

Cancer in Central and South America

BOLIVIA

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

BOLIVIA^{1,2}

(2011)

¹ Country's incidence rates were estimated using data from the population-based cancer registry of La Paz

² No National mortality data available from the WHO mortality database:
http://www.who.int/healthinfo/statistics/mortality_rawdata/en/index.html

Registry Summary Tables and Figures

BOLIVIA, LA PAZ (2011)

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*Director and staff as notified at time of call for data in 2013. Current contact information for cancer registries in the region can be found at: http://www.iacr.com.fr/index.php?option=com_comprofiler&task=usersList&listid=5.

BOLIVIA, LA PAZ (2011)
Number of Cases in Major Diagnosis Groups
per Calendar Year

SITE	YEAR	
	2011 n (%)	TOTAL n (%)
MALES		
Lip, oral cavity, and pharynx (C00-C14)	19 (3.9)	19 (3.9)
Digestive organs (C15-C26)	156 (31.8)	156 (31.8)
Respiratory organs (C30-C39)	23 (4.7)	23 (4.7)
Bone, cartilage, and skin (C40-C44)	72 (14.7)	72 (14.7)
Breast (C50)	1 (0.2)	1 (0.2)
Male genitalia (C60-C63)	94 (19.2)	94 (19.2)
Urinary organs (C64-C68)	25 (5.1)	25 (5.1)
Eye, brain, and thyroid (C69-C75)	12 (2.4)	12 (2.4)
Hematopoietic (C81-C96)	62 (12.7)	62 (12.7)
Other and unspecified	26 (5.3)	26 (5.3)
All sites	490 (100.0)	490 (100.0)
FEMALES		
Lip, oral cavity, and pharynx (C00-C14)	18 (1.8)	18 (1.8)
Digestive organs (C15-C26)	181 (18.5)	181 (18.5)
Respiratory organs (C30-C39)	40 (4.1)	40 (4.1)
Bone, cartilage, and skin (C40-C44)	79 (8.1)	79 (8.1)
Breast (C50)	161 (16.4)	161 (16.4)
Female genitalia (C51-C58)	371 (37.9)	371 (37.9)
Urinary organs (C64-C68)	14 (1.4)	14 (1.4)
Eye, brain, and thyroid (C69-C75)	47 (4.8)	47 (4.8)
Hematopoietic (C81-C96)	37 (3.8)	37 (3.8)
Other and unspecified	32 (3.3)	32 (3.3)
All sites	980 (100.0)	980 (100.0)
BOTH SEXES		
Lip, oral cavity, and pharynx (C00-C14)	37 (2.5)	37 (2.5)
Digestive organs (C15-C26)	337 (22.9)	337 (22.9)
Respiratory organs (C30-C39)	63 (4.3)	63 (4.3)
Bone, cartilage, and skin (C40-C44)	151 (10.3)	151 (10.3)
Urinary organs (C64-C68)	39 (2.7)	39 (2.7)
Eye, brain, and thyroid (C69-C75)	59 (4.0)	59 (4.0)
Hematopoietic (C81-C96)	99 (6.7)	99 (6.7)
Other and unspecified	58 (3.9)	58 (3.9)
All sites	1470 (100.0)	1470 (100.0)

BOLIVIA, LA PAZ (2011)
Age Standardized Incidence Rate (World Population) per 100,000
in Major Diagnosis Groups per Calendar Year

