International Agency for Research on Cancer



Cancer in Central and South America

SURINAME

This country profile for the Cancer in Central and South America project provides, for each participating cancer registry tables and graphics showing numbers of cases and rates by year, sex and age group for major sites of cancer together with a population pyramid. A country summary is also provided based on aggregated registry data and national mortality data from the WHO mortality database: (http://www.who.int/healthinfo/statistics/mortality_rawdata/en/index.html)

Citation of any of these data should be in the following format:

"Sierra MS, Abriata MG, Barrios E, Bravo LE, Cueva P, Fernandez L, Pineros M, Rebelo M, de Vries E, Forman D. Editors on behalf of the Cancer in Central and South America Working Group (2016). Cancer in Central and South America. Lyon: International Agency for Research on Cancer. Available from: http://www-dep.iarc.fr/CSU resources.htm accessed [date]."

Country's Summary Tables and Figures

SURINAME^{1,2} (2003-2007)

¹ No incidence data available

National mortality data obtained from the WHO mortality database: http://www.who.int/healthinfo/statistics/mortality_rawdata/en/index.html

SURINAME (2003-2007) Number of Deaths in Major Diagnosis Groups per Calendar Year

			YEAR			
SITE	2003 n (%)	2004 n (%)	2005 n (%)	2006 n (%)	2007 n (%)	TOTAL n (%)
MALES						
Lip, oral cavity, and pharynx (C00-C14)	5 (3.2)	2 (1.3)	3 (1.9)	4 (2.3)	3 (1.9)	17 (2.1)
Digestive organs (C15-C26)	65 (41.9)	58 (37.9)	59 (38.1)	56 (32.4)	49 (30.2)	287 (36.0)
Respiratory organs (C30-C39)	28 (18.1)	27 (17.6)	25 (16.1)	27 (15.6)	29 (17.9)	136 (17.0)
Bone, cartilage, and skin (C40-C44)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.6)	2 (1.2)	3 (0.4)
Male genitalia (C60-C63)	28 (18.1)	31 (20.3)	34 (21.9)	49 (28.3)	33 (20.4)	175 (21.9)
Urinary organs (C64-C68)	2 (1.3)	1 (0.7)	8 (5.2)	8 (4.6)	7 (4.3)	26 (3.3)
Eye, brain, and thyroid (C69-C75)	4 (2.6)	4 (2.6)	6 (3.9)	7 (4.0)	7 (4.3)	28 (3.5)
Hematopoietic (C81-C96)	15 (9.7)	15 (9.8)	12 (7.7)	16 (9.2)	14 (8.6)	72 (9.0)
All sites	155 (100.0)	153 (100.0)	155 (100.0)	173 (100.0)	162 (100.0)	798 (100.0)
FEMALES						
Lip, oral cavity, and pharynx (C00-C14)	0 (0.0)	1 (0.6)	3 (2.2)	2 (1.2)	1 (0.7)	7 (0.9)
Digestive organs (C15-C26)	44 (29.5)	45 (28.7)	46 (34.1)	46 (28.0)	38 (25.7)	219 (29.1)
Respiratory organs (C30-C39)	10 (6.7)	9 (5.7)	12 (8.9)	17 (10.4)	14 (9.5)	62 (8.2)
Bone, cartilage, and skin (C40-C44)	1 (0.7)	0 (0.0)	0 (0.0)	1 (0.6)	0 (0.0)	2 (0.3)
Breast (C50)	20 (13.4)	23 (14.6)	26 (19.3)	22 (13.4)	24 (16.2)	115 (15.3)
Female genitalia (C51-C58)	47 (31.5)	44 (28.0)	24 (17.8)	41 (25.0)	31 (20.9)	187 (24.8)
Urinary organs (C64-C68)	1 (0.7)	6 (3.8)	1 (0.7)	1 (0.6)	0 (0.0)	9 (1.2)
Eye, brain, and thyroid (C69-C75)	7 (4.7)	10 (6.4)	6 (4.4)	14 (8.5)	10 (6.8)	47 (6.2)
Hematopoietic (C81-C96)	13 (8.7)	7 (4.5)	11 (8.1)	12 (7.3)	9 (6.1)	52 (6.9)
All sites	149 (100.0)	157 (100.0)	135 (100.0)	164 (100.0)	148 (100.0)	753 (100.0)
BOTH SEXES						
Lip, oral cavity, and pharynx (C00-C14)	5 (1.6)	3 (1.0)	6 (2.1)	6 (1.8)	4 (1.3)	24 (1.5)
Digestive organs (C15-C26)	109 (35.9)	103 (33.2)	105 (36.2)	102 (30.3)	87 (28.1)	506 (32.6)
Respiratory organs (C30-C39)	38 (12.5)	36 (11.6)	37 (12.8)	44 (13.1)	43 (13.9)	198 (12.8)
Bone, cartilage, and skin (C40-C44)	1 (0.3)	0 (0.0)	0 (0.0)	2 (0.6)	2 (0.6)	5 (0.3)
Urinary organs (C64-C68)	3 (1.0)	7 (2.3)	9 (3.1)	9 (2.7)	7 (2.3)	35 (2.3)
Eye, brain, and thyroid (C69-C75)	11 (3.6)	14 (4.5)	12 (4.1)	21 (6.2)	17 (5.5)	75 (4.8)
Hematopoietic (C81-C96)	28 (9.2)	22 (7.1)	23 (7.9)	28 (8.3)	23 (7.4)	124 (8.0)
All sites	304 (100.0)	310 (100.0)	290 (100.0)	337 (100.0)	310 (100.0)	1551 (100.0)

