1	0.0	-	0.1
Disorders related to length of gestation and fetal growth	0.1	0.1	0.0	0.1
Hyaline membrane disease	0.1	-	0.0	0.1
Other conditions originating in the perinatal period	0.0	0.1	0.0	0.1
Unintentional injuries	-	0.0	0.1	0.1
Pulmonary haemorrhage	0.1	0.0	0.0	0.1
Bacterial, viral and unspecified meningoencephalitis	-	0.0	0.1	0.1
Neonatal aspiration of meconium	0.1	-	-	0.1
Other causes	0.1	0.1	0.7	0.9
Total	1.5	0.8	1.7	4.0

Note: Causes from Cuban list 28 of infant deaths.

Table 17. Congenital malformations for infant deaths by age. 2018

Causes	<7 days	7-27 days	28 days to 11 months	Total
Number of deaths				
Congenital malformations of the circulatory system (Q20-Q28)	13	8	22	43
Congenital malformations of great arteries and veins (Q25-Q26)	6	2	6	14
Congenital malformations of cardiac septa (Q21)	1	1	8	10
Congenital malformations of cardiac chambers and connections (Q20)	2	1	3	6
Congenital malformations of heart, unspecified (Q249)	2	1	3	6
Congenital malformations of the digestive system (Q38-Q45)	-	4	10	14
Congenital malformations of esophagus (Q39)	-	4	2	6
Congenital absence, atresia and stenosis of intestine (Q41-Q42)	-	-	2	2
Congenital malformations and deformations of the musculoskeletal system (Q65-Q79)	6	4	3	13
Congenital diaphragmatic hernia (Q790)	3	2	1	6
Gastroschisis (Q793)	1	-	1	2
Congenital malformations of the respiratory system (Q30-Q34)	2	-	3	5
Congenital malformations of the nervous system (Q00-Q07)	2	1	2	5
Congenital malformations of the urinary system (Q60-Q64)	-	-	2	2
Chromosomal abnormalities, not elsewhere classified (Q90-Q99)	-	-	5	5
Other congenital malformations (Q10-Q18, Q35-Q37, Q50-Q56, Q80-Q89)	-	-	5	5
Total	23	17	52	92
Rate per 1 000 live births				
Congenital malformations of the circulatory system	0.1	0.1	0.2	0.4
Congenital malformations of great arteries and veins	0.1	0.0	0.1	0.1
Congenital malformations of cardiac septa	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 heart, unspecified	0.0	0.0	0.0	0.1
Congenital malformations of the digestive system	-	0.0	0.1	0.1
Congenital malformations of esophagus	-	0.0	0.0	0.1
Congenital absence, atresia and stenosis of intestine	-	-	0.0	0.0
Congenital malformations and deformations of the musculoskeletal system	0.1	0.0	0.0	0.1
Congenital diaphragmatic hernia	0.0	0.0	0.0	0.1
Gastroschisis	0.0	-	0.0	0.0
Congenital malformations of the respiratory system	0.0	-	0.0	0.0
Congenital malformations of the nervous system	0.0	0.0	0.0	0.0
Congenital malformations of the urinary system	-	-	0.0	0.0
Chromosomal abnormalities, not elsewhere classified	-	-	0.0	0.0
Other congenital malformations	-	-	0.0	0.0
Total	0.2	0.1	0.4	0.8

Table 18. Leading causes of death for children 1-4 years of age. 2017-2018

Causes	2017	2018
Number of deaths		
Unintentional injuries (V01-X59, Y85-Y86)	27	33
Malignant neoplasms (C00-C97)	17	24
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	19	17
Influenza and pneumonia (J09-J18)	24	12
Bacterial meningoen­cephalitis, except meningococcal (G00-G03)	5	11
Septicaemia (A40-A41)	3	2
Non-malignant tumors (D00-D48)	3	1
Other causes	64	50
Total	162	150
Rate per 10 000 population		
Unintentional injuries	0.5	0.7
Malignant neoplasms	0.3	0.5
Congenital malformations, deformations and chromosomal abnormalities	0.4	0.3
Influenza and pneumonia	0.5	0.2
Bacterial meningoen­cephalitis, except meningococcal	0.1	0.2
Septicaemia	0.1	0.0
Non-malignant tumors	0.1	0.0
Other causes	1.3	1.0
Total	3.2	3.0

Table 19. Leading causes of death for children 5-14 years of age. 2017-2018

Causes	2017	2018
Number of deaths		
Unintentional injuries (V01-X59, Y85-Y86)	49	61
Malignant neoplasms (C00-C97)	43	49
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	12	17
Influenza and pneumonia (J09-J18)	11	7
Heart diseases (I05-I52)	4	7
Glomerular and renal diseases (N00-N19, N25-N27)	2	5
Other causes	91	93
Total	212	239
Rate per 100 000 population		
Unintentional injuries	4.1	5.1
Malignant neoplasms	3.6	4.1
Congenital malformations, deformations and chromosomal abnormalities	1.0	1.4
Influenza and pneumonia	0.9	0.6
Heart diseases	0.3	0.6
Glomerular and renal diseases	0.2	0.4
Other causes	7.5	7.8
Total	17.5	20.0

Table 20. Leading causes of death for persons 10-19 years of age. 2017-2018

Causes	2017	2018
Number of deaths		
Unintentional injuries (V01-X59, Y85-Y86)	113	92
Malignant neoplasms (C00-C97)	61	64
Intentional self-harm (X60-X84, Y870)	32	23
Assault (X85-Y09, Y871)	26	22
Heart diseases (I05-I52)	7	15
Other causes	169	162
Total	408	378
Rate per 100 000 population		
Unintentional injuries	8.7	7.3
Malignant neoplasms	4.7	5.0
Intentional self-harm	2.0	1.8
Assault	2.5	1.7
Heart diseases	0.5	1.2
Other causes	13.0	12.8
Total	31.4	29.8

Table 21. Leading causes of death for persons 15-49 years of age. 2017-2018

Causes	2017	2018
Number of deaths		
Malignant neoplasms (C00-C97)	1 501	1 454
Heart diseases (I05-I52)	924	928
Unintentional injuries (V01-X59, Y85-Y86)	838	847
Intentional self-harm (X60-X84, Y870)	494	456
Assault (X85-Y09, Y871)	387	347
Other causes	2 776	2 774
Total	6 920	6 806
Rate per 100 000 population		
Malignant neoplasms	27.6	27.2
Heart diseases	17.0	17.4
Unintentional injuries	15.4	15.8
Intentional self-harm	9.1	8.5
Assault	7.1	6.5
Other causes	51.1	51.9
Total	127.4	127.3

Table 22. Leading causes of death for persons 50-64 years of age. 2017-2018

Causes	2017	2018
Number of deaths		
Malignant neoplasms (C00-C97)	6 000	6 163
Heart diseases (I05-I52)	4 238	4 156
Cerebrovascular diseases (I60-I69)	1 287	1 244
Cirrhosis and other liver diseases (K70, K73-K74, K760-K761)	772	827
Influenza and pneumonia (J09-J18)	629	734
Other causes	5 232	5 516
Total	18 158	18 640
Rate per 100 000 population		
Malignant neoplasms	257.8	257.8
Heart diseases	182.1	173.8
Cerebrovascular diseases	55.3	52.0
Cirrhosis and other liver diseases	33.2	34.6
Influenza and pneumonia	27.0	30.7
Other causes	224.8	230.7
Total	780.2	779.7

Table 23. Leading causes of death for persons 65 years and over. 2017-2018

Causes	2017	2018
Number of deaths		
Heart diseases (I05-I52)	22 017	20 571
Malignant neoplasms (C00-C97)	17 669	17 201
Cerebrovascular diseases (I60-I69)	8 329	8 318
Influenza and pneumonia (J09-J18)	7 075	7 223
Unintentional injuries (V01-X59, Y85-Y86)	4 051	4 163
Other causes	21 852	22 373
Total	80 993	79 849
Rate per 100 000 population		
Heart diseases	1 332.4	1 212.3
Malignant neoplasms	1 069.3	1 013.7
Cerebrovascular diseases	504.1	490.2
Influenza and pneumonia	428.2	425.7
Unintentional injuries	245.2	245.3
Other causes	1 322.4	1 318.5
Total	4 901.5	4 705.7

Table 24. Leading causes of death for persons 60 years and over. 2017-2018

Causes	2017	2018
Number of deaths		
Heart diseases (I05-I52)	23 940	22 402
Malignant neoplasms (C00-C97)	20 163	19 813
Cerebrovascular diseases (I60-I69)	8 882	8 835
Influenza and pneumonia (J09-J18)	7 393	7 557
Unintentional injuries (V01-X59, Y85-Y86)	4 261	4 391
Other causes	23 846	24 447
Total	88 485	87 445
Rate per 100 000 population		
Heart diseases	1 065.5	979.2
Malignant neoplasms	897.4	866.0
Cerebrovascular diseases	395.3	386.2
Influenza and pneumonia	329.0	330.3
Unintentional injuries	189.6	191.9
Other causes	1 061.3	1 068.5
Total	3 938.3	3 822.1