SITE	YEAR	
	2011 ASR (%)	TOTAL ASR (%)
MALES		
Lip, oral cavity, and pharynx (C00-C14)	1.6 (4.0)	1.6 (4.0)
Digestive organs (C15-C26)	12.9 (32.8)	12.9 (32.8)
Respiratory organs (C30-C39)	1.9 (4.7)	1.9 (4.7)
Bone, cartilage, and skin (C40-C44)	5.7 (14.5)	5.7 (14.5)
Breast (C50)	0.1 (0.2)	0.1 (0.2)
Male genitalia (C60-C63)	7.2 (18.4)	7.2 (18.4)
Urinary organs (C64-C68)	2.0 (5.1)	2.0 (5.1)
Eye, brain, and thyroid (C69-C75)	0.8 (2.1)	0.8 (2.1)
Hematopoietic (C81-C96)	5.0 (12.6)	5.0 (12.6)
Other and unspecified	2.2 (5.6)	2.2 (5.6)
All sites	39.4 (100.0)	39.4 (100.0)
FEMALES		
Lip, oral cavity, and pharynx (C00-C14)	1.4 (1.9)	1.4 (1.9)
Digestive organs (C15-C26)	13.9 (18.4)	13.9 (18.4)
Respiratory organs (C30-C39)	3.1 (4.1)	3.1 (4.1)
Bone, cartilage, and skin (C40-C44)	5.3 (7.1)	5.3 (7.1)
Breast (C50)	12.7 (16.8)	12.7 (16.8)
Female genitalia (C51-C58)	29.2 (38.7)	29.2 (38.7)
Urinary organs (C64-C68)	1.0 (1.4)	1.0 (1.4)
Eye, brain, and thyroid (C69-C75)	3.6 (4.7)	3.6 (4.7)
Hematopoietic (C81-C96)	2.6 (3.5)	2.6 (3.5)
Other and unspecified	2.6 (3.4)	2.6 (3.4)
All sites	75.5 (100.0)	75.5 (100.0)
BOTH SEXES		
Lip, oral cavity, and pharynx (C00-C14)	1.5 (2.6)	1.5 (2.6)
Digestive organs (C15-C26)	13.4 (23.2)	13.4 (23.2)
Respiratory organs (C30-C39)	2.5 (4.3)	2.5 (4.3)
Bone, cartilage, and skin (C40-C44)	5.5 (9.6)	5.5 (9.6)
Urinary organs (C64-C68)	1.5 (2.6)	1.5 (2.6)
Eye, brain, and thyroid (C69-C75)	2.2 (3.9)	2.2 (3.9)
Hematopoietic (C81-C96)	3.8 (6.5)	3.8 (6.5)
Other and unspecified	2.4 (4.1)	2.4 (4.1)
All sites	57.9 (100.0)	57.9 (100.0)

