

INTRODUCTION

The Medical Records and Health Statistics Bureau of the Cuban Public Health Ministry in cooperation with PAHO/WHO representation in our country presents its nineteenth leaflet entitled.

Health Care Situation in Cuba. Basic indicators. 2014

The aim of this leaflet is to satisfy needs for information by upgrading the knowledge of the Cuban health status and by encouraging the use of statistical information as a powerful tool for the management, research, teaching and communication among different participants in the health care sector at both national and international levels.

The basic indicators of health care situation in Cuba, which were selected for this material, cover 2014.

Basic indicators were grouped in six sections, representing broad areas classified by their essential contents, are set forth.

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

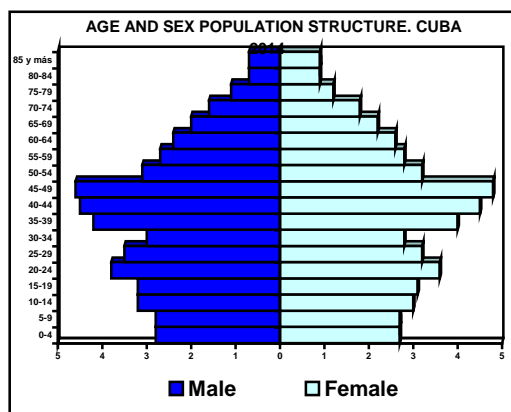
The analysis of this information will allow approaching to the present Cuban realities, understanding, explaining and identifying problems and assessing health care actions.

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

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GENERAL INDICATORS

Mid-year population estimates	11 224 190
Total live births	122 643
Percent of in-hospital live births	99.9
Crude birth rate per 1 000 population	10.9
Crude mortality rate per 1 000 population	8.6
General fertility rate per 1 000 women aged 15-49	43.2
Global fertility rate (children per woman)	1.68
Infant mortality rate per 1 000 live births	4.2
Mortality rate of children under 5 years of age per 1 000 live births	5.7
Perinatal mortality rate	10.6
Infant mortality rate from acute respiratory infections per 1000 live births	0.2
Mortality rate from infectious and parasitic diseases per 100 000 population	11.2
Percent of infectious and parasitic diseases from the total number of deaths	1.3
Maternal death ratio per 100 000 live births	35.1
Direct maternal death ratio per 100 000 live births	21.2
Physicians per 10 000 population	76.6
Dentists per 10 000 population	14.9
Number of family physicians	42 062
Nursing personnel per 10 000 population	81.3
Medical care beds per 1 000 population	4.1
Social service beds per 1 000 population	1.2
Population's percentage with improved source of water to drink. MICS Survey 5 Cuba 2014	94.2
Health budget spending (Cuban pesos)	5 951 622 700
Health expenses per inhabitant (Cuban pesos)	533.11
Percent of urban population	76.8
Population density (inh/km ²)	102.1
Literacy rate (%)	99.8
Average educational level of the population	10 th grado



MUNICIPALITIES BY PROVINCE			
TOTAL: 168			
Pinar del Río	11	Ciego de Ávila	10
Artemisa	11	Camagüey	13
La Habana	15	Las Tunas	8
Mayabeque	11	Holguín	14
Matanzas	13	Granma	13
Villa Clara	13	Santiago de Cuba	9
Cienfuegos	8	Guantánamo	10
Sancti Spíritus	8	Isla de la Juventud	1

Source: Demographic Information System. ONEI



DEMOGRAPHIC INDICATORS

Province	Mid-year population estimates (thousands)			Number of births	Crude birth rate (1 000 pop.)	In-hospital live births	
	Total	Male	Female			No.	%
Pinar del Río	589	299	290	6 480	11.0	6 478	100.0
Artemisa	500	252	248	5 714	11.4	5 705	99.8
La Habana	2 120	1 015	1 105	19 176	9.1	19 148	99.9
Mayabeque	379	192	187	4 009	10.5	4 005	99.9
Matanzas	701	351	350	7 325	10.5	7 320	99.9
Villa Clara	792	397	395	7 825	9.9	7 817	99.9
Cienfuegos	406	206	200	4 266	10.5	4 258	99.8
Sancti Spiritus	466	235	231	5 093	10.9	5 089	99.9
Ciego de Ávila	430	217	212	4 711	11.0	4 709	100.0
Camagüey	774	388	386	8 301	10.7	8 285	99.8
Las Tunas	536	272	264	6 355	11.9	6 338	99.7
Holguín	1 038	523	515	11 137	10.7	11 124	99.9
Granma	837	423	414	10 428	12.4	10 420	99.9
Santiago de Cuba	1 056	524	531	13 825	13.1	13 820	100.0
Guantánamo	516	257	259	7 000	13.5	6 991	99.9
Isla de la Juventud	85	43	42	998	11.7	998	100.0
Total	11 224	5 595	5 629	122 643	10.9	122 505	99.9