Table 25. Leading causes of death for persons 60-69 years of age. 2017-2018

Causes	2017	2018
Number of deaths		
Malignant neoplasms (C00-C97)	5 828	5 920
Heart diseases (I05-I52)	4 536	4 295
Cerebrovascular diseases (I60-I69)	1 407	1 336
Chronic lower respiratory diseases (J40-J47)	912	875
Influenza and pneumonia (J09-J18)	777	869
Other causes	4 190	4 415
Total	17 650	17 710
Rate per 100 000 population		
Malignant neoplasms	520.4	525.9
Heart diseases	405.0	381.6
Cerebrovascular diseases	125.6	118.7
Chronic lower respiratory diseases	81.4	77.7
Influenza and pneumonia	69.4	77.2
Other causes	374.1	392.2
Total	1 575.9	1 573.4

Table 26. Leading causes of death for persons 30-69 years of age. 2017-2018

Causes	2017	2018
Number of deaths		
Malignant neoplasms (C00-C97)	10 672	10 781
Heart diseases (I05-I52)	7 713	7 487
Cerebrovascular diseases (I60-I69)	2 432	2 360
Unintentional injuries (V01-X59, Y85-Y86)	1 467	1 489
Influenza and pneumonia (J09-J18)	1 243	1 481
Other causes	10 499	10 808
Total	34 026	34 406
Rate per 100 000 population		
Malignant neoplasms	176.0	177.2
Heart diseases	127.2	123.1
Cerebrovascular diseases	40.1	38.8
Unintentional injuries	24.2	24.5
Influenza and pneumonia	20.5	24.3
Other causes	173.1	177.7
Total	561.0	565.5

Table 27. Leading causes of death for persons 70-79 years of age. 2017-2018

Causes	2017	2018
Number of deaths		
Malignant neoplasms (C00-C97)	7 336	7 341
Heart diseases (I05-I52)	7 429	7 012
Cerebrovascular diseases (I60-I69)	2 789	2 815
Influenza and pneumonia (J09-J18)	1 823	1 961
Chronic lower respiratory diseases (J40-J47)	1 418	1 332
Other causes	6 563	7 025
Total	27 358	27 486
Rate per 100 000 population		
Heart diseases	984.4	955.3
Malignant neoplasms	996.9	912.5
Cerebrovascular diseases	374.3	366.3
Influenza and pneumonia	244.6	255.2
Chronic lower respiratory diseases	190.3	173.3
Other causes	880.7	914.2
Total	3 671.3	3 577.0

Table 28. Leading causes of death for persons 80 years and over. 2017-2018

Causes	2017	2018
Number of deaths		
Heart diseases (I05-I52)	11 975	11 095
Malignant neoplasms (C00-C97)	6 999	6 552
Influenza and pneumonia (J09-J18)	4 793	4 727
Cerebrovascular diseases (I60-I69)	4 686	4 684
Unintentional injuries (V01-X59, Y85-Y86)	2 944	2 937
Other causes	12 080	12 254
Total	43 477	42 249
Rate per 100 000 population		
Heart diseases	3 137.8	2 816.8
Malignant neoplasms	1 833.9	1 663.4
Influenza and pneumonia	1 255.9	1 200.1
Cerebrovascular diseases	1 227.9	1 189.2
Unintentional injuries	771.4	745.6
Other causes	3 165.3	3 111.1
Total	11 392.1	10 726.2

Table 29. Selected malignant neoplasms mortality. 2017-2018

Location	2017	2018
Number of deaths		
Trachea, bronchus and lung (C33-C34)	5 721	5 613
Prostate (C61)	3 132	3 189
Intestine, except rectum (C17-C18)	2 485	2 403
Breast (C50)	1 519	1 592
Other neoplasms of lymphatic and haematopoietic tissue (C81-C90, C96)	1 003	972
Esophagus (C15)	831	834
Lip, oral cavity and pharynx (C00-C14)	832	826
Stomach (C16)	895	824
Larynx (C32)	853	795
Leukaemia (C91-C95)	584	631
Uterus, other and unspecified (C54-C55)	704	622
Cervix uteri (C53)	530	548
Melanoma of skin (C43-C44)	471	452
Rectum, rectosigmoid junction and anus (C19-C21)	378	382
Bones and connective tissues (C40-C41)	220	184
Others	5 074	5 035
Total	25 232	24 902
Crude rate per 100 000 population		
Trachea, bronchus and lung	50.9	49.9
Prostate*	55.9	56.9
Intestine, except rectum	22.1	21.4
Breast **	26.9	28.2
Other neoplasms of lymphatic and haematopoietic tissue	8.9	8.6
Esophagus	7.4	7.4
Lip, oral cavity and pharynx	7.4	7.3
Stomach	8.0	7.3
Larynx	7.6	7.1
Leukaemia	5.2	5.6
Uterus, other and unspecified **	12.5	11.0
Cervix uteri **	9.4	9.7
Melanoma of skin	4.2	4.0
Rectum, rectosigmoid junction and anus	3.4	3.4
Bones and connective tissues	2.0	1.6
Others	45.1	44.7
Total	224.4	221.3

* Male population.

** Female population.

Table 30. Selected malignant neoplasms mortality by sex. 2018

Location	Male		Female		Mortality sex ratio M/F
	Deaths	Rate	Deaths	Rate	
Trachea, bronchus and lung (C33-C34)	3 534	63.1	2 079	36.8	1.7
Intestine, except rectum (C17-C18)	1 029	18.4	1 374	24.3	0.8
Larynx (C32)	696	12.4	99	1.8	7.1
Esophagus (C15)	681	12.2	153	2.7	4.5
Lip, oral cavity and pharynx (C00-C14)	679	12.1	147	2.6	4.7
Urinary tract (C64-C68)	654	11.7	285	5.0	2.3
Other neoplasms of lymphatic and haematopoietic tissue (C81-C90, C96)	512	9.1	460	8.1	1.1
Stomach (C16)	490	8.7	334	5.9	1.5
Pancreas (C25)	465	8.3	429	7.6	1.1
Malignant neoplasm of liver and intrahepatic bile ducts (C22)	411	7.3	364	6.4	1.1
Leukaemia (C91-C95)	354	6.3	277	4.9	1.3
Brain (C71)	313	5.6	304	5.4	1.0
Melanoma of skin (C43-C44)	285	5.1	167	3.0	1.7
Rectum, rectosigmoid junction and anus (C19- C21)	166	3.0	216	3.8	0.8
Bones and connective tissues (C40-C41)	92	1.6	92	1.6	1.0
Others	3 937	70.3	3 824	67.7	1.0
Total	14 298	255.2	10 604	187.7	1.4

Rate per 100 000 population by sex.

Table 31. Malignant neoplasms mortality by age. Male sex. 2018

Location	<10	10-19	20-39	40-59	60-79	80 and over	Total *
Number of deaths							
Trachea, bronchus and lung (C33-C34)	-	-	12	560	2 244	714	3 534
Prostate (C61)	1	-	-	112	1 501	1 574	3 189
Intestine, except rectum (C17-C18)	-	-	10	118	580	321	1 029
Larynx (C32)	-	-	1	167	417	111	696
Esophagus (C15)	-	-	6	218	367	90	681
Lip, oral cavity and pharynx (C00-C14)	-	-	6	226	351	96	679
Urinary tract (C64-C68)	1	-	3	76	368	206	654
Other neoplasms of lymphatic and haematopoietic tissue (C81-C90, C96)	4	8	31	123	276	70	512
Stomach (C16)	-	-	1	78	300	111	490
Pancreas (C25)	-	-	2	114	259	90	465
Liver and intrahepatic bile ducts (C22)	-	-	5	81	234	90	411
Leukaemia (C91-C95)	8	17	21	76	167	65	354
Brain (C71)	6	1	16	104	158	28	313
Melanoma of skin (C43-C44)	-	-	7	37	118	123	285
Rectum, rectosigmoid junction and anus (C19-C21)	-	-	4	36	83	43	166
Bones and connective tissues (C40-C41)	1	10	-	17	55	9	92
Breast (C50)	-	-	-	2	5	1	8
Others	5	3	31	183	378	138	740
Total	26	39	156	2 328	7 861	3 880	14 298
Crude rate per 100 000 male population							
Trachea, bronchus and lung	-	-	0.8	31.7	250.0	416.8	63.1
Prostate	0.2	-	-	6.3	167.2	918.8	56.9
Intestine, except rectum	-	-	0.7	6.7	64.6	187.4	18.4
Larynx	-	-	0.1	9.4	46.4	64.8	12.4
Esophagus	-	-	0.4	12.3	40.9	52.5	12.2
Lip, oral cavity and pharynx	-	-	0.4	12.8	39.1	56.0	12.1
Urinary tract	0.2	-	0.2	4.3	41.0	120.3	11.7
Other neoplasms of lymphatic and haematopoietic tissue	0.6	1.2	2.1	7.0	30.7	40.9	9.1
Stomach	-	-	0.1	4.4	33.4	64.8	8.7
Pancreas	-	-	0.1	6.4	28.9	52.5	8.3
Liver and intrahepatic bile ducts	-	-	0.3	4.6	26.1	52.5	7.3
Leukaemia	1.3	2.6	1.4	4.3	18.6	37.9	6.3
Brain	0.9	0.2	1.1	5.9	17.6	16.3	5.6
Melanoma of skin	-	-	0.5	2.1	13.1	71.8	5.1
Rectum, rectosigmoid junction and anus	-	-	0.3	2.0	9.2	25.1	3.0
Bones and connective tissues	0.2	1.5	-	1.0	6.1	5.3	1.6
Breast	-	-	-	0.1	0.6	0.6	0.1
Others	0.8	0.5	2.1	10.4	42.1	80.6	13.2
Total	4.1	6.0	10.5	131.7	875.6	2 265.0	255.2