BOLIVIA, LA PAZ (2011)
Incidence per 100,000 by Age Group (years)
Males

SITE	ALL CASES	UNK AGE	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CRUDE RATE	ASR (W)	CUM. RATE (0-74)†	MV (%)	DCO (%)	Rank‡	ICD10
Lip, oral cavity, and pharynx (C00-14)	19	0	.	.	.	.	.	.	.	2.4	.	4.6	1.7	6.5	7.4	6.5	4.4	11.4	1.4	1.6	0.17	100	0	6	C00-14
Oesophagus (C15)	12	0	.	.	.	.	.	.	.	.	.	.	1.7	4.3	4.9	9.7	4.4	8.6	0.9	1.0	0.13	83	0	11	C15
Stomach (C16)	38	0	.	.	.	.	.	1.0	2.4	2.6	2.6	4.6	5.2	8.6	14.8	29.2	13.1	14.3	2.9	3.3	0.41	100	0	4	C16
Colon (C18)	27	0	.	.	.	.	1.0	2.0	2.4	2.6	1.5	1.5	3.4	8.6	7.4	9.7	8.7	14.3	2.0	2.2	0.24	96	0		C18
Rectum (C19-20)	24	0	.	.	.	.	.	1.0	2.4	1.3	1.5	3.4	3.4	6.5	14.8	9.7	8.7	8.6	1.8	2.0	0.25	100	0		C19-20
Colorectal (C18-20)	51	0	.	.	.	.	1.0	3.0	4.8	3.9	3.1	6.9	6.9	15.1	22.2	19.5	17.5	22.9	3.9	4.2	0.48	98	0	2	C18-20
Anus (C21)	1	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.9	0.1	0.1	0.00	100	0	25	C21
Colon, rectum and anus (C18-21)	52	0	.	.	.	.	1.0	3.0	4.8	3.9	3.1	6.9	6.9	15.1	22.2	19.5	17.5	25.7	3.9	4.2	0.48	98	0		C18-21
Liver (C22)	13	0	.	.	.	.	1.0	1.0	1.2	1.3	.	.	3.4	6.5	2.5	3.2	.	5.7	1.0	1.0	0.10	62	0	10	C22
Gallbladder (C23-24)	33	0	.	.	.	.	.	1.0	.	.	.	3.1	5.2	4.3	14.8	.	43.6	25.7	2.5	2.7	0.36	82	0	5	C23-24
Pancreas (C25)	4	0	.	.	.	.	.	.	.	.	.	.	1.7	.	2.5	6.5	.	.	0.3	0.4	0.05	25	0	19	C25
Nose, sinuses (C30-31)	2	0	.	.	.	.	.	.	.	.	1.3	1.5	.	.	.	.	4.4	.	0.2	0.2	0.03	100	0	23	C30-31
Larynx (C32)	3	0	.	.	.	.	.	.	.	.	1.3	.	.	2.2	.	.	4.4	.	0.2	0.3	0.04	100	0	22	C32
Lung, trachea and bronchus (C33-34)	18	0	.	.	.	.	.	.	.	1.3	1.3	3.1	1.7	.	4.9	16.2	.	20.0	1.4	1.4	0.14	94	0	7	C33-34
Melanoma of skin (C43)	8	0	.	.	.	.	.	.	.	.	.	.	1.7	2.2	.	9.7	13.1	.	0.6	0.7	0.13	100	0	13	C43
Mesothelioma (C45)	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0	0.0	0.00	.	.	27	C45
Kaposi sarcoma (C46)	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0	0.0	0.00	.	.	27	C46
Breast (C50)	1	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4.4	.	0.1	0.1	0.02	100	0	24	C50
Penis (C60)	8	0	.	.	.	.	.	.	1.2	.	.	3.1	.	2.2	.	6.5	4.4	2.9	0.6	0.7	0.09	100	0	14	C60
Prostate (C61)	77	0	.	.	.	.	.	1.0	.	.	.	1.5	1.7	10.8	12.3	32.5	100.4	88.6	5.8	5.9	0.80	96	0	1	C61
Testis (C62)	9	0	.	.	.	0.8	0.8	1.9	3.0	.	.	.	1.7	2.2	.	.	.	.	0.7	0.6	0.05	89	0	16	C62
Kidney (C64)	13	0	0.8	.	.	0.8	0.8	.	.	.	1.3	.	1.7	4.3	7.4	6.5	.	5.7	1.0	1.1	0.11	92	0	9	C64
Bladder (C67)	11	0	.	.	.	.	.	.	.	.	.	.	.	2.2	4.9	.	13.1	14.3	0.8	0.8	0.10	91	0	12	C67
Brain, CNS (C70-72)	4	0	.	.	.	.	1.0	2.0	1.2	1.2	.	.	.	.	.	.	.	.	0.3	0.3	0.02	100	0	20	C70-72
Thyroid (C73)	8	0	.	.	0.8	.	.	.	1.2	.	.	.	3.4	2.2	.	.	.	8.6	0.6	0.6	0.04	100	0	18	C73
Hodgkin disease (C81)	8	0	.	.	.	.	.	1.0	.	.	2.6	.	1.7	.	2.5	.	4.4	5.7	0.6	0.6	0.06	100	0	17	C81
Non-Hodgkin lymphoma (C82-85,C96)	42	0	0.7	0.7	0.8	1.6	1.9	3.0	3.0	.	.	10.8	8.6	10.8	14.8	6.5	8.7	14.3	3.2	3.4	0.34	100	0	3	C82-85,C96
Multiple myeloma (C88-C90)	3	0	.	.	.	.	.	.	.	.	1.3	.	.	2.2	2.5	.	.	.	0.2	0.3	0.03	100	0	21	C88-C90
Lymphoid leukaemia (C91)	7	0	.	.	1.4	0.8	0.8	1.0	.	.	.	.	1.7	.	3.2	.	.	.	0.5	0.5	0.04	100	0		C91
Myeloid leukaemia (C92-94)	2	0	.	.	.	.	1.0	.	.	1.2	.	.	.	.	.	.	.	.	0.2	0.1	0.01	100	0		C92-94
Leukaemia unspecified (C95)	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0	0.0	0.00	.	.		C95
Leukaemia (C91-95)	9	0	.	.	1.4	0.8	0.8	1.9	.	1.2	.	.	1.7	.	3.2	.	.	.	0.7	0.7	0.06	100	0	15	C91-95
Other and unspecified (O&U)	15	0	.	.	0.8	.	1.0	.	.	.	1.3	1.5	1.7	2.2	4.9	6.5	13.1	5.7	1.1	1.3	0.16	93	0	8	O&U
All sites but C44 (ALLbC44)	432	0	0.8	0.7	3.6	3.8	4.9	10.6	16.1	15.5	21.0	40.1	56.8	96.8	125.5	175.4	257.5	257.1	32.7	34.9	4.15	94	0		ALLbC44
All sites (ALL)	490	0	0.8	0.7	3.6	3.8	4.9	10.6	16.1	16.7	24.9	44.7	65.4	105.4	132.9	201.3	301.1	317.1	37.1	39.4	4.66	95	0		ALL

