

**Supplemental Digital Content 1 - Table A.** Standardized mortality ratios according to malignant neoplasms<sup>o</sup> reported in death certificates of people with AIDS (PWA), as compared to people without AIDS (non-PWA). Italy, 15–74 years, 2006–2011

ICD-10 code: Cancer site/type	Obs. deaths	Exp. deaths	SMR	95% CI
<i>AIDS-defining</i>				
C46: Kaposi sarcoma	63	<0.1	10,107.5	7766.9-12,931.9
C53: Cervix uteri	6	<0.1	179.4	65.9-390.6
C83: Diffuse non-Hodgkin lymphoma	60	<0.1	1110.1	847.1-1428.9
C84: Peripheral and cutaneous T-cell lymphomas	3	<0.1	132.1	27.2-386.1
C85: Other and unspecified types of non-Hodgkin lymphoma	159	0.5	308.9	262.8-360.8
C96: Other and unspecified malignant neoplasms of lymph.	1	<0.1	75.4	1.9-420.2
<i>Non AIDS-defining</i>				
C01: Tongue	1	<0.1	31.1	0.8-173.3
C05: Palate	1	<0.1	48.7	1.2-271.4
C09: Tonsil	3	<0.1	51.7	10.7-151.0
C10: Oropharynx	1	<0.1	11.3	0.3-63.0
C15: Esophagus	3	0.4	8.4	1.7-24.4
C16: Stomach	4	1.2	3.5	0.9-8.8
C18: Colon	2	1.4	1.5	0.2-5.3
C19: Rectosigmoid junction	1	0.1	9.1	0.2-50.5
C20: Rectum	7	0.4	19.0	7.6-39.1
C21: Anus	5	<0.1	227.6	73.9-531.0
C22: Liver and bile ducts	17	1.3	13.2	7.7-21.1
C25: Pancreas	3	1.1	2.6	0.5-7.6
C26: Other and ill-defined digestive organs	3	0.2	12.8	2.6-37.3
C32: Larynx	3	0.4	7.2	1.5-21.1
C34: Bronchus and lung	38	4.7	8.0	5.7-11.0
C38: Heart, mediastinum and pleura	1	<0.1	17.5	0.4-97.3
C43: Skin melanoma	4	0.4	10.9	3.0-27.8
C44: Other malignant neoplasms of skin	1	<0.1	23.9	0.6-132.9
C50: Breast	1	0.7	1.4	0.0-8.0
C52: Vagina	1	<0.1	333.2	8.4-1856.2
C55: Uterus, not otherwise specified	4	<0.1	52.5	14.3-134.5
C56: Ovary	1	0.2	6.2	0.2-34.6
C61: Prostate	1	0.5	2.0	0.1-10.9
C62: Testis	1	<0.1	21.7	0.6-121.1
C64: Kidney, except renal pelvis	1	0.5	2.1	0.1-11.8
C71: Brain	3	0.8	4.0	0.8-11.6
C73: Thyroid gland	1	<0.1	15.2	0.4-84.8
C81: Hodgkin lymphoma	12	<0.1	122.0	63.0-213.0
C91: Lymphoid leukemia	2	0.2	10.1	1.2-36.5
C92: Myeloid leukemia	1	0.4	2.8	0.1-15.6
C95: Leukemia of unspecified cell type	2	0.1	16.5	2.0-59.7

<sup>o</sup>Using the multiple cause of death data (i.e., each death certificate reports more than one cause), the sums can exceed the total. Causes of death reported in the same death certificate within the same ICD-10 group were counted only once;

<sup>°</sup>Secondary malignant neoplasms or unspecified cancers (C77–80) excluded; <sup>^</sup>It includes sites/types with at least 1 observed deaths among total PWA.

SMR: sex and age-standardized mortality ratio; CI: confidence interval; obs.: observed; exp.: expected.

**Supplemental Digital Content 2 - Table B.** Standardized mortality ratios according to malignant neoplasms reported in death certificates\* of people with AIDS (PWA), as compared to people without AIDS, by sex. Italy, 15–74 years, 2006–2011

Cancer site/type (ICD-10 codes)*	Men (11,173 person-years)		Women (3007 person-years)	
	Obs./Exp.	SMR (95% CI)	Obs./Exp.	SMR (95% CI)
<i>AIDS-defining</i>	235/0.6	424.1 (371.6-481.9)	47/<0.1	486.6 (357.6-647.1)
Kaposi sarcoma (C46)	56/<0.1	9651.4 (7290.6-12,533.2)	7/<0.1	16,251.8 (6534.1-33,485.0)
Cervix uteri (C53)	–	–	6/<0.1	179.4 (65.9-390.6)
non-Hodgkin lymphoma (C82–88, C96)	186/0.5	339.3 (292.3-391.7)	35/<0.1	554.3 (386.1-771.0)
<i>Non AIDS-defining</i> <sup>°</sup>	107/15.1	7.1 (5.8-8.6)	20/2.2	9.1 (5.6-14.1)
Head and neck (C00–14, C30–32)	8/1.1	7.3 (3.1-14.3)	1/<0.1	22.7 (0.6-126.2)
Stomach (C16)	3/1.0	2.9 (0.6-8.4)	1/0.1	8.7 (0.2-48.5)
Colon-rectum (C18–20)	7/1.6	4.3 (1.7-8.8)	3/0.2	14.3 (3.0-41.9)
Anus (C21)	4/<0.1	229.3 (62.5-587.2)	1/<0.1	220.7 (5.6-1229.8)
Liver and bile ducts (C22)	17/1.2	13.8 (8.1-22.2)	0/<0.1	0.0 (0.0-50.6)
Bronchus and lung (C34)	33/4.5	7.4 (5.1-10.4)	5/0.3	17.3 (5.6-40.3)
Skin melanoma (C43)	4/0.3	12.7 (3.5-32.4)	0/<0.1	0.0 (0.0-57.0)
Uterus, not otherwise specified (C55)	–	–	4/<0.1	52.5 (14.3-134.5)
Hodgkin lymphoma (C81)	12/<0.1	142.1 (73.4-248.2)	0/<0.1	0.0 (0.0-215.0)
Leukemias (C91–95)	4/0.6	6.9 (1.9-17.6)	1/<0.1	13.0 (0.3-72.4)

\*Using the multiple cause of death data (i.e., each death certificate reports more than one cause), the sums can exceed the total. Causes of death reported in the same death certificate within the same ICD-10 group were counted only once; <sup>°</sup>Secondary malignant neoplasms or unspecified cancers (C77–80) excluded; <sup>^</sup>It includes sites/types with less than 4 observed deaths among total PWA, which were not shown in table.

SMR: age-standardized mortality ratio; CI: confidence interval; obs./exp.: observed/expected deaths.