* Includes deaths of unknown age (8)

Table 32. Malignant neoplasms mortality by age. Female sex. 2018

Location	<10	10-19	20-39	40-59	60-79	80 and over	Total*
Number of deaths							
Trachea, bronchus and lung (C33-C34)	-	-	18	342	1 290	429	2 079
Breast (C50)	-	-	34	464	698	396	1 592
Intestine, except rectum (C17-C18)	-	-	10	168	675	521	1 374
Uterus, other and unspecified (C54-C55)	-	-	7	144	330	141	622
Cervix uteri (C53)	-	-	34	217	231	66	548
Other neoplasms of lymphatic and haematopoietic tissue (C81-C90, C96)	2	4	19	108	258	69	460
Pancreas (C25)	-	-	-	81	236	112	429
Liver and intrahepatic bile ducts (C22)	1	-	3	68	190	101	364
Stomach (C16)	-	1	4	55	166	108	334
Brain (C71)	5	4	23	81	140	51	304
Urinary tract (C64-C68)	3	-	1	39	144	98	285
Leukaemia (C91-C95)	10	6	16	79	114	52	277
Rectum, rectosigmoid junction and anus (C19-C21)	-	-	1	47	103	65	216
Melanoma of skin (C43-C44)	-	-	5	12	50	100	167
Esophagus (C15)	-	-	2	34	78	39	153
Lip, oral cavity and pharynx (C00-C14)	-	-	1	26	71	49	147
Larynx (C32)	-	-	-	16	65	18	99
Bones and connective tissues (C40-C41)	1	5	3	25	37	21	92
Others	5	5	19	273	524	236	1 062
Total	27	25	200	2 279	5 400	2 672	10 604
Crude rate per 100 000 female population							
Trachea, bronchus and lung	-	-	1.3	18.9	129.5	192.7	36.8
Breast	-	-	2.4	25.6	70.1	177.9	28.2
Intestine, except rectum	-	-	0.7	9.3	67.8	234.1	24.3
Uterus, other and unspecified	-	-	0.5	8.0	33.1	63.3	11.0
Cervix uteri	-	-	2.4	12.0	23.2	29.7	9.7
Other neoplasms of lymphatic and haematopoietic tissue	0.3	0.7	1.4	6.0	25.9	31.0	8.1
Pancreas	-	-	-	4.5	23.7	50.3	7.6
Liver and intrahepatic bile ducts	0.2	-	0.2	3.8	19.1	45.4	6.4
Stomach	-	0.2	0.3	3.0	16.7	48.5	5.9
Brain	0.8	0.7	1.7	4.5	14.1	22.9	5.4
Urinary tract	0.5	-	0.1	2.2	14.5	44.0	5.0
Leukaemia	1.6	1.0	1.1	4.4	11.4	23.4	4.9
Rectum, rectosigmoid junction and anus	-	-	0.1	2.6	10.3	29.2	3.8
Melanoma of skin	-	-	0.4	0.7	5.0	44.9	3.0
Esophagus	-	-	0.1	1.9	7.8	17.5	2.7
Lip, oral cavity and pharynx	-	-	0.1	1.4	7.1	22.0	2.6
Larynx	-	-	-	0.9	6.5	8.1	1.8
Bones and connective tissues	0.2	0.8	0.2	1.4	3.7	9.4	1.6
Others	0.8	0.8	1.4	15.1	52.6	106.0	18.8
Total	4.4	4.1	14.4	125.8	542.0	1 200.5	187.7

* Includes deaths of unknown age (1)

Table 33. Heart diseases mortality, 2017-2018

Causes	2017	2018
Number of deaths		
Ischaemic heart diseases (I20-I25)	17 722	16 260
Chronic ischaemic heart disease (I25)	9 000	8 200
Acute myocardial infarction (I21-I22)	7 998	7 350
Other acute ischaemic heart diseases (I24)	685	665
Hypertensive diseases (I10-I15)	4 548	4 404
Heart failure (I50)	2 034	1 941
Cardiomyopathy (I42)	1 133	1 123
Conduction disorders and cardiac arrhythmias (I44-I45, I47-I49)	608	704
Valve disorders nonrheumatic (I34-I38)	282	251
Chronic rheumatic heart diseases (I05-I09)	157	127
Other forms of heart disease (I26-I28, I30-I33, I39-I41, I43, I46, I51-I52)	723	874
Total	27 207	25 684
Crute rate per 100 000 population		
Ischaemic heart diseases	157.6	144.5
Chronic ischaemic heart disease	80.0	72.9
Acute myocardial infarction	71.1	65.3
Other acute ischaemic heart diseases	6.1	5.9
Hypertensive diseases	40.4	39.1
Heart failure	18.1	17.2
Cardiomyopathy	10.1	10.0
Conduction disorders and cardiac arrhythmias	5.4	6.3
Valve disorders nonrheumatic	2.5	2.2
Chronic rheumatic heart diseases	1.4	1.1
Other forms of heart disease	6.4	7.8
Total	241.9	228.2

Table 34. Heart diseases mortality by age. Male sex. 2018

Causes	<20	20-39	40-59	60-79	80 and over	Total *
Number of deaths						
Ischaemic heart diseases (I20-I25)	3	70	1 215	4 338	3 201	8 833
Acute myocardial infarction (I21-I22)	3	61	854	2 311	1 158	4 393
Other acute ischaemic heart diseases (I24)	-	6	333	1 866	1 908	4 113
Chronic ischaemic heart disease (I25)	-	3	24	149	131	307
Hypertensive diseases (I10-I15)	1	24	342	1 002	835	2 204
Heart failure (I50)	1	3	71	399	499	974
Cardiomyopathy (I42)	10	23	221	336	153	743
Conduction disorders and cardiac arrhythmias (I44-I45, I47-I49)	1	7	61	205	119	394
Valve disorders nonrheumatic (I34-I38)	2	5	26	60	32	125
Chronic rheumatic heart diseases (I05-I09)	-	1	24	26	6	57
Other forms of heart disease (I26-I28, I30-I33, I39-I41, I43, I46, I51-I52)	4	17	91	216	132	462
Total	22	150	2 051	6 582	4 977	13 792
Crude rate per 100 000 male population						
Ischaemic heart diseases	0.2	4.7	68.7	483.2	1 868.6	157.6
Acute myocardial infarction	0.2	4.1	48.3	257.4	676.0	78.4
Other acute ischaemic heart diseases	-	0.4	18.8	207.9	1 113.8	73.4
Chronic ischaemic heart disease	-	0.2	1.4	16.6	76.5	5.5
Hypertensive diseases	0.1	1.6	19.3	111.6	487.4	39.3
Heart failure	0.1	0.2	4.0	44.4	291.3	17.4
Cardiomyopathy	0.8	1.6	12.5	37.4	89.3	13.3
Conduction disorders and cardiac arrhythmias	0.1	0.5	3.5	22.8	69.5	7.0
Valve disorders nonrheumatic	0.2	0.3	1.5	6.7	18.7	2.2
Chronic rheumatic heart diseases	-	0.1	1.4	2.9	3.5	1.0
Other forms of heart disease	0.3	1.1	5.1	24.1	77.1	8.2
Total	1.7	10.1	116.0	733.2	2 905.4	246.1

* Includes deaths of unknown age (10).

Table 35. Heart diseases mortality by age. Female sex. 2018

Causes	<20	20-39	40-59	60-79	80 and over	Total*
Number of deaths						
Ischaemic heart diseases (I20-I25)	-	22	511	2 866	4 026	7 427
Chronic ischaemic heart disease (I25)	-	5	177	1 404	2 499	4 087
Acute myocardial infarction (I21-I22)	-	15	308	1 312	1 322	2 957
Other acute ischaemic heart diseases (I24)	-	2	25	137	194	358
Hypertensive diseases (I10-I15)	-	9	231	896	1 062	2 200
Heart failure (I50)	-	1	44	375	547	967
Cardiomyopathy (I42)	3	7	55	180	135	380
Conduction disorders and cardiac arrhythmias (I44-I45, I47-I49)	-	3	31	130	146	310
Valve disorders nonrheumatic (I34-I38)	-	4	25	58	39	126
Chronic rheumatic heart diseases (I05-I09)	-	1	30	30	9	70
Other forms of heart disease (I26-I28, I30-I33, I39-I41, I43, I46, I51-I52)	2	2	64	190	154	412
Total	5	49	991	4 725	6 118	11 892
Crude rate per 100 000 female population						
Ischaemic heart diseases	-	1.6	28.2	287.7	1 808.8	131.4
Chronic ischaemic heart disease	-	0.4	9.8	140.9	1 122.7	72.3
Acute myocardial infarction	-	1.1	17.0	131.7	593.9	52.3
Other acute ischaemic heart diseases	-	0.1	1.4	13.8	87.2	6.3
Hypertensive diseases	-	0.6	12.7	89.9	477.1	38.9
Heart failure	-	0.1	2.4	37.6	245.8	17.1
Cardiomyopathy s	0.2	0.5	3.0	18.1	60.7	6.7
Conduction disorders and cardiac arrhythmia	-	0.2	1.7	13.0	65.6	5.5
Valve disorders nonrheumatic	-	0.3	1.4	5.8	17.5	2.2
Chronic rheumatic heart diseases	-	0.1	1.7	3.0	4.0	1.2
Other forms of heart disease	0.2	0.1	3.5	19.1	69.2	7.3
Total	0.4	3.5	54.6	474.3	2 748.6	210.5

* Includes deaths of unknown age (1).