SURINAME (2003-2007) Age Standardized Mortality Rate (World Population) per 100,000 in Major Diagnosis Groups per Calendar Year

			YEAR			
SITE	2003 ASMR (%)	2004 ASMR (%)	2005 ASMR (%)	2006 ASMR (%)	2007 ASMR (%)	TOTAL ASMR (%)
MALES						
Lip, oral cavity, and pharynx (C00-C14)	2.7 (3.3)	1.1 (1.5)	1.6 (2.0)	2.1 (2.5)	1.3 (1.6)	1.8 (2.2)
Digestive organs (C15-C26)	35.5 (43.0)	30.4 (38.9)	30.6 (38.7)	28.1 (33.0)	23.7 (30.6)	29.6 (36.7)
Respiratory organs (C30-C39)	14.9 (18.1)	13.7 (17.6)	13.1 (16.6)	13.9 (16.3)	13.7 (17.7)	13.9 (17.2)
Bone, cartilage, and skin (C40-C44)	0.0 (0.0)	0.0 (0.0)	0.0 (0.0)	0.5 (0.6)	1.2 (1.5)	0.3 (0.4)
Male genitalia (C60-C63)	14.9 (18.1)	16.1 (20.7)	17.2 (21.8)	24.4 (28.7)	15.6 (20.1)	17.7 (22.0)
Urinary organs (C64-C68)	1.1 (1.4)	0.5 (0.7)	4.1 (5.2)	4.1 (4.8)	3.1 (4.0)	2.6 (3.3)
Eye, brain, and thyroid (C69-C75)	2.2 (2.7)	1.9 (2.5)	2.6 (3.3)	3.1 (3.7)	3.4 (4.3)	2.7 (3.3)
Hematopoietic (C81-C96)	7.8 (9.4)	7.0 (9.0)	5.8 (7.3)	6.9 (8.1)	6.9 (8.9)	6.8 (8.5)
All sites	82.5 (100.0)	78.1 (100.0)	79.0 (100.0)	85.2 (100.0)	77.5 (100.0)	80.5 (100.0)
FEMALES						
Lip, oral cavity, and pharynx (C00-C14)	0.0 (0.0)	0.3 (0.5)	1.2 (2.1)	0.6 (1.0)	0.4 (0.7)	0.5 (0.8)
Digestive organs (C15-C26)	19.7 (29.7)	19.4 (28.8)	19.8 (34.3)	18.3 (27.7)	14.6 (25.2)	18.3 (29.1)
Respiratory organs (C30-C39)	4.6 (6.9)	3.8 (5.7)	5.1 (8.8)	7.0 (10.7)	5.0 (8.7)	5.1 (8.1)
Bone, cartilage, and skin (C40-C44)	0.4 (0.6)	0.0 (0.0)	0.0 (0.0)	0.3 (0.5)	0.0 (0.0)	0.1 (0.2)
Breast (C50)	8.6 (13.0)	10.1 (15.0)	11.2 (19.4)	8.4 (12.8)	10.0 (17.3)	9.7 (15.4)
Female genitalia (C51-C58)	20.5 (31.0)	19.6 (29.1)	10.9 (18.8)	17.0 (25.9)	11.7 (20.2)	15.8 (25.1)
Urinary organs (C64-C68)	0.4 (0.5)	2.6 (3.9)	0.4 (0.8)	0.5 (0.7)	0.0 (0.0)	0.8 (1.2)
Eye, brain, and thyroid (C69-C75)	3.1 (4.7)	3.7 (5.4)	2.5 (4.3)	5.8 (8.8)	4.1 (7.0)	3.8 (6.1)
Hematopoietic (C81-C96)	5.9 (8.9)	3.0 (4.5)	4.3 (7.4)	4.9 (7.4)	3.4 (5.9)	4.3 (6.8)
All sites	66.1 (100.0)	67.4 (100.0)	57.9 (100.0)	65.9 (100.0)	58.0 (100.0)	63.0 (100.0)
BOTH SEXES						
Lip, oral cavity, and pharynx (C00-C14)	1.3 (1.7)	0.7 (0.9)	1.4 (2.2)	1.4 (1.9)	0.8 (1.2)	1.1 (1.6)
Digestive organs (C15-C26)	26.8 (36.9)	24.2 (33.9)	24.5 (37.1)	22.5 (30.6)	18.7 (28.4)	23.3 (33.3)
Respiratory organs (C30-C39)	9.2 (12.7)	8.3 (11.6)	8.7 (13.2)	10.1 (13.7)	8.9 (13.6)	9.1 (13.0)
Bone, cartilage, and skin (C40-C44)	0.2 (0.2)	0.0 (0.0)	0.0 (0.0)	0.4 (0.6)	0.5 (0.8)	0.2 (0.3)
Urinary organs (C64-C68)	0.7 (1.0)	1.6 (2.3)	2.1 (3.1)	2.1 (2.8)	1.4 (2.1)	1.6 (2.3)
Eye, brain, and thyroid (C69-C75)	2.7 (3.7)	2.9 (4.1)	2.6 (4.0)	4.5 (6.2)	3.7 (5.6)	3.3 (4.7)
Hematopoietic (C81-C96)	6.8 (9.3)	4.9 (6.8)	5.0 (7.5)	5.8 (8.0)	5.0 (7.5)	5.5 (7.8)
All sites	72.7 (100.0)	71.5 (100.0)	66.2 (100.0)	73.3 (100.0)	65.7 (100.0)	69.8 (100.0)