Province	Number of deaths	Crude mortality rate (1 000 pop.)	Population density (pop/ km ²)	% of population of 60 years and over
Pinar del Río	4 736	8.1	66.3	19.5
Artemisa	4 022	8.3	124.6	16.9
La Habana	22 063	10.2	2 910.5	20.5
Mayabeque	3 544	9.5	102.1	19.3
Matanzas	6 363	9.1	59.3	19.4
Villa Clara	7 864	10.0	94.2	22.6
Cienfuegos	3 479	8.7	97.0	18.9
Sancti Spiritus	4 453	9.6	68.7	20.4
Ciego de Ávila	3 502	8.2	61.8	18.0
Camagüey	6 434	8.4	50.2	19.0
Las Tunas	3 861	7.3	81.3	18.1
Holguín	7 993	7.8	112.8	18.6
Granma	6 055	7.3	100.0	17.4
Santiago de Cuba	7 928	7.5	169.3	17.5
Guantánamo	3 446	6.8	83.9	16.3
Isla de la Juventud	585	6.9	35.1	16.4
Total	96 328	8.6	102.1	19.0

DEMOGRAPHIC INDICATORS

Province	Mid-year population estimates (thousands)							
	<1 year	1-4 years	5-9 years	10-14 years	15-19 years	20-49 years	50-59 years	60 years and over
Pinar del Río	6	26	31	38	38	257	80	114
Artemisa	6	23	26	32	35	228	67	84
La Habana	19	82	98	121	130	926	312	432
Mayabeque	4	16	19	22	24	170	51	73
Matanzas	7	30	33	40	46	315	94	135
Villa Clara	8	32	37	45	49	337	107	178
Cienfuegos	4	18	21	24	26	181	55	76
Sancti Spiritus	5	20	23	27	28	206	62	94
Ciego de Ávila	5	20	22	26	26	199	55	76
Camagüey	8	36	39	47	45	348	105	145
Las Tunas	6	26	28	32	33	245	70	96
Holguín	11	49	59	65	63	466	134	191
Granma	10	41	46	55	53	378	108	144
Santiago de Cuba	14	55	60	67	65	478	134	183
Guantánamo	7	28	31	36	36	230	63	83
Isla de la Juventud	1	4	5	5	5	39	11	14
Total	122	506	578	684	704	5 003	1 508	2 118

MORTALITY INDICATORS

Leading causes of death for all ages

Cause (ICD-10)	Rate				RR	YPLL
	Adjusted	Crude	Male	Female		
Malignant neoplasms (C00 - C97)	122.4	212.6	244.3	180.9	1.4	18.2
Heart diseases (I05 - I52)	109.3	211.6	224.0	199.3	1.1	10.9
Cerebrovascular diseases (I60-I69)	42.3	82.9	83.6	82.3	1.0	3.7
Influenza and pneumonia (J09 - J18)	26.6	56.3	58.7	53.8	1.1	1.7
Unintentional injuries (V01-X59, Y85-Y86)	26.5	47.0	50.9	43.2	1.2	5.2
Chronic lower respiratory diseases (J40-J47)	19.0	35.3	37.7	32.9	1.1	1.7
Diseases of arteries, arterioles and capillaries (I70-I79)	12.4	26.2	27.1	25.2	1.1	0.7
Diabetes mellitus (E10 - E14)	11.2	19.8	15.6	24.0	0.7	1.4
Intentional self-harm (X60-X84, Y870)	8.8	12.8	20.4	5.2	3.9	2.8
Chronic liver diseases and cirrhosis (K70, K73, K74, K760, K761)	7.7	12.7	19.3	6.2	3.1	1.9