Table 36. Cerebrovascular diseases mortality by age. Male sex. 2018

Causes	<20	20-39	40-59	60-79	80 and over	Total *
Number of deaths						
Cerebrovascular diseases (I60-I69)	6	51	607	2 302	2 094	5 065
Occlusion (I63)	-	6	168	852	812	1 840
Haemorrhage (I60-I62)	6	42	341	675	347	1 412
Other cerebrovascular diseases (I64, I67)	-	3	61	447	513	1 026
Sequelae of cerebrovascular disease (I69)	-	-	37	328	422	787
Crude rate per 100 000 male population						
Cerebrovascular diseases	0.5	3.4	34.3	256.4	1 222.4	90.4
Occlusion	-	0.4	9.5	94.9	474.0	32.8
Haemorrhage	0.5	2.8	19.3	75.2	202.6	25.2
Other cerebrovascular diseases	-	0.2	3.5	49.8	299.5	18.3
Sequelae of cerebrovascular disease	-	-	2.1	36.5	246.3	14.0

* Includes deaths of unknown age (5).

Table 37. Cerebrovascular diseases mortality by age. Female sex. 2018

Causes	<20	20-39	40-59	60-79	80 and over	Total*
Number of deaths						
Cerebrovascular diseases (I60-I69)	3	30	353	1 849	2 590	4 826
Occlusion (I63)	-	4	100	675	1 030	1 809
Haemorrhage (I60-I62)	3	19	183	505	351	1 061
Other cerebrovascular diseases (I64,I67)	-	7	51	399	668	1 126
Sequelae of cerebrovascular disease (I69)	-	-	19	270	541	830
Crude rate per 100 000 female population						
Cerebrovascular diseases	0.2	2.2	19.4	185.6	1 163.6	85.4
Occlusion	-	0.3	5.5	67.8	462.8	32.0
Haemorrhage	0.2	1.4	10.1	50.7	157.7	18.8
Other cerebrovascular diseases	-	0.5	2.8	40.0	300.1	19.9
Sequelae of cerebrovascular disease	-	-	1.0	27.1	243.1	14.7

* Includes deaths of unknown age (1).

Table 38. Unintentional injuries mortality. Selected causes. 2017-2018

Causes	2017	2018
Number of deaths		
Accidental falls*	2 559	2 631
Motor vehicle accidents	881	806
Accidental drowning and submersion	212	244
Other transport accidents	125	217
Exposure to electric current	94	96
Accidental poisoning	85	94
Exposure to smoke, fire and flames	46	36
Others	1 637	1 678
Total	5 639	5 802
Crude rate per 100 000 population		
Accidental falls	22.8	23.4
Motor vehicle accidents	7.8	7.2
Accidental drowning and submersion	1.9	2.2
Other transport accidents	1.1	1.9
Exposure to electric current	0.8	0.9
Accidental poisoning	0.8	0.8
Exposure to smoke, fire and flames	0.4	0.3
Others	14.6	14.9
Total	50.1	51.6

* Exclude sequelae of accidental falls.

Table 39. Unintentional injuries mortality. Selected causes by age. Male sex. 2018

Causes	<10	10-19	20-39	40-59	60-79	80 and over	Total **
Number of deaths							
Falls (W00-W19)*	3	5	20	124	391	645	1 188
Transport accidents (V01-V99)	11	19	210	301	190	53	784
Motor vehicle accidents	7	16	180	237	145	45	630
Other transport accidents	4	3	30	64	45	8	154
Pedestrian injured in transport accident (V01-V09)	6	4	23	62	90	40	225
Pedal cyclist injured in transport accident (V10-V19)	-	4	19	41	32	7	103
Sequelae of unintentional injuries (Y85-Y86)	-	-	3	18	89	267	377
Accidental drowning and submersion (W65-W74)	10	38	49	76	47	6	227
Exposure to electric current (W85-W87)	4	9	24	38	6	2	83
Accidental poisoning (X40-X49)	1	-	13	38	22	5	80
Exposure to smoke, fire and flames (X00-X09)	-	-	2	8	10	3	23
Other accidents (W20-W64, W75-W84, W88-W99, X10-X39, X50-X59)	14	3	30	70	90	46	253
Total	43	74	351	673	845	1 027	3 015
Crude rate per 100 000 male population							
Falls	0.5	0.8	1.4	7.0	43.6	376.5	21.2
Transport accidents	1.7	2.9	14.2	17.0	21.2	30.9	14.0
Motor vehicle accidents	1.1	2.5	12.2	13.4	16.2	26.3	11.2
Other transport accidents	0.6	0.5	2.0	3.6	5.0	4.7	2.7
Pedestrian injured in transport accident	0.9	0.6	1.6	3.5	10.0	23.4	4.0
Pedal cyclist injured in transport accident	-	0.6	1.3	2.3	3.6	4.1	1.8
Sequelae of unintentional injuries	-	-	0.2	1.0	9.9	155.9	6.7
Accidental drowning and submersion	1.6	5.8	3.3	4.3	5.2	3.5	4.1
Exposure to electric current	0.6	1.4	1.6	2.1	0.7	1.2	1.5
Accidental poisoning	0.2	-	0.9	2.1	2.5	2.9	1.4
Exposure to smoke, fire and flames	-	-	0.1	0.5	1.1	1.8	0.4
Other accidents	2.2	0.5	2.0	4.0	10.0	26.9	4.5
Total	6.8	11.3	23.7	38.1	94.1	599.5	53.8

* Exclude sequelae of accidental falls.

** Include death at unknown age (2).

Table 40. Unintentional injuries mortality. Selected causes by age. Female sex. 2018

Causes	<10	10-19	20-39	40-59	60-79	80 and over	Total
Number of deaths							
Falls (W00-W19)*	2	-	2	21	352	1 064	1 443
Sequelae of unintentional injuries (Y85-Y86)	-	-	1	7	135	785	928
Transport accidents (V01-V99)	9	14	64	74	66	12	239
Motor vehicle accidents	6	13	43	52	51	11	176
Other transport accidents	3	1	21	22	15	1	63
Pedestrian injured in transport accident (V01-V09)	3	5	6	15	42	7	78
Pedal cyclist injured in transport accident (V10-V19)	1	1	4	3	2	-	11
Accidental drowning and submersion (W65-W74)	6	1	-	4	5	1	17
Accidental poisoning (X40-X49)	3	1	-	3	4	3	14
Exposure to smoke, fire and flames (X00-X09)	-	1	1	3	4	4	13
Exposure to electric current (W85-W87)	2	-	4	5	1	1	13
Other accidents (W20-W64, W75-W84, W88-W99, X10-X39, X50-X59)	12	1	5	20	42	40	120
Total	34	18	77	137	609	1 910	2 787
Crude rate per 100 000 female population							
Falls	0.3	-	0.1	1.2	35.3	478.0	25.5
Sequelae of unintentional injuries	-	-	0.1	0.4	13.6	352.7	16.4
Transport accidents	1.5	2.3	4.6	4.1	6.6	5.4	4.2
Motor vehicle accidents	1.0	2.1	3.1	2.9	5.1	4.9	3.1
Other transport accidents	0.5	0.2	1.5	1.2	1.5	0.4	1.1
Pedestrian injured in transport accident	0.5	0.8	0.4	0.8	4.2	3.1	1.4
Pedal cyclist injured in transport accident	0.2	0.2	0.3	0.2	0.2	-	0.2
Accidental drowning and submersion	1.0	0.2	-	0.2	0.5	0.4	0.3
Accidental poisoning	0.5	0.2	-	0.2	0.4	1.3	0.2
Exposure to smoke, fire and flames	-	0.2	0.1	0.2	0.4	1.8	0.2
Exposure to electric current	0.3	-	0.3	0.3	0.1	0.4	0.2
Other accidents	2.0	0.2	0.4	1.1	4.2	18.0	2.1
Total	5.6	2.9	5.5	7.5	61.1	858.1	49.3

* Exclude sequelae of accidental falls.

** Include death at unknown age (2).

Table 41. Infectious and parasitic diseases mortality (A00-B99). 1970, 1975, 1980, 1985-2018

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	1 088	9.7	1.1
2017	1 063	9.5	1.0
2018	1 107	9.8	1.0

Note: Include AIDS.