SURINAME (2003-2007) Mortality per 100,000 by Age Group (years) Males

SITE	ALL DEATHS	UNK	0-4	6-9	10-14	15-19	20-24 2	25-29 30	30-34 36	35-39 4	40-44 4	45-49	50-54	55-59	60-64	69-59	70-74) +92	CRUDE RATE	ASMR (W)	CUM. RATE F (0-74)†	Rank‡	ICD10
Lip, oral cavity, & pharynx (C00-14)	17	0				-			1.0		2.2		5.9		15.7	11.5	10.3	8.4	4:1	1.8	0.2	10 0	C00-14
Oesophagus (C15)	18	0	٠		٠		·	·	·			1.5		9.7	9.4	15.3	15.5	19.3	1.4	1.9	0.2	6	C15
Stomach (C16)	49	0							1.0		2.2	5.8	8.6	5.1	15.7	34.5	25.8	77.2	3.9	2.0	0.5	4	C16
Colon (C18)	25	0	٠	8.0	٠		·	·	·	1.0	2.2	1.5	3.9	9.7	25.1	23.0	46.5	91.7	4.2	5.3	9.0	J	C18
Rectum (C19-C20)	0	0																	0.0	0:0	0.0	J	C19-C20
Colorectal (C18-20)	0	0			٠			·	·										0.0	0:0	0.0	22 (C18-20
Rectum and anus (C19-21)	7	0										1.5			6.3	11.5	5.2		9.0	8.0	0.1	J	219-21
Colon, rectum and anus (C18-21)	29	0	٠	8.0	٠			·		1.0	2.2	2.9	3.9	9.7	31.3	34.5	51.6	91.7	4.7	6.1	0.7	J	218-21
Liver (C22)	29	0		8.0		8.0	6.0		1.0	2.1	1.1	1.5	5.9	20.4	15.7	49.9	82.6	53.1	5.1	6.5	6.0	3	C22
Gallbladder (C23-24)	2	0			٠			·	·						3.1		5.2		0.2	0.2	0.0		323-24
Pancreas (C25)	35	0					6:0				1.1	1.5	6.7	9.7	12.5	19.2	51.6	29.0	2.8	3.6	0.5		225
Nose, sinuses (C30-31)	0	0					·	·			·								0.0	0.0	0.0	22 (330-31
Larynx (C32)	10	0											3.9		3.1	7.7	10.3	14.5	8.0	1.0	0.1		332
Lung, trachea and bronchus (C33-34)	126	0	٠		٠		·	1.0	·	2.1	7.7	7.3	13.8	33.1	50.1	61.4	118.7	173.7	10.1	12.8	1.5	2	33-34
Melanoma of skin (C43)	3	0													3.1	3.8	5.2		0.2	0.3	0.1		243
Mesothelioma (C45)	0	0	٠		٠		·	·	·						٠		·		0.0	0:0	0.0	22 (245
Kaposi sarcoma (C46)	0	0																	0.0	0:0	0.0		246
Breast (C50)	0	0			٠		·	·	·		·		٠		٠				0.0	0:0	0.0		250
Penis (C60)	0	0																	0.0	0:0	0.0		090
Prostate (C61)	170	0	٠		٠		٠	·	·	1.0	٠	4.4	3.9	15.3	40.7	72.9	129.1	487.4	13.6	17.3	1.3		C61
Testis (C62)	2	0					6.0	1.0	1.0								10.3		4.0	0.4	0.1		362
Kidney (C64)	10	0	٠		٠		·	1.0	1.0	1.0					6.3	7.7	5.2	9.7	8.0	1.0	0.1	14	564
Bladder (C67)	16	0												2.5		15.3	31.0	24.1	1.3	1.7	0.2		292
Brain, CNS (C70-72)	28	0	1.5	8.0	1.7		·	·	·		3.3		13.8	12.7	9.4		5.2	19.3	2.2	2.7	0.2		C70-72
Thyroid (C73)	0	0		٠												٠			0.0	0:0	0:0	22 (C73
Hodgkin disease (C81)	9	0			٠					1.0		1.5	3.9	2.5	3.1				0.5	9.0	0.1		C81
Non-Hodgkin lymphoma (C82-85,C96)	22	0	8.0	8.0		8:0		1.0	1.0	2.1	2.2	4.4	2.0	9.7	6.3	3.8	5.5	9.7	1.8	2.0	0.2	8	C82-85, C96
Multiple myeloma (C88+C90)	15	0			٠			·			·		2.0	2.5	9.4	19.2	5.2	19.3	1.2	1.6	0.2	12	C88+C90
Lymphoid leukaemia (C91)	0	0														•	•		0.0	0.0	0:0	J	C91
Myeloid leukaemia (C92-94)	0	0			٠														0.0	0:0	0.0	J	C92-94
Leukaemia unspecified (C95)	0	0														٠	٠		0.0	0.0	0:0	J	C95
Leukaemia (C91-95)	59	0		1.5	1.7	1.7	5.6	٠	2.0				3.9	2.5	3.1	15.3	15.5	33.8	2.3	2.7	0.3	7	C91-95
All cancers but lung (C00-97/C33-34)	672	0	2.3	5.4	4.3	5.9	7.0	6.2	6.8	13.4	18.7	35.0	8.92	109.5	238.0	364.5		1008.5	53.6	9.79	7.3	J	C00-97/C33-34
All sites (ALL)	798	0	2.3	5.4	4.3	5.9	7.0	7.2	6.8	15.5	26.4	42.3	90.5	142.6	288.1	425.9		1182.2	63.7	80.5	8.8	1	ALL

