List of Classifications by cancer sites with <i>sufficient</i> or <i>limited evidence</i> in humans, Volumes 1 to 105*		
Cancer site	Carcinogenic agents with sufficient evidence in humans	Agents with <i>limited evidence</i> in humans
Lip, oral Cavity, and	d pharynx	
Lip		Solar radiation
Oral cavity	Alcoholic beverages Betel quid with tobacco Betel quid without tobacco Human papillomavirus type 16 Tobacco, smokeless Tobacco smoking	Human papillomavirus type 18
Salivary gland	X-radiation, gamma-radiation	Radioiodines, including lodine- 131
Tonsil	Human papillomavirus type 16	
Pharynx	Alcoholic beverages Betel quid with tobacco Human papillomavirus type 16 Tobacco smoking	Asbestos (all forms) Mate drinking, hot Printing processes Tobacco smoke, secondhand
Nasopharynx	Epstein-Barr virus Formaldehyde Salted fish, Chinese-style Tobacco smoking Wood dust	
Digestive tract, upper	Acetaldehyde associated with consumption of alcoholic beverages	
Digestive organs		
Oesophagus	Acetaldehyde associated with consumption of alcoholic beverages Alcoholic beverages Betel quid with tobacco Betel quid without tobacco Tobacco, smokeless Tobacco smoking X-radiation, gamma-radiation	Dry cleaning Mate drinking, hot Pickled vegetables (traditional Asian) Rubber production industry Tetrachloroethylene

List of Classifications by cancer sites with <i>sufficient</i> or <i>limited evidence</i> in humans, Volumes 1 to 105*		
Cancer site	Carcinogenic agents with sufficient evidence in humans	Agents with <i>limited evidence</i> in humans
Stomach	Helicobacter pylori Rubber production industry Tobacco smoking X-radiation, gamma-radiation	Asbestos (all forms) Epstein-Barr virus Lead compounds, inorganic Nitrate or nitrite (ingested) under conditions that result in endogenous nitrosation Pickled vegetables (traditional Asian) Salted fish, Chinese-style
Colon and rectum	Alcoholic beverages Tobacco smoking X-radiation, gamma-radiation	Asbestos (all forms) Schistosoma japonicum
Anus	Human immunodeficiency virus type 1 Human papillomavirus type 16	Human papillomavirus types 18, 33
Liver and bile duct	Aflatoxins Alcoholic beverages Clonorchis sinensis Estrogen-progestogen contraceptives Hepatitis B virus Hepatitis C virus Opisthorchis viverrini Plutonium Thorium-232 and its decay products Tobacco smoking (in smokers and in smokers' children) Vinyl chloride	Androgenic (anabolic) steroids Arsenic and inorganic arsenic compounds Betel quid without tobacco Human immunodeficiency virus type 1 Polychlorinated biphenyls Schistosoma japonicum Trichloroethylene X-radiation, gamma-radiation
Gall bladder Pancreas	Thorium-232 and its decay products Tobacco, smokeless Tobacco smoking	Alcoholic beverages Thorium-232 and its decay products
Digestive tract, unspecified		X-radiation, gamma-radiation Radioiodines, including Iodine- 131

List of Classifications by cancer sites with <i>sufficient</i> or <i>limited evidence</i> in humans, Volumes 1 to 105*		
Cancer site	Carcinogenic agents with sufficient evidence in humans	Agents with <i>limited evidence</i> in humans
Respiratory organs		
Nasal cavity and	Isopropyl alcohol production	Carpentry and joinery
paranasal sinus	Leather dust	Chromium(VI) compounds
	Nickel compounds	Formaldehyde
	Radium-226 and its decay products	Textile manufacturing
	Radium-228 and its decay products	
	Tobacco smoking	
	Wood dust	
Larynx	Acid mists, strong inorganic	Human papillomavirus type 16
	Alcoholic beverages	Mate drinking, hot
	Asbestos (all forms)	Rubber production industry
	Tobacco smoking	Sulfur mustard
		Tobacco smoke, secondhand