Rate per 100 000 population

RR: Male/Female rate ratio

YPLL: Years of potential life lost per 1000 inhabitants aged 1-74 years

MORTALITY INDICATORS

Province	Infant mortality rate per 1 000 live births	Mortality rate of under 7 days-old infants (early neonatal) (1 000 live births)	Mortality rate of 7-27 days- old infants (late neonatal) (1 000 live births)	Mortality rate of infants aged 28 days-11 months (postneonatal) (1 000 live births)	Under five mortality rate (1 000 live births)	Maternal death ratio per 100 000 live births	Direct maternal death ratio per 100 000 live births
Pinar del Río	3.1	1.2	0.5	1.4	4.5	15.4	-
Artemisa	6.1	2.3	1.6	2.3	7.4	17.5	17.5
La Habana	4.1	1.6	0.9	1.6	6.0	26.1	20.9
Mayabeque	4.2	2.5	0.5	1.2	5.7	-	-
Matanzas	5.2	2.7	0.4	2.0	6.0	13.7	13.7
Villa Clara	3.2	0.9	0.3	2.0	4.2	38.3	25.6
Cienfuegos	3.0	1.2	1.2	0.7	4.5	46.9	46.9
Sancti Spíritus	3.5	1.0	0.8	1.8	4.3	19.6	-
Ciego de Ávila	6.2	1.7	2.1	2.3	7.0	42.5	21.2
Camagüey	4.7	1.2	0.7	2.8	5.9	60.2	48.2
Las Tunas	4.6	1.6	1.4	1.6	5.8	47.2	15.7
Holguín	3.4	1.3	0.8	1.3	4.9	44.9	26.9
Granma	4.8	1.4	0.6	2.8	6.7	28.8	9.6
Santiago de Cuba	3.8	0.9	1.0	1.9	5.7	57.9	28.9
Guantánamo	4.1	1.9	0.4	1.9	6.1	42.9	28.6
Isla de la Juventud	3.0	1.0	-	2.0	4.0	-	-
Total	4.2	1.5	0.8	1.9	5.7	35.1	21.2

Province	Mortality rate per 100 000 population						
	Malignant neoplasms	Heart disease	Cerebro-vascular disease	Influenza and pneumonia	Unintentional injuries	Diabetes mellitus	Intentional self-harm
Pinar del Río	185.2	197.5	78.7	48.5	30.7	10.8	12.8
Artemisa	202.1	173.6	73.3	83.1	41.0	21.3	11.7
La Habana	251.5	264.5	99.0	54.1	56.2	31.9	8.4
Mayabeque	210.7	234.4	99.7	76.8	57.1	26.1	13.5
Matanzas	232.3	251.7	76.3	73.6	39.4	11.6	15.8
Villa Clara	224.2	218.1	80.4	88.9	55.3	18.8	16.5
Cienfuegos	226.8	226.8	80.6	60.4	50.7	20.7	13.2
Sancti Spíritus	226.8	204.1	85.5	63.0	56.7	18.0	15.4
Ciego de Ávila	203.6	186.2	70.2	58.9	46.6	22.4	11.3
Camagüey	209.9	201.2	79.1	55.7	46.6	17.2	15.1
Las Tunas	214.0	194.4	60.3	31.8	42.0	17.5	20.2
Holguín	195.8	183.2	71.6	46.3	52.0	12.1	18.5
Granma	187.7	190.3	76.9	54.5	30.6	14.6	12.0
Santiago de Cuba	178.9	180.2	96.7	43.2	46.4	19.9	9.2
Guantánamo	176.6	176.2	76.4	25.3	38.7	13.8	7.1
Isla de la Juventud	205.3	148.3	61.7	48.7	30.9	24.9	14.2
Total	212.6	211.6	82.9	56.3	47.0	19.8	12.8