UNK, Unknown; ASMR (W), Age Standardized Mortality Rate (World Population); CUM., Cumulative TPercent ‡Rank based on highest ASMR excluding: All sites but lung and All sites

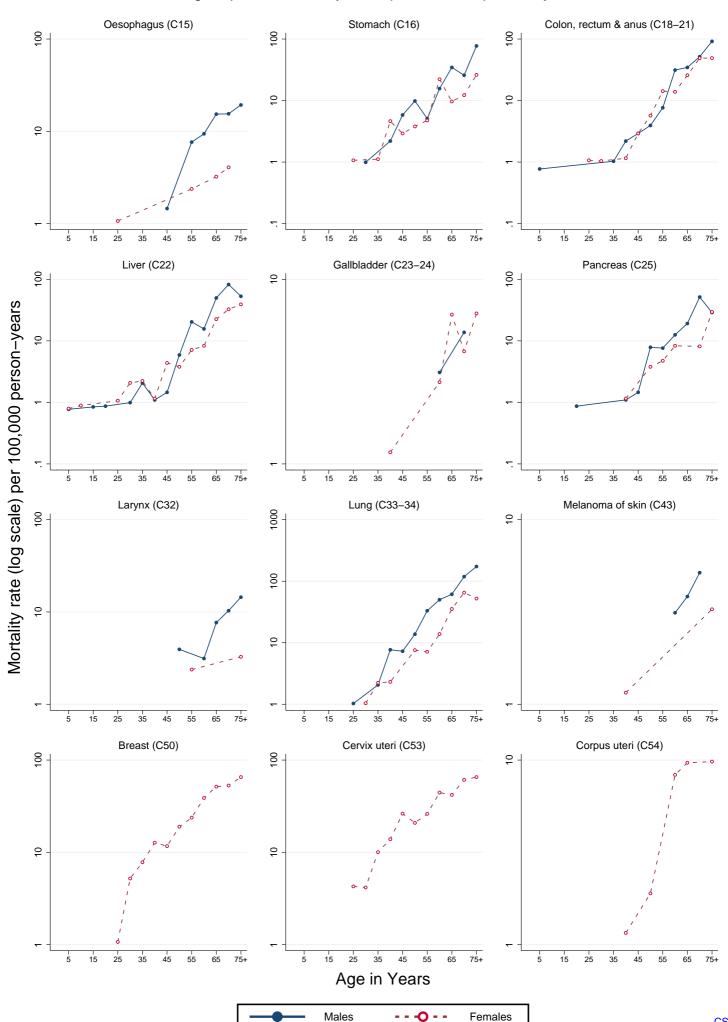
SURINAME (2003-2007) Mortality per 100,000 by Age Group (years) Females