List of Classifications by cancer sites with <i>sufficient</i> or <i>limited evidence</i> in humans, Volumes 1 to 105*		
Cancer site	Carcinogenic agents with sufficient evidence in humans	Agents with <i>limited evidence</i> in humans
Lung	Aluminum production	Acid mists, strong inorganic
	Arsenic and inorganic arsenic compounds Asbestos (all forms)	Art glass, glass containers and pressed ware (manufacture of)
	Beryllium and beryllium compounds Bis(chloromethyl)ether; chloromethyl methyl ether (technical grade)	Biomass fuel (primarily wood), indoor emissions from household combustion of
	Cadmium and cadmium compounds Chromium(VI) compounds Coal, indoor emissions from household combustion	Bitumens, occupational exposure to oxidized bitumens and their emissions during roofing
	Coal gasification Coal-tar pitch Coke production	Bitumens, occupational exposure to hard bitumens and their emissions during mastic asphalt work
	Engine exhaust, diesel	Carbon electrode manufacture
	Hematite mining (underground) Iron and steel founding MOPP (vincristine-prednisone-nitrogen	alpha-Chlorinated toluenes and benzoyl chloride (combined exposures)
	mustard-procarbazine mixture) Nickel compounds	Cobalt metal with tungsten carbide
	Painting	Creosotes
	Plutonium	Engine exhaust, diesel
	Radon-222 and its decay products Rubber production industry	Frying, emissions from high- temperature
	Silica dust, crystalline Soot	Insecticides, non-arsenical (occupational exposures in spraying and application)
	Sulfur mustard	Printing processes
	Tobacco smoke, secondhand Tobacco smoking	2,3,7,8-Tetrachlorodibenzo- para-dioxin
	X-radiation, gamma-radiation	Welding fumes
Bone, skin, and me	esothelium, endothelium, and soft tissu	ne
Bone	Plutonium Radium-224 and its decay products Radium-226 and its decay products Radium-228 and its decay products X-radiation, gamma-radiation	Radioiodines, including lodine- 131
Skin (melanoma)	Solar radiation Ultraviolet-emitting tanning devices	

List of Classifications by cancer sites with <i>sufficient</i> or <i>limited evidence</i> in humans, Volumes 1 to 105*		
Cancer site	Carcinogenic agents with sufficient evidence in humans	Agents with <i>limited evidence</i> in humans
Skin (other malignant neoplasms)	Arsenic and inorganic arsenic compounds Azathioprine Coal-tar distillation Coal-tar pitch Cyclosporine Methoxsalen plus ultraviolet A Mineral oils, untreated or mildly treated Shale oils Solar radiation Soot X-radiation, gamma-radiation	Creosotes Human immunodeficiency virus type 1 Human papillomavirus types 5 and 8 (in patients with epidermodysplasia verruciformis) Nitrogen mustard Petroleum refining (occupational exposures) Ultraviolet-emitting tanning devices Merkel cell polyomavirus
Mesothelium (pleura and peritoneum)	Asbestos (all forms) Erionite Painting	(MCV)
Endothelium (Kaposi sarcoma)	Human immunodeficiency virus type 1 Kaposi sarcoma herpes virus	
Soft tissue		Polychlorophenols or their sodium salts (combined exposures) Radioiodines, including lodine-131 2,3,7,8-Tetrachlorodibenzo-para-dioxin
Breast and female	genital organs	
Breast	Alcoholic beverages Diethylstilbestrol Estrogen-progestogen contraceptives Estrogen-progestogen menopausal therapy X-radiation, gamma-radiation	Estrogen menopausal therapy Ethylene oxide Shiftwork that involves circadian disruption Tobacco smoking
Vulva	Human papillomavirus type 16	Human immunodeficiency virus type 1 Human papillomavirus types 18, 33
Vagina	Diethylstilbestrol (exposure in utero) Human papillomavirus type 16	Human immunodeficiency virus type 1

List of Classifications by cancer sites with <i>sufficient</i> or <i>limited evidence</i> in humans, Volumes 1 to 105*			
Cancer site	Carcinogenic agents with sufficient evidence in humans	Agents with <i>limited evidence</i> in humans	
Uterine cervix	Diethylstilbestrol (exposure in utero) Estrogen-progestogen contraceptives Human immunodeficiency virus type 1 Human papillomavirus types 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59 Tobacco smoking	Human papillomavirus types 26, 53, 66, 67, 68, 70, 73, 82 Tetrachloroethylene	
Endometrium	Estrogen menopausal therapy Estrogen-progestogen menopausal therapy Tamoxifen	Diethylstilbestrol	
Ovary	Asbestos (all forms) Estrogen menopausal therapy Tobacco smoking	Talc-based body powder (perineal use) X-radiation, gamma-radiation	
Male genital organ	•		
Penis	Human papillomavirus type 16	Human immunodeficiency virus type 1	
Prostate		Human papillomavirus type 18 Androgenic (anabolic) steroids Arsenic and inorganic arsenic compounds Cadmium and cadmium compounds Rubber production industry Thorium-232 and its decay products X-radiation, gamma-radiation	
Testis		Diethylstilbestrol (exposure in utero)	
Urinary tract			
Kidney	Tobacco smoking X-radiation, gamma-radiation	Arsenic and inorganic arsenic compounds Cadmium and cadmium compounds Printing processes	
Renal pelvis and ureter	Aristolochic acid, plants containing Phenacetin Phenacetin, analgesic mixtures containing Tobacco smoking	Aristolochic acid	