MORTALITY INDICATORS

Province	Mortality rate from infectious intestinal diseases of children under 5 years of age (1 000 live births. (A00 – A09)	Mortality rate from acute respiratory diseases of children under 5 years of age (1 000 live births) (J00-J22)	Crude mortality rate from tuberculosis (100 000 pop.) (A15 - A19)	Mortality rate from communicable diseases by age group. (A00 - B99, G00 - G03, J00 - J22) (Infant under 1 year of age, rate per 1 000 live births. 1-4 age, rate per 10 000 pop., and the rest of age groups, rate per 100 000 pop.)						
				< 1	1 – 4	5 – 14	15 – 44	45 – 64	65 and over	Total
Pinar del Río	0.2	0.5	0.2	0.3	1.2	2.8	4.4	30.8	418.3	65.4
Artemisa	0.2	0.2	-	0.5	1.4	3.3	7.3	35.4	685.2	94.2
La Habana	0.1	0.7	0.5	0.6	1.2	0.4	13.8	47.5	364.7	74.5
Mayabeque	0.2	0.2	0.5	0.5	0.7	-	11.7	40.0	539.2	90.0
Matanzas	-	0.3	0.1	0.7	0.4	1.3	3.6	34.9	546.3	84.2
Villa Clara	-	0.5	0.6	0.5	0.7	-	6.2	30.3	562.5	101.8
Cienfuegos	-	0.2	0.5	0.2	1.2	-	4.0	34.0	453.5	71.1
Sancti Spíritus	-	-	0.4	0.2	-	-	4.0	39.7	455.6	77.9
Ciego de Ávila	-	0.2	1.2	0.4	-	-	5.7	46.0	461.6	70.9
Camagüey	0.2	0.4	-	0.7	0.9	2.3	6.0	27.4	438.8	67.2
Las Tunas	-	-	-	-	-	1.6	6.8	20.8	281.6	41.7
Holguín	-	0.3	0.3	0.3	1.0	1.6	6.7	21.8	366.2	55.1
Granma	-	0.3	-	0.9	1.0	-	4.8	35.1	426.0	61.9
Santiago de Cuba	0.2	0.7	-	0.9	1.7	1.5	6.2	23.9	357.8	52.6
Guantánamo	0.1	0.0	0.6	0.4	0.4	2.9	5.2	27.1	237.4	35.0
Isla de la Juventud	-	1.0	-	1.0	-	-	13.0	31.3	569.0	68.8
Total	0.1	0.4	0.3	0.5	0.9	1.1	7.4	34.1	426.8	69.1

Mortality rates by six broad cause groups by age

Cause (ICD-10)	Age groups					Total
	0 – 4	5 – 14	15 – 39	40 – 64	65 and over	
Diseases of the circulatory system (I00 - I99)	4.2	1.3	7.2	152.5	2 044.9	324.2
Neoplasms (C00 - D48)	7.8	4.0	11.3	185.1	1 128.2	217.7
Communicable diseases (A00 - B99, G00 - G03, J00-J22)	17.7	1.1	6.3	28.3	426.8	69.1
External causes of injury and poisoning (V01 - Y89)	9.8	6.3	28.1	51.5	301.2	68.5
Certain condition originating in perinatal period (P00-P96)	41.8	0.3	0.2	0.2	0.1	2.5
Other causes (D50-F99, G04-H95, J30-O99, Q00-R99)	32.0	5.4	14.9	108.8	1 030.3	180.8
Total	113.4	18.4	67.8	526.4	4 931.5	862.8

Rate per 100 000 population

MORBIDITY INDICATORS

Province	Percent of low birth weight	Notified cases of tuberculosis and rate per 100 000 pop.		Notified cases of herpes zoster and rate per 100 000 pop.		Notified cases of viral hepatitis and rate per 100 000 pop.		Notified cases of chickenpox and rate per 100 000 pop.		Notified cases of meningococcal meningitis and rate per 100 000 population	
	%	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pinar del Río	4.7	41	7.0	252	43.0	31	5.3	681	116.3	-	-
Artemisa	5.8	12	2.5	381	78.2	26	5.3	557	114.3	-	-
La Habana	5.7	196	9.1	1 620	75.2	138	6.4	2 662	123.6	6	0.3
Mayabeque	5.4	31	8.4	364	98.1	10	2.7	464	125.0	2	0.5
Matanzas	5.5	11	1.6	583	83.6	19	2.7	547	78.4	1	0.1
Villa Clara	4.2	64	8.2	944	120.5	18	2.3	1 038	132.4	-	-
Cienfuegos	5.0	30	7.5	467	116.5	4	1.0	411	102.6	2	0.5
Sancti Spíritus	5.0	22	4.8	354	76.6	10	2.2	529	114.5	-	-
Ciego de Ávila	4.8	54	12.7	274	64.5	20	4.7	611	143.8	-	-
Camagüey	4.3	32	4.2	429	55.8	10	1.3	835	108.7	-	-
Las Tunas	5.6	34	6.5	589	112.0	16	3.0	600	114.1	-	-
Holguín	5.5	45	4.4	314	30.6	31	3.0	938	91.3	-	-
Granma	5.3	63	7.6	566	68.1	17	2.0	596	71.8	-	-
Santiago de Cuba	6.1	30	2.8	791	75.1	38	3.6	1 432	135.9	-	-
Guantánamo	5.2	12	2.4	247	48.8	8	1.6	601	118.7	-	-
Isla de la Juventud	5.4	6	7.1	81	96.1	-	-	198	235.0	-	-
Total	5.3	683	6.1	8 256	74.0	396	3.5	12 700	113.8	11	0.1