SITE	ALL DEATHS	UNK	0.4	5-9	10-14	15-19	20-24	25-29	30-34 3	35-39	40-44	45-49	50-54	55-59	60-64	62-69	70-74	75+	CRUDE	ASMR (W)	CUM. RATE (0-74)†	Rank‡	ICD10
Lip, oral cavity, & pharynx (C00-14)	7	0						2.1		7:	-						8.2	6.5	9.0	0.5	0.1	14	C00-14
Oesophagus (C15)	4	0		·	٠	٠	·	1.1	·	·	٠	٠	٠	2.4	٠	3.2	4.1	٠	0.3	0.4	0.1	18	C15
Stomach (C16)	34	0						1.1		1.1	4.6	2.9	3.8	4.8	22.2	9.7	12.2	26.2	2.7	2.9	0.3	7	C16
Colon (C18)	48	0	٠	·	·			1.	·	·	1.2	2.9	3.8	7.1	13.9	25.8	48.9	45.8	3.9	4.0	0.5		C18
Rectum (C19-C20)	0	0																	0.0	0.0	0.0		C19-C20
Colorectal (C18-20)	0	0	٠	·			٠		·	٠	٠	٠			٠	·	٠	٠	0.0	0.0	0.0	24	C18-20
Rectum and anus (C19-21)	9	0							1.0				1.9	7.1				3.3	0.5	0.5	0.1		C19-21
Colon, rectum and anus (C18-21)	73	0	٠	·	·			1.	1.0	·	1.2	2.9	2.7	14.3	13.9	25.8	48.9	49.1	4.3	4.5	9.0		C18-21
Liver (C22)	46	0		8.0	6.0			1.	2.1	2.2	1.2	4.4	3.8	7.1	8.3	22.6	32.6	39.2	3.7	3.8	0.4	4	C22
Galibladder (C23-24)	7	0								٠	1.2	٠			2.8	6.4	4.1	6.5	9.0	9.0	0.1	12	C23-24
Pancreas (C25)	19	0									1.2		3.8	4.8	8.3	٠	8.2	29.4	1.5	1.5	0.1	6	C25
Nose, sinuses (C30-31)	0	0													٠	٠		٠	0.0	0.0	0.0	24	C30-31
Larynx (C32)	2	0												2.4		٠	-	3.3	0.2	0.2	0.0	20	C32
Lung, trachea and bronchus (C33-34)	09	0	٠	·	·				1.0	2.2	2.3	٠	9.7	7.1	13.9	35.5	65.2	52.3	4.8	2.0	0.7	က	C33-34
Melanoma of skin (C43)	2	0									1.2							3.3	0.2	0.1	0.0	21	C43
Mesothelioma (C45)	0	0									٠				٠	٠		٠	0.0	0.0	0.0	24	C45
Kaposi sarcoma (C46)	0	0																	0.0	0.0	0.0	24	C46