Table 42. Intestinal infectious diseases mortality (A00-A09). 1980, 1985-2018

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	17.5
2017	198	1.8	0.2	18.6
2018	190	1.7	0.2	17.2

Table 43. Maternal mortality by causes. 2016-2018

Causes	Number of deaths			Ratio per 100 000 live births		
	2016	2017	2018	2016	2017	2018
Direct obstetric deaths	32	25	32	27.4	21.7	27.5
Ectopic pregnancy (O00)	2	1	3	1.7	0.9	2.6
Pregnancy with abortive outcome, excludes ectopic pregnancy (O01-O08)	5	4	-	4.3	3.5	-
Complications predominantly related to the puerperium (O85-O92)	14	5	15	12.0	4.3	12.9
Obstetric embolism (O88)	9	2	6	7.7	1.7	5.2
Puerperal infections (O85-O86)	3	1	7	2.6	0.9	6.0
Complications of labour and delivery (O60-O66, O68-O71, O73-O75)	2	-	1	1.7	-	0.9
Placental disorders (O43-O45)	1	5	1	0.9	4.3	0.9
Other haemorrhages (O20, O46, O67, O72)	4	4	2	3.4	3.5	1.7
Hypertensive disorders (O11-O16)	2	4	4	1.7	3.5	3.4
Other complications (Remainder of O21-O23, O26, O29-O42, O47- O48, O95, A34, C58)	2	2	6	1.7	1.7	5.2
Indirect obstetric deaths	17	20	19	14.5	17.4	16.3
Diseases of the circulatory system (O99.4)	5	7	8	4.3	6.1	6.9
Anaemia (O99.0)	-	2	1	-	1.7	0.9
Infectious and parasitic diseases (O98)	1	1	2	0.9	0.9	1.7
Diseases of the respiratory system complicating pregnancy, childbirth and the puerperium (O99.5)	1	1	3	0.9	0.9	2.6
Other diseases (Remainder of O10, O24-O25, O28, O99.1-O99.3, O99.6-O99.8, E23.0, M83.0, F53)	10	9	5	8.6	7.8	4.3
Maternal mortality	49	45	51	41.9	39.1	43.8

Note: Maternal mortality include direct and indirect causes.

Table 44. Mortality related to pregnancy, childbirth and the puerperium by causes. 2016-2018

Causes	Number of deaths			Ratio per 100 000 live births		
	2016	2017	2018	2016	2017	2018
Direct obstetric deaths	32	25	32	27.4	21.7	27.5
Indirect obstetric deaths	17	20	19	14.5	17.4	16.3
Other causes	2	7	10	1.7	6.1	8.6
Mortality related to pregnancy, childbirth and the puerperium	51	52	61	43.6	45.2	52.4
Late maternal death	10	4	2	8.6	3.5	1.7
Death from sequelae of direct obstetric causes	2	-	1	1.7	-	0.9

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 45. Mortality from selected notifiable diseases. 1970, 1980, 2000, 2017-2018

Causes	1970	1980	2000	2017	2018
Number of deaths					
Typhoid fever (A010)	2	1	2	-	-
Tuberculosis (A15-A19)	622	135	44	34	28
Diphtheria (A36)	1	-	-	-	-
Tetanus (A33-A35)	81	13	1	2	-
Acute poliomyelitis (A80)	-	-	-	-	-
Measles (B05)	43	3	-	-	-
Syphilis (A50-A53)	24	3	1	1	-
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	0.2
Diphtheria	0.0	-	-	-	-
Tetanus	0.9	0.1	0.0	0.0	-
Acute poliomyelitis	-	-	-	-	-
Measles	0.5	0.0	-	-	-
Syphilis	0.3	0.0	0.0	0.0	-
Whooping cough	0.3	0.0	-	-	-

MORBIDITY

Table 46. Incidence of selected notifiable diseases by sex. 2000, 2017-2018

Diseases	2000			2017			2018		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Syphilis	9 199	4 734	4 465	5 088	2 910	2 178	4 706	2 675	2 031
Gonorrhoea	19 067	13 848	5 219	2 904	1 937	967	2 953	2 016	937
Tuberculosis	1 133	880	253	653	507	146	651	491	160
Leprosy	278	145	133	190	112	78	219	126	93
AIDS	258	198	60	298	247	51	161	135	26
Pneumococcal meningitis	188	104	84	96	51	45	93	46	47
Haemophilus meningitis	35	24	11	18	9	9	10	4	6
Meningococcal meningitis	41	25	16	8	3	5	5	4	1
Typhoid fever	37	25	12	-	-	-	1	1	-
Rabies	1	1	-	-	-	-	1	1	-
Tetanus	1	1	-	2	2	-	-	-	-
Incidence rate per 100 000 population									
Syphilis	82.2	85.0	80.3	45.2	52.0	38.6	41.8	47.7	35.9
Gonorrhoea	170.4	248.6	93.9	25.8	34.6	17.1	26.2	36.0	16.6
Tuberculosis	10.1	15.8	4.6	5.8	9.1	2.6	5.8	8.8	2.8
Leprosy	2.5	2.6	2.4	1.7	2.0	1.4	1.9	2.2	1.6
AIDS *	23.2	35.6	10.8	2.6	4.4	0.9	1.4	2.4	0.5
Pneumococcal meningitis	1.7	1.9	1.5	0.9	0.9	0.8	0.8	0.8	0.8
Haemophilus meningitis	0.3	0.4	0.2	0.2	0.2	0.2	0.1	0.1	0.1
Meningococcal meningitis	0.4	0.4	0.3	0.1	0.1	0.1	0.0	0.1	0.0
Typhoid fever	0.3	0.4	0.2	-	-	-	0.0	0.0	-
Rabies	0.0	0.0	-	-	-	-	0.0	0.0	-
Tetanus	0.0	0.0	-	0.0	0.0	-	-	-	-

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

Table 47. Incidence of selected notifiable diseases by age. 2018

Diseases	<1 year	1-14 years	15 years and over	Total
Cases				
Chickenpox	268	9 134	6 098	15 500
Tuberculosis	-	10	641	651
Viral hepatitis	2	79	371	452
Infectious mononucleosis	6	239	26	271
Meningococcal meningitis	2	3	-	5
Meningococcaemia	-	1	1	2
Tetanus	-	-	-	-
Typhoid fever	-	-	1	1
Incidence rate per 100 000 population				
Chickenpox	218.0	538.2	64.6	137.7
Tuberculosis	-	0.6	6.8	5.8
Viral hepatitis	1.6	4.7	3.9	4.0
Infectious mononucleosis	4.9	14.1	0.3	2.4
Meningococcal meningitis	1.6	0.2	-	0.0
Meningococcaemia	-	0.1	0.0	0.0
Tetanus	-	-	-	-
Typhoid fever	-	-	0.0	0.0

Table 48. Meningococcal infection incidence and mortality. 1980, 1985, 1990-2018

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	3	0.0
2017	12	0.1	2	0.0
2018	7	0.1	1	0.0

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

Table 49. Incidence of tuberculosis by age and location. 1990, 2000, 2017-2018

Age	Location	1990		2000		2017		2018	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate
<15 years	Total	9	0.3	16	0.6	7	0.4	10	0.5
	Pulmonary	6	0.2	11	0.4	6	0.3	5	0.3
	Extrapulmonary	3	0.1	5	0.2	1	0.1	5	0.3
15-64	Total	370	5.1	929	12.1	533	6.9	533	6.9
	Pulmonary	329	4.5	750	9.8	458	5.9	472	6.1
	Extrapulmonary	41	0.6	179	2.3	75	1.0	61	0.8
65 and over	Total	167	18.5	187	17.8	113	6.8	108	6.4
	Pulmonary	158	17.5	170	16.1	104	6.3	101	6.0
	Extrapulmonary	9	0.9	17	1.6	9	0.5	7	0.4
Total*	Total	546	5.1	1 133	10.1	653	5.8	651	5.8
	Pulmonary	493	4.6	932	8.3	568	5.1	578	5.1
	Extrapulmonary	53	0.4	201	1.8	85	0.8	73	0.6

* In 2000 include one case of unknown age.
Rate per 100 000 population.

Table 50. Incidence of leprosy by age and clinical type. 1990, 2000, 2017-2018

Age	Clinical type	1990		2000		2017		2018	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate
<15 years	Total	4	0.1	5	0.2	5	0.3	5	0.3
	Undetermined	2	0.0	2	0.1	3	0.2	3	0.2
	Dimorphous	1	0.0	2	0.1	-	-	1	0.1
	Tuberculoid	-	-	1	0.0	-	-	1	0.1
	Lepromatous	1	0.0	-	-	2	0.1	-	-
15 years and over	Total	306	3.7	273	3.1	185	2.0	220	2.3
	Undetermined	74	0.9	51	0.6	38	0.4	38	0.4
	Dimorphous	68	0.8	94	1.1	70	0.7	91	1.0
	Tuberculoid	58	0.7	50	0.6	8	0.1	16	0.2
	Lepromatous	106	1.2	78	0.9	69	0.7	75	0.8
Total	Total	310	2.9	278	2.5	190	1.7	225	2.0
	Undetermined	76	0.7	53	0.5	41	0.4	41	0.4
	Dimorphous	69	0.6	96	0.9	70	0.6	92	0.8
	Tuberculoid	58	0.5	51	0.5	8	0.1	17	0.2
	Lepromatous	107	1.0	78	0.7	71	0.6	75	0.7

Rate per 100 000 population.