UNK, Unknown; ASR (W), Age Standardized Rate (World Population); CUM., Cumulative; MV, Microscopic Verification; DCO, Death Certificate Only

†Percent

‡Rank based on highest ASR excluding: All sites but C44 and All sites

BOLIVIA, LA PAZ (2011)
Incidence per 100,000 by Age Group (years)
Females

SITE	ALL CASES	UNK AGE	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	CRUDE RATE	ASR (W)	CUM. RATE (0-74)†	MV (%)	DCO (%)	Rank‡	ICD10
Lip, oral cavity, and pharynx (C00-14)	18	0	.	.	.	.	.	1.9	.	1.2	1.5	1.7	2.1	11.5	12.2	4.0	4.7	1.3	1.4	0.18	100	0	10	C00-14
Oesophagus (C15)	6	0	.	.	.	.	.	.	1.1	.	1.5	.	.	2.3	.	.	7.0	0.4	0.4	0.02	100	0	21	C15
Stomach (C16)	32	1	.	.	.	0.8	.	1.0	.	2.5	1.5	6.6	8.3	13.8	18.4	12.0	7.0	2.4	2.6	0.33	91	0	7	C16	
Colon (C18)	15	0	.	.	.	.	0.9	.	.	1.1	4.4	1.7	.	4.6	6.1	.	11.7	1.1	1.1	0.09	100	0		C18
Rectum (C19-20)	28	0	.	.	.	0.8	.	.	2.2	1.2	1.5	3.3	8.3	4.6	6.1	12.0	23.4	2.1	1.9	0.20	100	0		C19-20	
Colorectal (C18-20)	43	0	.	.	.	0.8	0.9	.	3.3	1.2	5.9	5.0	8.3	9.2	12.2	12.0	35.0	3.2	3.0	0.29	100	0	4	C18-20	
Anus (C21)	2	0	.	.	.	.	.	.	.	.	.	1.7	2.1	.	.	.	.	0.1	0.2	0.02	100	0	24	C21
Colon, rectum and anus (C18-21)	45	0	.	.	.	0.8	0.9	.	3.3	1.2	5.9	6.6	10.4	9.2	12.2	12.0	35.0	3.3	3.2	0.31	100	0		C18-21	
Liver (C22)	12	0	.	.	.	.	.	1.0	.	2.9	1.7	.	2.1	4.6	3.1	.	9.3	0.9	0.9	0.08	83	0	15	C22
Gallbladder (C23-24)	66	0	.	.	.	.	.	1.9	4.5	2.5	8.8	9.9	16.7	25.3	39.8	31.9	14.0	4.9	5.3	0.71	73	0	3	C23-24
Pancreas (C25)	13	0	.	.	.	.	.	.	1.1	.	.	1.7	2.1	6.9	9.2	.	9.3	1.0	1.0	0.10	46	0	13	C25
Nose, sinuses (C30-31)	7	0	0.8	.	.	.	.	.	.	.	.	1.7	6.3	2.3	3.1	.	.	0.5	0.6	0.07	100	0	19	C30-31
Larynx (C32)	2	0	.	.	.	.	.	.	.	.	.	.	4.2	.	.	.	.	0.1	0.2	0.02	100	0	23	C32
Lung, trachea and bronchus (C33-34)	29	0	.	.	.	.	.	1.9	3.3	1.2	5.9	5.0	6.3	6.9	9.2	8.0	11.7	2.1	2.2	0.24	100	0	9	C33-34
Melanoma of skin (C43)	10	0	.	.	.	.	.	.	2.2	1.2	.	.	.	.	12.2	.	7.0	0.7	0.7	0.08	90	0	16	C43