Breast (C50)	115	0						7:	5.2	7.8	12.7	11.7	19.0	23.8	38.8	51.6	53.0	65.4	9.3	9.7	[:	2	C50
Cervix uteri (C53)	133	0						4.3	4.2	10.0	13.9	26.3	20.9	26.1	44.4	41.9	61.1	65.4	10.7	11.3	1.3	-	C53
Corpus uteri (C54)	Ħ	0							٠	٠	1.2		1.9		8.3	9.7		8.6	6.0	1.0	0.1	Ħ	C54
Ovary (C56)	43	0					6.0			3.3	2.3	8.8	2.7	4.8	11.1	22.6	16.3	36.0	3.5	3.6	0.4	2	C56
Kidney (C64)	2	0						1.			1.2	1.5	1.9		2.8				0.4	0.4	0.0	16	C64
Bladder (C67)	4	0												2.4			4.1	6.5	0.3	0.3	0.0		C67
Brain, CNS (C70-72)	45	0		2.4			2.7	2.1	4.2	2.2	3.5	1.5	2.7	7.1	8.3	12.9	20.4	19.6	3.4	3.4	9.4		C70-72
Thyroid (C73)	2	0				-									2.8	3.2	8.2	3.3	0.4	0.4	0.1		C73
Hodgkin disease (C81)	9	0					6.0	2.1						4.8	2.8	٠		٠	0.5	0.5	0.1		C81
Non-Hodgkin lymphoma (C82-85,C96)	17	0				6:0	6.0		1.0			1.5	2.7	2.4	2.8	3.2	8.2	16.4	1.4	1.4	0.1	10	C82-85, C96
Multiple myeloma (C88+C90)	9	0										٠		4.8	٠	3.2	4.1	6.5	0.5	0.5	0.1	15	C88+C90
Lymphoid leukaemia (C91)	0	0														٠			0.0	0.0	0.0		C91
Myeloid leukaemia (C92-94)	0	0										٠				٠			0.0	0.0	0.0		C92-94
Leukaemia unspecified (C95)	0	0																	0.0	0.0	0.0		C95
Leukaemia (C91-95)	23	0		8.0	1.8	6:0	6.0	3.2	2.1			1.5			2.8	12.9	12.2	13.1	1.9	1.9	0.2	8	C91-95
All cancers but lung (C00-97/C33-34)	693	0	8.0	4.0	2.7	5.6	8.2	22.4	26.0	33.5	53.2	0.07	2.96	140.2	213.6	270.8	350.5	474.2	25.8	28.0	6.5		C00-97/C33-34
All sites (ALL)	753	0	8.0	4.0	2.7	2.6	8.2	22.4	27.1	35.7	55.5	70.0	104.3	147.3	227.4	306.2	415.8	526.5	9.09	63.0	7.1		ALL