Table 51. Consultations for acute diarrhoea diseases and respiratory infection by age. 2018

Age	Acute diarrhoea diseases		Acute respiratory infection	
	Cases	Rate	Cases	Rate
<1	34 434	280.1	299 342	2 435.3
1-4	51 937	104.0	1 072 433	2 148.3
5-9	19 994	32.3	723 313	1 168.3
10-14	10 828	18.7	416 418	719.6
15-24	16 320	11.8	593 941	429.6
25-59	44 031	7.6	1 823 295	316.4
60-64	6 913	11.7	242 173	409.8
65 and over	21 824	12.9	624 957	368.3
Total*	206 281	18.3	5 795 872	515.0

Rate per 1 000 population.

Table 52. Women screened for early detection of cervix cancer. 1970-2018

Years	Women screened	Rate	Years	Women screened	Rate
1970	176 307	78.5	1995	1 076 858	276.6
1971	284 382	124.4	1996	1 023 903	260.9
1972	362 802	155.2	1997	354 085	100.3
1973	391 418	164.2	1998	812 212	230.3
1974	435 080	177.9	1999	908 509	257.0
1975	432 093	172.8	2000	470 082	132.4
1976	412 225	162.2	2001	718 717	195.3
1977	404 585	156.8	2002	840 182	226.5
1978	395 889	150.4	2003	547 584	145.5
1979	395 066	147.1	2004	629 392	166.8
1980	426 186	156.4	2005	682 232	179.0
1981	428 001	151.7	2006	571 203	151.2
1982	482 445	170.9	2007	764 405	199.2
1983	523 457	174.0	2008	709 700	183.9
1984	533 806	173.1	2009	598 379	156.0
1985	550 951	176.2	2010	759 206	196.8
1986	637 867	197.9	2011	746 982	190.6
1987	710 255	218.9	2012	692 423	177.2
1988	788 170	232.0	2013	765 822	195.8
1989	907 921	261.0	2014	798 159	204.0
1990	904 709	254.5	2015	771 152	194.0
1991	994 020	273.8	2016	791 194	197.3
1992	942 368	253.4	2017	853 028	209.5
1993	1 022 053	269.4	2018	871 196	212.9
1994	1 053 717	272.6			

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 53. Women screened for early detection of cervix cancer by age. 2017-2018

Age	2017		2018	
	Number	Rate	Number	Rate
25-29	142 687	360.9	152 386	391.9
30-34	109 137	304.4	117 773	321.4
35-39	94 567	311.6	100 132	329.9
40 and over	506 637	168.0	500 905	165.1
Total	853 028	209.5	871 196	212.9

Rate per 1 000 women by age.

Table 54. Number of cases of cervix cancer by clinical stage. 1990, 1995, 2000-2018

Year	Clinical stage					Total
	0	I	II	III	IV	
1990	989	107	23	4	-	1 123
1995	888	84	10	-	-	982
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
2017	604	252	123	74	7	1 060
2018	625	184	146	62	7	1 024
	Percentage of total					
1990	88.1	9.5	2.0	0.4	-	100.0
1995	90.4	8.6	1.0	-	-	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
2017	57.0	23.8	11.6	7.0	0.7	100.0
2018	61.0	18.0	14.3	6.1	0.7	100.0

Table 55. Incidence of cancer by sex and leading locations. 2015

MALE

Location	No.	Crude rate	Adjusted rate *
Skin	6 518	116.5	70.2
Prostate	4 074	72.8	39.9
Bronchus, lung	3 188	57.0	35.2
Lip, oral cavity and pharynx	1 254	22.4	14.6
Larynx	1 180	21.1	13.7
Colon	1 106	19.8	11.6
Bladder	904	16.2	9.5
Esophagus	615	11.0	7.1
Stomach	606	10.8	6.6
Lymphoma	593	10.6	7.3
- Non Hodgkin	473	8.5	5.6
- Hodgkin	120	2.1	1.8
Total**	23 807	425.6	259.8

FEMALE

Location	No.	Crude rate	Adjusted rate *
Skin	5 552	98.6	54.7
Breast	3 748	66.6	39.4
Bronchus, lung	1 799	32.0	18.0
Cervix uteri	1 438	25.5	16.1
Colon	1 400	24.9	12.5
Corpus uteri	700	12.4	7.4
Ovary	540	9.6	6.1
Thyroid gland	429	7.6	5.3
Lymphoma	427	7.6	4.9
- Non Hodgkin	347	6.2	3.9
- Hodgkin	80	1.4	1.0
Lip, oral cavity and pharynx	384	6.8	3.9
Total**	20 647	366.7	213.0

* 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. Gin. World Health Organization. 2013.

Source: National Cancer Registry.

Table 56. Incidence of cancer in population under 20 years of age by diagnostics group and age. 2015

Diagnostics group	<1		1-4		5-9		10-14	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
I. Leukemia	5	39.8	32	63.4	15	25.9	19	27.4
-Lymphoid	5	39.8	23	45.6	9	15.6	11	15.9
-Acute non lymphocytic	-	-	6	11.9	5	8.6	5	7.2
-Chronic myeloid	-	-	1	2.0	-	-	3	4.3
-Other unspecified	-	-	2	4.0	1	1.7	-	-
II. Lymphoma and reticuloendotheliosis	-	-	5	9.9	10	17.3	12	17.3
- Non Hodgkin	-	-	5	9.9	6	10.4	4	5.8
- Hodgkin	-	-	-	-	4	6.9	8	11.5
III. Central nervous system	2	15.9	13	25.8	7	12.1	13	18.8
- Ependymoma	1	8	4	7.9	1	1.7	-	-
- Astrocytoma	1	8	2	4.0	2	3.5	7	10.1
- Other gliomas	-	-	2	4.0	3	5.2	1	1.4
- Other unspecified	-	-	5	9.9	1	1.7	5	7.2
IV. Sympathetic Nervous System	5	39.8	5	9.9	1	1.7	-	-
-Neuroblastoma	5	39.8	5	9.9	1	1.7	-	-
V. Retinoblastomas	6	47.8	3	5.9	-	-	-	-
VI. Kidney	-	-	9	17.8	2	3.5	-	-
-Wilms Tumor	-	-	9	17.8	2	3.5	-	-
VII. Hepatic tumors	-	-	-	-	-	-	-	-
VIII. Bone tumors	-	-	-	-	5	8.6	12	17.3
- Osteosarcomas	-	-	-	-	2	3.5	6	8.7
- Ewing Sarcoma	-	-	-	-	1	1.7	4	5.8
- Condrosarcomas	-	-	-	-	-	-	-	-
- Otros tumores no especificados	-	-	-	-	2	3.5	2	2.9
IX. Sarcoma of soft tissue	1	8.0	4	7.9	2	3.5	3	4.3
X. Germ cells tumors, trophoblastic and other tumors	1	8.0	1	2.0	1	1.7	5	7.2
XI. Carcinoma and other epithelial malignant tumors	-	-	-	-	3	5.2	11	15.9
- Malignant melanoma	-	-	-	-	-	-	1	1.4
- Carcinoma of skin	-	-	-	-	-	-	5	7.2
- Carcinoma of thyroid	-	-	-	-	-	-	1	1.4
- Carcinoma of nasopharynx	-	-	-	-	-	-	1	1.4
- Other carcinoma and unspecified	-	-	-	-	3	5.2	3	4.3
XII. Other tumors unspecified	1	8.0	3	5.9	2	3.5	1	1.4
Total	21	167.3	75	148.6	48	83.0	76	109.7

Rate per 1 000 000 population.

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

Source: National Cancer Registry.

Table 56. Incidence of cancer in population under 20 years of age by diagnostics group and age. 2015 (Continued)

Diagnostics group	0-14		<15		<20		AR
	No.	Rate	No.	Rate	No.	Rate	
I. Leukemia	71	37.3	19	27.0	90	34.5	36.3
- Lymphoid	48	25.2	8	11.4	56	21.5	23.4
- Acute non lymphocytic	16	8.4	9	12.8	25	9.6	9.5
- Chronic myeloid	4	2.1	1	1.4	5	1.9	1.8
- Other unspecified	3	1.6	1	1.4	4	1.5	1.7
II. Lymphoma and reticuloendotheliosis	27	14.2	25	35.6	52	20.0	18.6
- Non Hodgkin	15	7.9	11	15.6	26	10.0	9.8
- Hodgkin	12	6.3	14	19.9	26	10.0	8.8
III. Central nervous system	35	18.4	5	7.1	40	15.4	16.0
- Ependymoma	6	3.2	-	-	6	2.3	2.8
- Astrocytoma	12	6.3	5	7.1	17	6.5	6.2
- Other gliomas	6	3.2	-	-	6	2.3	2.6
- Other unspecified	11	5.8	-	-	11	4.2	4.4
IV. Sympathetic Nervous System	11	5.8	-	-	11	4.2	5.2
- Neuroblastoma	11	5.8	-	-	11	4.2	5.2
V. Retinoblastomas	9	4.7	-	-	9	3.5	4.3
VI. Kidney	11	5.8	2	2.8	13	5.0	5.8
- Wilms Tumor	11	5.8	2	2.8	13	5.0	5.8
VII. Hepatic tumors	-	-	-	-	-	-	-
VIII. Bone tumors	17	8.9	10	14.2	27	10.4	9.2
- Osteosarcomas	8	4.2	5	7.1	13	5.0	4.4
- Ewing Sarcoma	5	2.6	2	2.8	7	2.7	2.4
-Chondrosarcomas	-	-	1	1.4	1	0.4	0.3
- Other unspecified	4	2.1	2	2.8	6	2.3	2.2
IX. Sarcoma of soft tissue	10	5.3	3	4.3	13	5.0	5.2
X. Germ cells tumors, trophoblastic and other tumors	8	4.2	4	5.7	12	4.6	4.3
XI. Carcinoma and other epithelial malignant tumors	14	7.4	54	76.8	68	26.1	22.2
- Malignant melanoma	1	0.5	-	-	1	0.4	0.3
- Carcinoma of skin	5	2.6	21	29.9	26	10.0	8.3
- Carcinoma of thyroid	1	0.5	19	27.0	20	7.7	6.4
- Carcinoma of nasopharynx	1	0.5	-	-	1	0.4	0.3
- Other carcinoma and unspecified	6	3.2	14	19.9	20	7.7	6.7
XII. Other tumors unspecified	7	3.7	6	8.5	13	5.0	5.0
Total	220	115.7	128	182.0	348	133.6	132.1