Mesothelioma (C45)	0	0	0.0	0.0	0.00	.	.	.	27	C45
Kaposi sarcoma (C46)	0	0	0.0	0.0	0.00	.	.	.	27	C46
Breast (C50)	161	0	.	.	.	0.8	3.7	5.7	6.7	19.7	42.5	21.5	58.4	41.4	30.6	55.8	37.4	11.9	12.7	1.43	96	0	2	C50	
Cervix uteri (C53)	283	0	.	.	.	3.2	5.5	20.1	32.3	45.4	71.8	62.8	68.9	69.0	36.7	51.8	25.7	20.9	22.2	2.34	98	0	1	C53	
Corpus uteri (C54)	27	0	.	.	.	.	0.9	.	1.1	2.5	8.8	5.0	6.3	6.9	9.2	19.9	.	2.0	2.3	0.30	100	0	8	C54
Ovary (C56)	33	0	.	.	0.8	.	0.8	.	1.9	2.2	4.9	8.8	13.2	4.2	4.6	9.2	4.0	2.3	2.4	0.27	97	0	6	C56	
Kidney (C64)	6	0	.	.	.	.	.	.	.	2.5	1.5	.	.	.	3.1	.	4.7	0.4	0.4	0.03	83	0	20	C64
Bladder (C67)	8	0	.	.	.	.	.	.	.	.	.	1.7	2.1	6.9	.	4.0	4.7	0.6	0.6	0.07	100	0	18	C67
Brain, CNS (C70-72)	9	0	.	.	.	.	.	1.0	1.1	.	2.9	3.3	2.1	.	.	.	4.7	0.7	0.7	0.05	78	0	17	C70-72
Thyroid (C73)	35	0	.	.	0.8	0.8	4.6	3.8	.	4.9	4.4	11.6	2.1	9.2	6.1	4.0	4.7	2.6	2.7	0.26	100	0	5	C73	
Hodgkin disease (C81)	2	0	0.8	.	.	.	.	.	.	.	.	.	.	.	.	.	2.3	0.1	0.1	0.00	100	0	25	C81
Non-Hodgkin lymphoma (C82-85,C96)	19	0	.	.	.	0.8	.	1.0	1.1	2.5	.	3.3	2.1	4.6	3.1	8.0	14.0	1.4	1.3	0.13	95	0	12	C82-85,C96	
Multiple myeloma (C88-C90)	3	0	.	.	.	.	.	.	.	.	1.5	1.7	.	.	.	.	2.3	0.2	0.2	0.02	67	0	22	C88-C90
Lymphoid leukaemia (C91)	10	0	0.8	1.5	.	1.5	0.8	.	.	.	.	.	1.7	.	.	4.0	2.3	0.7	0.7	0.06	100	0		C91
Myeloid leukaemia (C92-94)	2	0	1.0	0.1	0.2	0.02	100	0		C92-94
Leukaemia unspecified (C95)	1	0	0.1	0.1	0.00	100	0		C95
Leukaemia (C91-95)	13	0	0.8	1.5	.	1.5	0.8	1.0	1.1	.	.	1.7	2.1	2.3	.	4.0	2.3	1.0	1.0	0.08	100	0	14	C91-95	
Other and unspecified (O&U)	16	0	.	.	1.5	.	1.5	.	1.1	.	1.5	5.0	.	4.6	15.3	4.0	2.3	1.2	1.3	0.16	69	0	11	O&U	
All sites but C44 (ALLbC44)	918	1	2.3	2.3	0.8	4.6	11.1	16.6	46.9	63.6	95.8	186.1	176.9	210.8	259.8	247.9	243.3	228.9	67.8	71.4	7.85	94	0	ALLbC44	
All sites (ALL)	980	1	2.3	2.3	0.8	4.6	11.1	16.6	47.8	64.7	95.8	190.5	178.5	219.2	273.6	272.3	271.2	72.4	75.5	8.26	94	0	ALL		

