

## *Supplementary Materials for*

# Mortality of people with AIDS in Italy: comparison of AIDS surveillance and multiple cause-of-death registries

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### Supplementary table

ICD-10 codes attributed to the AIDS-defining conditions (1993 AIDS surveillance case definition), and degree of confidence for the codes assignment

AIDS-defining condition (AIDS surveillance case definition)	ICD-10 codes	Matching between the ICD-10 code and disease included in the AIDS definition (C: certain, U: Uncertain)	Description of ICD-10 codes
Candidiasis of bronchus, trachea, or lungs	B37.1	C	B37.1: Pulmonary candidiasis
	B37.9 in conjunction with (J04.1 OR J18.9 OR J20.9 OR J40)	C	B37.9: Candidiasis, unspecified J04.1: Acute Tracheitis J18.9: Pneumonia, unspecified J20.9: Acute Bronchitis, unspecified J40: Bronchitis, not specified as acute or chronic
Candidiasis, esophageal	(B37.8 OR B37.9) in conjunction with K20	C	B37.8: Candidiasis of other sites B37.9: Candidiasis, unspecified K20: Oesophagitis
	B37.8 OR B37.9	U	B37.8: Candidiasis of other sites B37.9: Candidiasis, unspecified
	B20.4	C	B20.4: HIV disease resulting in candidiasis
Cervical cancer, invasive	C53	C	C53: Malignant neoplasm of cervix uteri
	C55 (in deceased of less than 45 years of age)	U	C55: Malignant neoplasm of uterus, part unspecified
Coccidioidomycosis, disseminated or extrapulmonary	B38.3 OR B38.4 OR B38.7 OR B38.8	C	B38.3: Cutaneous coccidioidomycosis B38.4: Coccidioidomycosis meningitis B38.7: Disseminated coccidioidomycosis B38.8: Other forms of coccidioidomycosis
	B38.9	U	B38.9: Coccidioidomycosis, unspecified
Cryptococcosis, extrapulmonary	B45.1 OR B45.2 OR B45.3 OR B45.7 OR B45.8	C	B45.1: Cerebral cryptococcosis B45.2: Cutaneous cryptococcosis B45.3: Osseous cryptococcosis B45.7: Disseminated cryptococcosis B45.8: Other forms of cryptococcosis
	B45.9	U	B45.9: Cryptococcosis, unspecified
Cryptosporidiosis, chronic intestinal (greater than 1 month's duration)	A07.2	C	A07.2: Cryptosporidiosis
Cytomegalovirus disease (other than liver, spleen, or nodes) Cytomegalovirus retinitis (with loss of vision)	B25	U	B25: Cytomegaloviral disease
	B20.2	C	B20.2: HIV disease resulting in cytomegaloviral disease
Encephalopathy, HIV-related	G93.4	C	G93.4: Encephalopathy, unspecified
	B22.0	C	B22.0: HIV disease resulting in encephalopathy
Herpes simplex: chronic ulcer(s) (greater than 1 month's duration); or bronchitis, pneumonitis, or esophagitis	B00	U	B00: Herpesviral [herpes simplex] infections
Isosporiasis, chronic intestinal (greater than 1 month's duration)	A07.3	C	A07.3: Isosporiasis
Histoplasmosis, disseminated or extrapulmonary	B93.3 OR B93.4 OR B93.5	C	B93.3: Disseminated histoplasmosis capsulati B93.4: Histoplasmosis capsulati, unspecified B93.5: Histoplasmosis duboisii
	B39.9	U	B39.9: Histoplasmosis, unspecified
Progressive multifocal leukoencephalopathy	A81.2	C	A81.2: Progressive multifocal leukoencephalopathy
Lymphoma, Burkitt's (or equivalent term)	C83.7	C	C83.7: Burkitt lymphoma
	B21.1	C	B21.1: HIV disease resulting in Burkitt's lymphoma
Lymphoma, immunoblastic (or equivalent term)	C83.3 OR C83.4	C	C83.3: Diffuse large B-cell lymphoma C83.4: Immunoblastic (diffuse)

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**Supplementary table**
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AIDS-defining condition (AIDS surveillance case definition)	ICD-10 codes	Matching between the ICD-10 code and disease included in the AIDS definition (C: certain, U: Uncertain)	Description of ICD-10 codes
Lymphoma, primary, of brain	C82.0-C83.2 OR C83.5-C83.6 OR C83.8-C85.9	C	
	B21.2	C	B21.2: HIV disease resulting in other types of non-Hodgkin's lymphoma
Mycobacterium tuberculosis, any site (pulmonary or extrapulmonary)	A15 OR A16 OR A17 OR A18 OR A19	C	A15: Respiratory tuberculosis, bacteriologically and histologically confirmed A16: Respiratory tuberculosis, not confirmed bacteriologically or histologically A17: Tuberculosis of nervous system A18: Tuberculosis of other organs A19: Miliary tuberculosis
Mycobacterium avium complex or M. kansasii, disseminated or extrapulmonary Mycobacterium, other species or unidentified species, disseminated or extrapulmonary	A31	C	A31: Infection due to other mycobacteria
	B20.0	C	B20.0: HIV disease resulting in mycobacterial infection
Pneumocystis carinii pneumonia	B59	C	B59: Pneumocystosis
	B20.6	C	B20.6: HIV disease resulting in Pneumocystis jirovecii pneumonia
Pneumonia, recurrent	J12-J18 in deceased with less than 60 years of age	U	J18: Pneumonia, organism unspecified
Kaposi sarcoma	C46	C	C46: Kaposi sarcoma
	B21.0	C	B21.0: HIV disease resulting in Kaposi sarcoma
Salmonella septicemia, recurrent	A02.1	C	A02.1: Salmonella sepsis
Toxoplasmosis of brain	B58.2 OR B58.8	C	B58.2: Toxoplasma meningoencephalitis B58.8: Toxoplasmosis with other organ involvement
Wasting syndrome due to HIV	R64	C	R64: Cachexia
	B22.2	C	B22.2: HIV disease resulting in wasting syndrome