Province	Notified cases of syphilis and rate per 100 000 pop.		Notified cases of blenorragia and rate per 100 000 pop.		Prevalence of leprosy and rate per 10 000 pop.		Consultations of acute diarrheal diseases and rate per 1 000 pop.		Consultations of acute respiratory disease and rate per 1 000 pop.	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Pinar del Río	180	30.7	122	20.8	5	0.1	17 594	30.1	416 981	712.2
Artemisa	136	27.9	182	37.3	8	0.2	20 144	41.3	321 124	658.9
La Habana	1 214	56.3	1 852	86.0	30	0.1	76 222	35.4	1 289 123	598.4
Mayabeque	90	24.2	97	26.1	4	0.1	14 926	40.2	238 110	641.5
Matanzas	260	37.3	167	23.9	4	0.1	23 798	34.1	477 780	685.2
Villa Clara	352	44.9	191	24.4	5	0.1	52 602	67.1	564 922	720.8
Cienfuegos	147	36.7	157	39.2	9	0.2	18 777	46.9	189 897	473.8
Sancti Spíritus	186	40.2	84	18.2	8	0.2	28 342	61.3	281 956	610.1
Ciego de Ávila	183	43.1	149	35.1	13	0.3	11 311	26.6	257 603	606.5
Camagüey	200	26.0	185	24.1	22	0.3	36 607	47.6	427 247	556.1
Las Tunas	129	24.5	228	43.4	10	0.2	20 109	38.2	234 996	447.0
Holguín	210	20.4	185	18.0	15	0.1	32 872	32.0	497 238	483.8
Granma	217	26.1	160	19.3	50	0.6	33 275	40.1	366 042	440.7
Santiago de Cuba	393	37.3	152	14.4	27	0.3	44 018	41.8	478 994	454.5
Guantánamo	144	28.4	145	28.6	19	0.4	12 675	25.0	216 955	428.5
Isla de la Juventud	5	5.9	60	71.2	3	0.4	3 959	47.0	51 920	616.2
Total	4 046	36.2	4 116	36.9	232	0.2	447 231	40.1	6 310 888	565.3

INDICATORS OF RESOURCES, SERVICES AND COVERAGE

Province	National health care personnel	Physicians		Dentists		Family physicians in the community		Nurses per 10 000 pop.	Nurses graduated from the University (Bachelor in nursery)	Medicine graduates
		Number	Inhabitants per physician	Number	Inhabitants per dentist	Number	Percent of population cared by family physicians			
Pinar del Río	26 443	4 680	125	835	701	684	100.0	98.6	4 307	554
Artemisa	16 680	2 624	186	452	1 078	517	100.0	72.2	2 373	149
La Habana	100 959	20 342	106	3 640	592	2 409	100.0	71.3	8 831	1 732
Mayabeque	12 889	1 943	191	417	890	411	100.0	75.6	1 868	106
Matanzas	27 387	4 262	164	975	715	754	100.0	64.0	2 638	351
Villa Clara	35 966	6 120	128	1 236	634	986	100.0	82.7	4 599	958
Cienfuegos	18 310	3 054	131	579	692	446	100.0	77.0	2 331	300
Sancti Spiritus	21 830	3 515	131	716	645	540	100.0	78.4	2 758	318
Ciego de Ávila	17 697	3 049	139	593	716	472	100.0	77.6	2 717	442
Camagüey	33 773	5 330	144	1 103	697	784	100.0	76.5	4 466	648
Las Tunas	22 922	3 440	153	656	801	615	100.0	84.1	3 600	325
Holguín	39 891	7 123	144	1 236	831	1 243	100.0	74.4	5 640	646
Granma	40 164	6 268	133	1 307	636	957	100.0	109.5	7 201	513
Santiago de Cuba	52 563	8 884	119	1 924	548	1 274	100.0	82.0	5 815	1 097
Guantánamo	28 735	4 367	116	774	654	664	100.0	115.5	4 532	331
Isla de la Juventud	4 085	562	150	187	451	86	100.0	96.0	565	39
Total	500 294	85 563	130	16 630	671	12 842	100.0	81.3	64 241	8 509