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 57. Incidence of cancer in male population aged 20 years and over by leading location and age. 2015

Location	20-24		25-29		30-34		35-39		40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Skin	15	3.6	58	14.5	41	12.5	95	24.5	238	47.2
Prostate	-	-	1	0.2	2	0.6	2	0.5	7	1.4
Bronchus, lung	-	-	1	0.2	2	0.6	13	3.4	41	8.1
Lip, oral cavity and pharynx	6	1.4	4	1.0	9	2.7	17	4.4	46	9.1
Larynx	-	-	-	-	2	0.6	6	1.5	24	4.8
Colon	2	0.5	10	2.5	11	3.3	10	2.6	19	3.8
Bladder	-	-	1	0.2	2	0.6	1	0.3	14	2.8
Esophagus	-	-	1	0.2	1	0.3	2	0.5	17	3.4
Stomach	-	-	1	0.2	4	1.2	2	0.5	9	1.8
Lymphoma	15	3.6	18	4.5	27	8.2	15	3.9	33	6.5
- Non Hodgkin	6	1.4	7	1.7	18	5.5	10	2.6	26	5.2
- Hodgkin	9	2.2	11	2.7	9	2.7	5	1.3	7	1.4
Total*	75	17.9	154	38.4	153	46.6	235	60.6	591	117.3

Location	45-49		50-54		55-59		60 and over		Total	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Skin	388	76.1	519	124.9	533	178.1	4 609	466.5	6 496	152.8
Prostate	21	4.1	81	19.5	166	55.5	3 794	384.0	4 074	95.8
Bronchus, lung	85	16.7	258	62.1	267	89.2	2 520	255.1	3 187	75.0
Lip, oral cavity and pharynx	101	19.8	187	45.0	166	55.5	716	72.5	1 252	29.4
Larynx	56	11.0	153	36.8	126	42.1	812	82.2	1 179	27.7
Colon	40	7.8	82	19.7	62	20.7	869	88.0	1 105	26.0
Bladder	29	5.7	45	10.8	56	18.7	756	76.5	904	21.3
Esophagus	50	9.8	88	21.2	86	28.7	370	37.4	615	14.5
Stomach	29	5.7	49	11.8	53	17.7	458	46.4	605	14.2
Lymphoma	38	7.5	60	14.4	40	13.4	307	31.1	553	13.0
- Non Hodgkin	27	5.3	48	11.5	37	12.4	274	27.7	453	10.7
- Hodgkin	11	2.2	12	2.9	3	1.0	33	3.3	100	2.4
Total*	1 096	215.0	1 921	462.1	1 868	624.1	17 519	1 773.1	23 612	555.3

* Includes the rest of locations.
Rate per 100 000 population.
Source: National Cancer Registry.

Table 58. Incidence of cancer in female population aged 20 years and over by leading locations and age. 2015

Location	20-24		25-29		30-34		35-39		40-44	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Skin	23	5.9	51	13.5	68	21.7	150	39.1	288	56.7
Breast	6	1.5	19	5.0	40	12.7	94	24.5	257	50.6
Bronchus, lung	-	-	2	0.5	4	1.3	7	1.8	13	2.6
Cervix uteri	11	2.8	55	14.6	64	20.4	86	22.4	165	32.5
Colon	3	0.8	1	0.3	5	1.6	12	3.1	33	6.5
Corpus uteri	3	0.8	2	0.5	7	2.2	8	2.1	25	4.9
Ovary	11	2.8	11	2.9	17	5.4	21	5.5	34	6.7
Thyroid gland	17	4.3	33	8.7	31	9.9	26	6.8	40	7.9
Lymphoma	13	3.3	12	3.2	17	5.4	14	3.6	23	4.5
- Non Hodgkin	7	1.8	7	1.9	7	2.2	9	2.3	13	2.6
- Hodgkin	6	1.5	5	1.3	10	3.2	5	1.3	10	2.0
Lip, oral cavity and pharynx	3	0.8	2	0.5	4	1.3	8	2.1	13	2.6
Total*	121	30.9	231	61.1	304	96.8	509	132.7	1 045	205.8

Location	45-49		50-54		55-59		60 and over		Total	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Skin	391	74.1	485	111.7	442	137.9	3 640	327.9	5 538	126.8
Breast	401	76.0	440	101.3	430	134.1	2 058	185.4	3 745	85.8
Bronchus, lung	43	8.2	114	26.2	234	73.0	1 382	124.5	1 799	41.2
Cervix uteri	188	35.6	151	34.8	164	51.2	554	49.9	1 438	32.9
Colon	37	7.0	70	16.1	93	29.0	1 143	103.0	1 397	32.0
Corpus uteri	35	6.6	56	12.9	91	28.4	471	42.4	698	16.0
Ovary	65	12.3	72	16.6	63	19.7	238	21.4	532	12.2
Thyroid gland	61	11.6	65	15	31	9.7	111	10.0	415	9.5
Lymphoma	29	5.5	30	6.9	41	12.8	236	21.3	415	9.5
- Non Hodgkin	25	4.7	27	6.2	38	11.9	208	18.7	341	7.8
- Hodgkin	4	0.8	3	0.7	3	0.9	28	2.5	74	1.7
Lip, oral cavity and pharynx	23	4.4	41	9.4	30	9.4	258	23.2	382	8.7
Total*	1 514	287.1	1 841	423.9	2 047	638.6	12 868	1 159.2	20 480	469.0

* Includes the rest of locations.
Rate per 100 000 population.
Source: National Cancer Registry.

Table 59. Total doses administered by beginning date and type of vaccine. 1962-2018

Type of vaccine	Beginning date	Total doses administered
Tetanus toxoid vaccine (TT)	1963	90 908 380
Oral poliovirus vaccine (OPV)	1962	85 611 207
Typhoid vaccine (AT)	1963	42 555 230
Diphtheria, tetanus and pertussis vaccine (DPT)	1963	32 681 512
Diphtheria and tetanus toxoid vaccine (DT)	1963	14 456 891
Hepatitis B vaccine (HB)	1992	14 311 573
BCG vaccine	1963	13 734 555
Meningococcal type B – C vaccine (AM-BC)	1988	13 624 081
Measles, mumps, and rubella vaccine (MMR)	1986	8 548 626
Haemophilus influenzae (Hib)	1999	5 595 645
DPT+HB+Hib	2006	4 569 976
Inactivated poliovirus vaccine (IPV)	2016	446 170

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

Table 60. Low birth-weight. 1985, 1990-2018

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
2017	5 894	5.1
2018	6 134	5.3

HEALTH PERSONNEL AND RESOURCES

Table 61. Health personnel. 1980-2018

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
2017	492 366	71.0	6.8
2018	485 479	71.1	6.7

Table 62. Health personnel by occupation and sex. 2018

Occupation	Workers		Females	
	Number	Per 10 000 population	Number	Percentage of the Total (%)
Total workers	485 479	431.4	345 304	71.1
Of them:				
Nursing staff:	85 732	76.2	75 678	88.3
Bachelor in nursery	61 754	54.9	55 045	89.1
Nurses	23 963	21.3	20 620	86.0
Basic	15	0.0	13	86.7
Media Technicians*	58 728	52.2	44 328	75.5
Clinical and microbiological laboratory	1 123	1.0	1 018	90.7
Blood bank	185	0.2	103	55.7
X Ray	95	0.1	52	54.7
Dentistry	700	0.6	625	89.3
Pharmacy	89	0.1	76	85.4
Epidemiology and hygiene	334	0.3	319	95.5
Ophthalmology	4 665	4.1	4244	91.0
Social worker	1 077	1.0	962	89.3
Physiotherapy and rehabilitation	2 668	2.4	2 456	92.1
Health statistics	3 819	3.4	2702	70.8
Orthopedic bandage	5 129	4.6	4148	80.9
Orthopedic prosthesis and orthosis	755	0.7	613	81.2
Dietetic	2 009	1.8	1063	52.9
Psychiatric ergo therapy	1 425	1.3	994	69.8
Psychological testing	1 221	1.1	871	71.3
Logopedic and phoniatic	361	0.3	316	87.5
Medical radio physic	104	0.1	55	52.9
Cytohistopathology	294	0.3	224	76.2
Podiatry	828	0.7	655	79.1
Other technicians	31 847	28.3	22 832	71.7
Basic technicians*	65	0.1	59	90.8

* Excludes nurses.