List of Classifications by cancer sites with <i>sufficient</i> or <i>limited evidence</i> in humans, Volumes 1 to 105*		
Cancer site	Carcinogenic agents with sufficient evidence in humans	Agents with <i>limited evidence</i> in humans
Urinary bladder	Aluminum production	4-Chloro-ortho-toluidine
	4-Aminobiphenyl	Coal-tar pitch
	Arsenic and inorganic arsenic compounds	Coffee
	Auramine production	Dry cleaning
	Benzidine	Engine exhaust, diesel
	Chlornaphazine	Hairdressers and barbers
	Cyclophosphamide	(occupational exposure)
	Magenta production	Printing processes
	2-Naphthylamine	Soot
	Painting	Textile manufacturing
	Rubber production industry	
	Schistosoma haematobium	
	Tobacco smoking	
	ortho-Toluidine	
	X-radiation, gamma-radiation	
Eye, brain, and cer	ntral nervous system	
Eye	Human immunodeficiency virus type 1	Solar radiation
	Ultraviolet-emitting tanning devices	
	Welding	
Brain and central nervous system	X-radiation, gamma-radiation	Radiofrequency electromagnetic fields (including from wireless phones)
Endocrine glands		
Thyroid	Radioiodines, including lodine-131	
	X-radiation, gamma-radiation	

List of Classifications by cancer sites with <i>sufficient</i> or <i>limited evidence</i> in humans, Volumes 1 to 105*		
Cancer site	Carcinogenic agents with sufficient evidence in humans	Agents with <i>limited evidence</i> in humans
Lymphoid, hemator	poietic, and related tissue	
Leukaemia and/or lymphoma	Azathioprine Benzene Busulfan 1,3-Butadiene Chlorambucil Cyclophosphamide Cyclosporine Epstein-Barr virus Etoposide with cisplatin and bleomycin Fission products, including Strontium-90 Formaldehyde Helicobacter pylori Hepatitis C virus Human immunodeficiency virus type 1 Human T-cell lymphotropic virus type 1 Kaposi sarcoma herpes virus Melphalan MOPP (vincristine-prednisone-nitrogen mustard-procarbazine mixture) Phosphorus-32 Rubber production industry Semustine (methyl-CCNU) Thiotepa Thorium-232 and its decay products Tobacco smoking Treosulfan X-radiation, gamma-radiation	Bischloroethyl nitrosourea (BCNU) Chloramphenicol Ethylene oxide Etoposide Hepatitis B virus Magnetic fields, extremely low frequency (childhood leukemia) Mitoxantrone Nitrogen mustard Painting (childhood leukemia from maternal exposure) Petroleum refining (occupational exposures) Polychlorophenols or their sodium salts (combined exposures) Radioiodines, including lodine- 131 Radon-222 and its decay products Styrene Teniposide Tetrachloroethylene Trichloroethylene 2,3,7,8-Tetrachlorodibenzo- para-dioxin Tobacco smoking (childhood leukemia in smokers'
		children) Malaria (caused by infection with <i>Plasmodium falciparum</i> in holoendemic areas)
Multiple or unspecified sites		
Multiple sites (unspecified)	Cyclosporine Fission products, including Strontium-90 X-radiation, gamma-radiation (exposure in utero)	Chlorophenoxy herbicides Plutonium

List of Classifications by cancer sites with <i>sufficient</i> or <i>limited evidence</i> in humans, Volumes 1 to 105*		
Cancer site	Carcinogenic agents with sufficient evidence in humans	Agents with <i>limited evidence</i> in humans
All cancer sites (combined)	2,3,7,8-Tetrachlorodibenzo-para-dioxin	

^{*} This table does not include factors not covered in the IARC Monographs, notably genetic traits, reproductive status, and some nutritional factors.

Adapted from Table 4 in Cogliano *et al.* (2011) available at: http://jnci.oxfordjournals.org/content/early/2011/12/11/jnci.djr483.short?rss=1

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