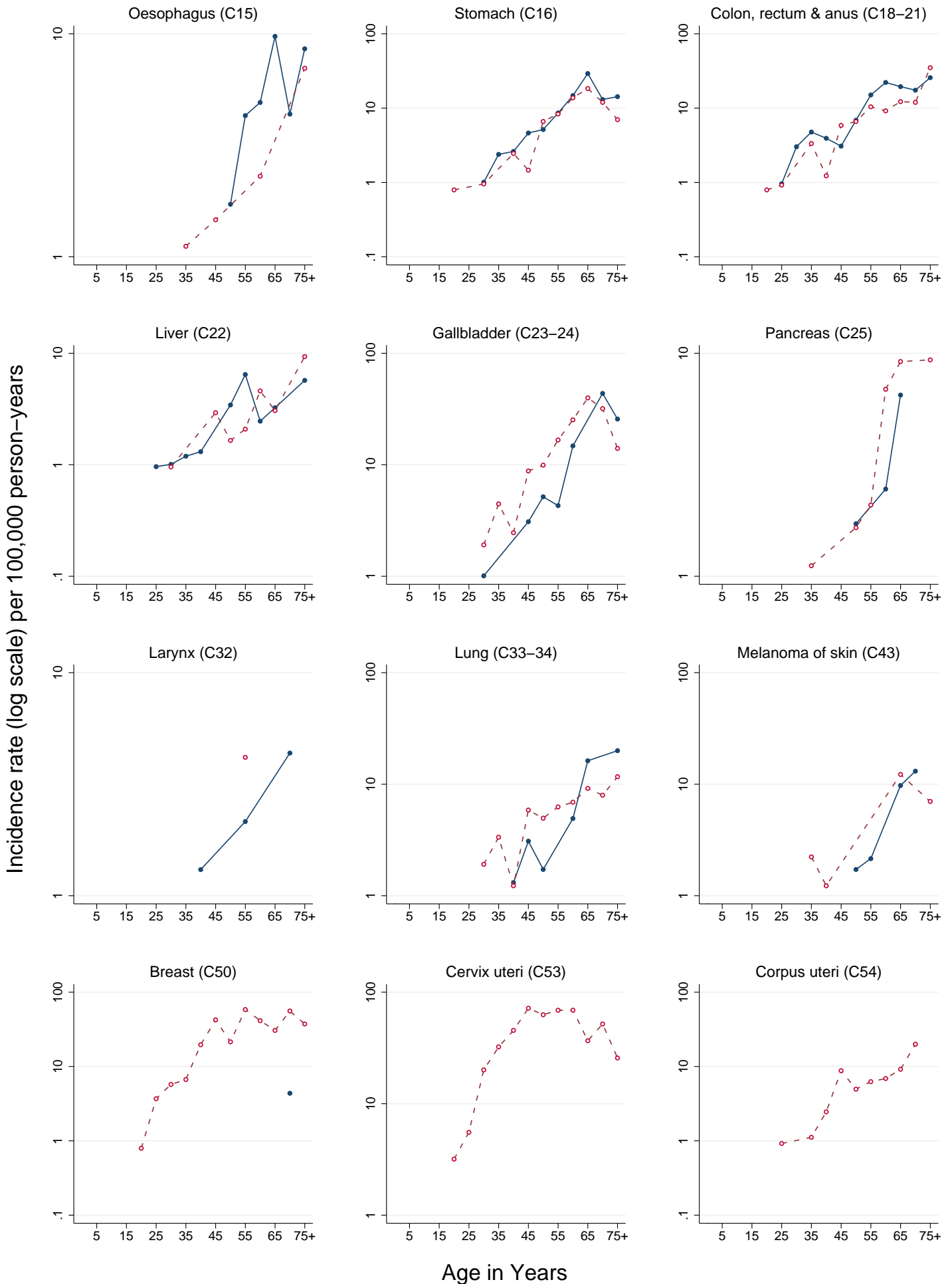
UNK, Unknown; ASR (W), Age Standardized Rate (World Population); CUM., Cumulative; MV, Microscopic Verification; DCO, Death Certificate Only