Table 63. Physicians and dentists. 1975, 1980, 1985, 1990-2018

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
2017	92 084	81.9	122	18 675	16.6	602
2018	95 487	84.8	118	18 910	16.8	595

Source: Registry of Health Professionals.

Table 64. Cuban health collaboration by regions and countries. 2018

AMERICAS REGION	
Antigua y Barbuda	Guyana
Argentina	Haití
Bahamas	Honduras
Belice	Jamaica
Bolivia	Mexico
Brazil	Nicaragua
Bolivarian Republic of Venezuela	Peru
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	Kenya
Botswana	Lesotho
Burkina Faso	Mauritania
Cape Verde	Mozambique
Chad	Namibia
Congo	Niger
Djibouti	RASD
Eritrea	Sao Tome and Principe
Ethiopia	Seychelles
Equatorial Guinea	South Africa
Gabon	Swaziland
Gambia	Tanzania
Ghana	Uganda
Guinea Bissau	Zimbabwe
Guinea Conakry	
EASTERN MEDITERRANEAN REGION	
Algeria	Qatar
SOUTH EAST ASIA REGION	
Saudi Arabia	Mongolia
Bahreïn	Timor Leste
China	Vanuatu Islands
Kiribati	Vietnam
Kuwait	
EUROPEAN REGION	
Portugal	
OCEANIA REGION	
Nauru	

Source: Central Unit of Collaboration. Information December 31, 2018.

Table 65. Countries participating in comprehensive health care programs by continent. 2018

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
Ethiopia	Swazilandia
Gambia	Tanzania
Guinea Bissau	Zimbabwe
Guinea Conakry	

ASIA	
Kiribati	Nauru
Vanuatu Islands	

Source: Central Unit of Collaboration. Information December 31, 2018.

Table 66. Health care facilities by type. 2018

Facilities	Number
Medical care	
Hospitals	
General	54
Clinical and surgical	27
Pediatric	22
Gynecological and obstetric	13
Maternal and infant care	4
Oncological	3
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	449
Dental clinics	111
Maternal home	131
Blood banks	29
Social service	
Elderly homes	155
Ambulatory elderly homes	293
Disabled homes	30

Table 67. Medical care and social service beds. 1985, 1990-2018

Years	Medical care		Social service*		Total	
	Beds	Beds per 1000 pop.	Beds	Beds per 1000 pop.	Beds	Beds per 1000 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	1.3	60 060	5.4
2016	46 794	4.2	14 247	1.3	61 041	5.4
2017	46 851	4.2	14 374	1.3	61 225	5.4
2018	46 982	4.2	14 822	1.3	61 804	5.5

* Includes beds in institutions of religious and fraternal orders

Source: Records Health Units. Economic. Minsap

SERVICES

Table 68. Medical and dental visits. 1990, 1995-2018

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
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
2017	76 502 454	19 858 698	96 361 152	30 434 195	126 795 347
2018	81 007 349	19 135 618	100 142 967	31 961 257	132 104 224
Visits per inhabitant					
1990	4.5	1.9	6.4	1.4	7.8
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	10.5
2016	6.4	1.6	8.0	2.6	10.6
2017	6.8	1.8	8.6	2.7	11.3
2018	7.2	1.7	8.9	2.8	11.7

Table 69. Pediatric visits by age. 1990-2018

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
2017	5 043 808	40.7	2 617 249	5.2
2018	5 917 581	48.1	2 601 121	5.2

Includes healthy baby visits.

Table 69. Pediatric visits by age groups. 1990-2018. (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
2017	4 052 057	3.4	11 713 114	6.4
2018	4 037 661	3.4	12 556 363	6.9

Includes healthy baby visits.

Table 70. Healthy baby visits by age. 1990-2018

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
2017	1 804 654	14.6	1 453 522	0.8	3 258 176	1.8
2018	1 962 500	16.0	1 536 871	0.9	3 499 371	1.9

Table 71. Selected surgical indicators. 1990-2018

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
2017	1 085 623	539 944	49.7	545 679	50.3
2018	1 159 392	536 318	46.3	623 074	53.7

Table 72. Hospital admissions. 1970, 1975, 1980-2018

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
2017	1 350 959	12.0
2018	1 385 537	12.3

Table 73. Hospital bed occupancy rates by selected medical specialties. 2017-2018

Specialty	2017	2018	2017	2018
	Average length of stay		Occupancy rate	
Medicine except psychiatry	7.2	7.2	76.4	76.1
Psychiatry	79.1	54.4	84.3	84.9
Surgery except pediatric surgery	6.9	6.9	73.6	74.3
Pediatric surgery	4.2	4.4	60.4	61.6
Obstetrics	7.1	7.3	80.5	82.4
Gynecology except abortions	2.9	3.0	72.0	70.6
Pediatric	4.2	4.2	72.7	73.1
Neonatology	7.1	6.9	66.5	63.4
Total	7.8	7.8	75.9	76.0

Specialty	Rotation rate		Substitution interval	
Medicine except psychiatry	38.9	38.8	2.2	2.2
Psychiatry	5.6	5.4	10.3	10.3
Surgery except pediatric surgery	38.8	39.0	2.5	2.4
Pediatric surgery	52.6	51.6	2.7	2.7
Obstetrics	41.6	41.2	1.7	1.6
Gynecology except abortions	91.4	84.8	1.1	1.3
Pediatric	63.4	63.7	1.6	1.5
Neonatology	34.3	33.5	3.6	4.0
Total	35.5	35.6	2.5	2.5

Specialty		Admissions per 100 population		Patient-days per 100 population	
Medicine except psychiatry	(1)	4.6	4.7	32.8	33.8
Psychiatry	(2)	0.2	0.2	19.4	13.5
Surgery except pediatric surgery	(1)	2.5	2.4	17.5	17.2
Pediatric surgery	(3)	1.5	1.5	6.2	6.4
Obstetrics	(4)	10.1	10.3	71.6	74.9
Gynecology except abortions	(5)	1.3	1.3	3.8	4.0
Pediatric	(3)	12.3	13.5	51.5	56.8
Neonatology	(6)	28.9	29.1	204.2	200.8
Total	(2)	12.0	12.3	93.9	96.0

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. 2017-2018

Type of hospital	2017	2018	2017	2018
	Average length of stay		Occupancy rate	
General	6.8	6.8	76.9	77.8
Clinical and surgical	7.6	7.8	77.9	76.1
Gynecological and obstetric	6.7	7.0	78.4	79.9
Mother and child	5.0	4.8	76.3	68.8
Pediatric	4.8	4.9	76.1	77.2

Type of hospital	Rotation rate		Substitution interval	
General	41.5	41.8	2.0	1.9
Clinical and surgical	37.5	35.6	2.2	2.5
Gynecological and obstetric	42.9	41.8	1.8	1.8
Mother and child	55.2	52.5	1.6	2.2
Pediatric	57.7	57.7	1.5	1.4

Type of hospital		Admissions per 100 population		Patient-days per 100 population	
General	(1)	4.6	4.9	30.8	33.3
Clinical and surgical	(1)	2.7	2.3	20.4	18.3
Gynecological and obstetric	(2)	2.4	2.4	15.7	16.9
Mother and child	(3)	0.3	0.4	1.8	2.1
Pediatric	(4)	12.5	10.1	45.9	49.1

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 years and over of age and live births
- (4) Population under 19 years of age.

Table 75. Maternal home admissions. 1975, 1980-2018

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
2017	63 214	55.0
2018	60 344	51.9

Table 76. Residents in elderly home by sex. 2000, 2005-2018

Years	Male	Female	Total
Full-time residents			
2000	5 789	2 523	8 312
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
2017	6 440	2 969	9 409
2018	9 338	3 008	12 346
Residents in day programs *			
2000	2 592	2 288	4 880
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
2017	1 016	731	1 747
2018	2 754	727	3 481
Total			
2000	8 381	4 811	13 192
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
2017	7 456	3 700	11 156
2018	12 092	3 735	15 827

* Excludes grandparents since 2008

HEALTH PERSONNEL TRAINING

Table 77. Health professional graduates by specialty. 1959, 1960, 1965, 1970, 1975-2018

Years	Medicine	Dentistry	Nursing	Health technology	Total
1959	728*	61	-	-	789
1960	-	56	-	-	56
1965	395	115	-	-	510
1970	700	101	-	-	801
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	22 841
2010	4 149	784	7 315	14 069	26 600
2011	5 463	1 132	6 916	11 663	25 591
2012	10 539***	1 654	5 756	10 305	28 745
2013	9 612	2 039	4 960	7 576	24 822
2014	8 509	1 865	3 961	7 550	22 670
2015	8 873	1 215	2 625	3 102	16 082
2016	6 388	1 133	782	703	9 015
2017	6 749	1 902	309	175	9 135
2018	6 442	1 442	162	52	8 098
Total	171 362	28 207	83 175	80 742	366 494

* 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.

Note: The totals includes the Psychology graduates from 2009 to 2016.



CEDISAP

UEB PRODUCCIONES
GRÁFICAS

Infanta # 1259 e/ Manglar y Santa Marta.
Centro Habana. La Habana