UNK, Unknown; ASMR (W), Age Standardized Mortality Rate (World Population); CUM., Cumulative TPercent ‡Rank based on highest ASMR excluding: All sites but lung and All sites

SURINAME (2003-2007)

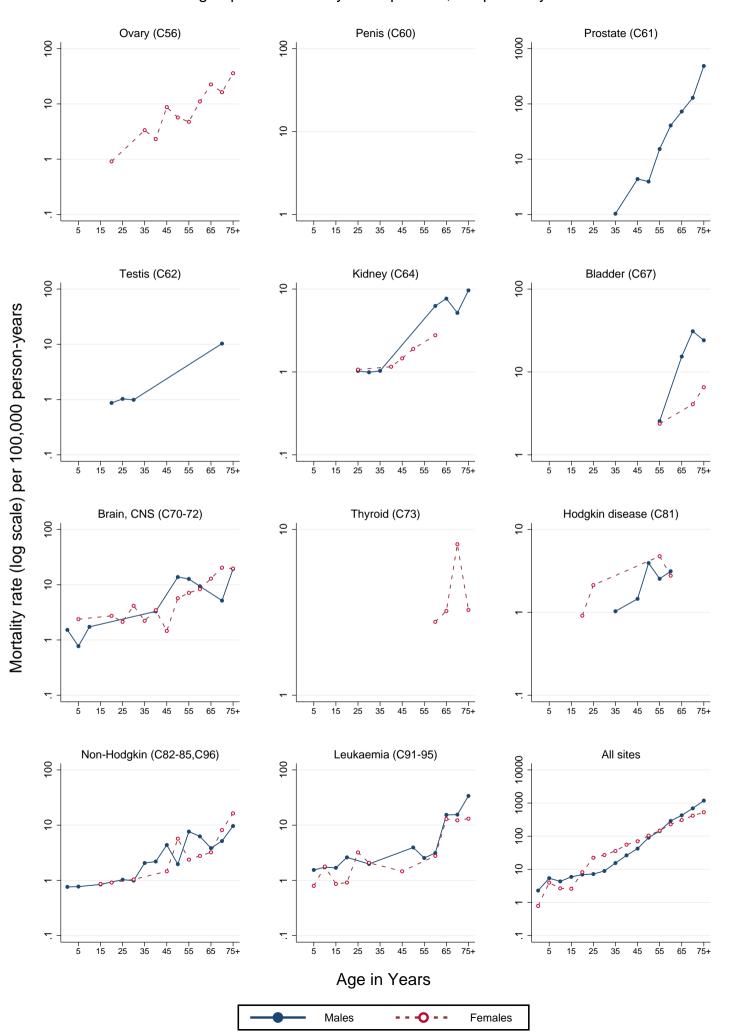
Age-specific mortality rates per 100,000 person-years



Females

SURINAME (2003-2007)

Age-specific mortality rates per 100,000 person-years



SURINAME (2003-2007)

Average annual person-years