†Percent

‡Rank based on highest ASR excluding: All sites but C44 and All sites

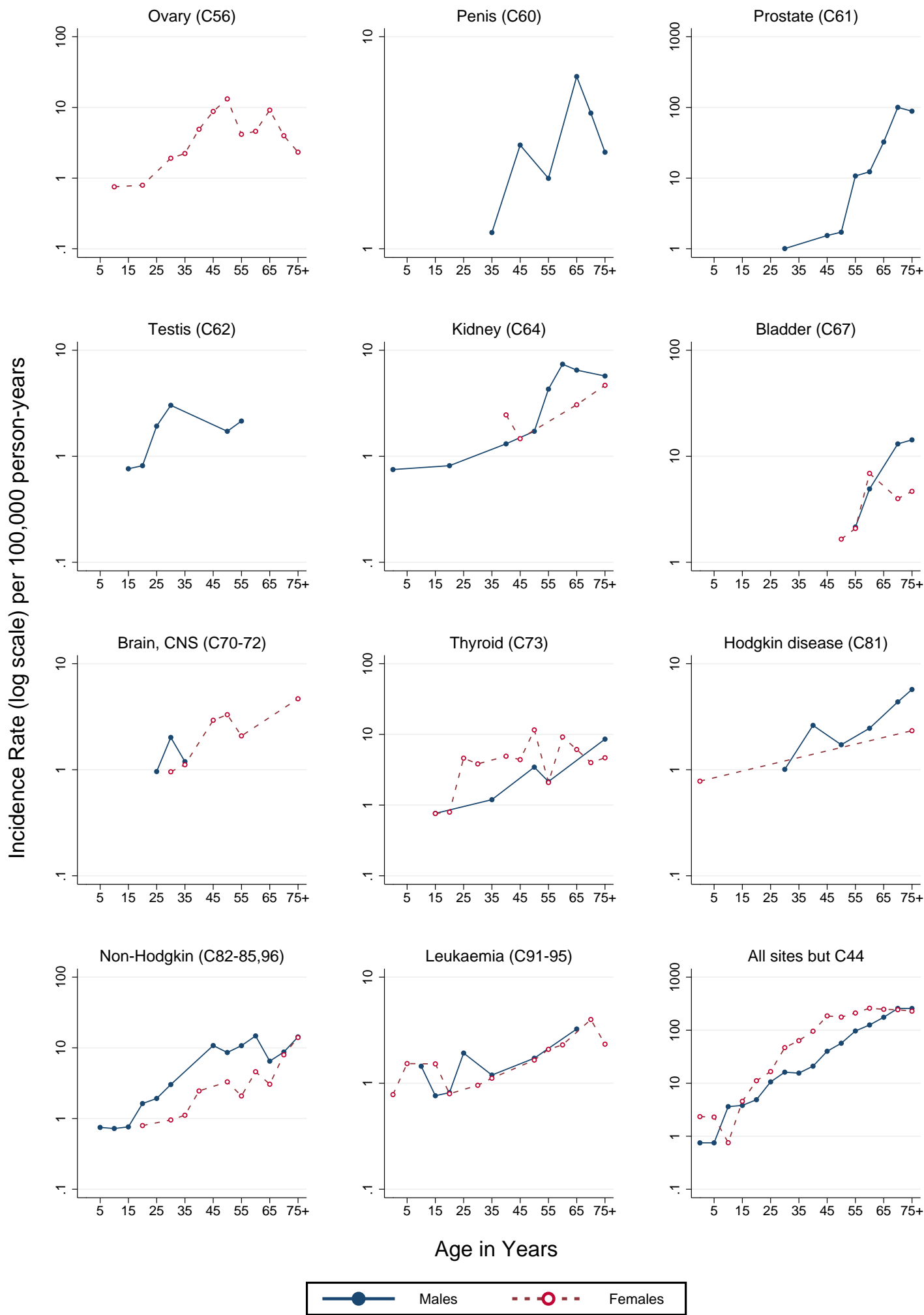
BOLIVIA, LA PAZ (2011)

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



BOLIVIA, LA PAZ (2011)

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



BOLIVIA, LA PAZ (2011)

Average annual person-years