Province	Dentistry graduates	Graduates as bachelor in nursery	Number of hospitals	Number of polyclinics	Number of dental clinics	Inhabitant per bed	Medical visits per inhabitant	Dental visits per inhabitant	Admissions per 100 inhabitants	Medical schools	Medical science information centers
Pinar del Río	75	259	5	20	8	239	8.2	2.2	12.1	1	33
Artemisa	35	108	4	20	8	365	6.2	1.6	7.1	1	28
La Habana	398	222	35	82	21	123	8.3	2.4	13.2	9	155
Mayabeque	28	45	4	20	11	253	5.5	1.8	5.4	1	27
Matanzas	97	145	10	28	6	246	6.9	2.1	10.4	1	58
Villa Clara	191	330	13	37	9	191	8.4	3.0	11.4	1	56
Cienfuegos	78	11	3	20	5	279	6.5	2.5	9.9	1	29
Sancti Spiritus	51	120	8	23	7	184	7.7	2.3	11.5	1	35
Ciego de Ávila	85	44	3	19	4	217	6.8	2.1	9.4	1	27
Camagüey	127	186	13	32	10	190	6.0	1.9	13.4	1	45
Las Tunas	61	211	6	14	3	211	6.7	2.1	12.8	1	26
Holguín	134	326	15	43	8	220	8.0	2.3	13.3	1	63
Granma	153	656	10	28	3	258	6.9	2.7	10.5	1	42
Santiago de Cuba	259	593	18	42	4	178	7.8	2.6	12.1	2	66
Guantánamo	70	677	4	20	3	192	6.6	2.6	14.6	1	35
Isla de la Juventud	23	28	1	3	1	196	8.8	2.5	11.8	-	7
Total	1 865	3 961	152	451	111	189	7.4	2.3	11.7	24	732

FURTHER NOTES

COMMENTS ON SOME INDICATORS

Mid-year population estimates: It is obtained by semi sum at the beginning and at the end of the year. Small differences can be obtained in the total according to sex and age.

General fertility rate: Number of live births per every 1 000 women aged 15-49 years.

Global fertility rate: Average number of live births per each woman in her fertile period (15-49 years) according to the specific fertility rates per each age group.

Mortality rate in children under 5 years of age (MRCU5): Ratio of the number of deaths in children under 5 years of age during a given year and the number of live births in that year. The figure is multiplied by 1 000.

Maternal death ratio: Ratio of the number of maternal deaths (direct and indirect) and the number of live births in a given year.

Prevalence of a disease: Total number of sick subjects suffering from some affection in a given period. It is expressed by dividing the mentioned figure by the total population in that period.

Years of potential life lost: It allows to compare the relative importance of different death causes for a population and gives how many years a person fails to live because of certain death causes.

Rate ratio per sex: It is obtained by dividing male rate by female rate or viceversa. In case of mortality rate, it expresses the overmortality of one sex against the other, which is higher as it exceeds 1.

Index of low birth rate: Percent of live births with a weight under 2 500 grams

Adjusted rates: Rates are adjusted by a direct method and the model population was that of 1981 census in Cuba.

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DATA SOURCES

The indicators shown in this leaflet have been compound by the National Health Statistic Direction of the Cuban Public Health Ministry. The largest volume of statistical information comes from the Statistical Information System of the health sector, which gathen data from its corresponding departments in municipal, provincial, and national health care facilities. Professionals and highly- skilled technicians specialized in health statistics, as well as other experts in information sciences participate in statistical information service.

OTHER SOURCES OF INFORMATION:

- q National Demographic Statistical System
- q Health Professional Registry
- q Administrative Registries. Ministry of Public Health

Data collection of this document is mainly based on the continuous registration method with nationwide coverage. Sanitation and water supply data come from systematic studies.

Symbols:

- Magnitude zero
- 0.0 Rate under 0.05

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