

TABLE 4

Cancer-causing Pathogens

PATHOGEN	CANCER TYPES CAUSED BY THE PATHOGEN	NUMBER OF GLOBAL CANCER CASES
Bacteria		
<i>Helicobacter pylori</i>	Stomach cancer and non-Hodgkin lymphoma	810,000
Parasites		
<i>Clonorchis sinensis</i> and <i>Opisthorchis viverrini</i>	Cholangiocarcinoma	3,500
<i>Schistosoma haematobium</i>	Bladder cancer	NA
Viruses		
Epstein-Barr Virus (EBV)	Hodgkin lymphoma, certain types of non-Hodgkin lymphoma, and nasopharyngeal cancer	156,600
Hepatitis B Virus (HBV)	Hepatocellular carcinoma	360,000
Hepatitis C Virus (HCV)	Hepatocellular carcinoma and non-Hodgkin lymphoma	156,000
Human Herpesvirus type 8 (HHV-8; also known as Kaposi sarcoma herpesvirus)	Kaposi sarcoma	42,000
Human Immunodeficiency Virus (HIV)	Kaposi sarcoma and non-Hodgkin lymphoma	NA
Human Papillomavirus (HPV)	Anal, cervical, head and neck, larynx, oral, oropharyngeal, penile, vaginal, and vulvar cancers	690,000
Human T-cell Lymphotropic Virus, type 1 (HTLV-1)	T-cell leukemia and lymphoma	3,600
Merkel Cell Polyomavirus (MCV)	Skin cancer	NA
NA, Not applicable. Data from Ref. https://www.thelancet.com/journals/langlo/article/PIIS2214-109X(19)30488-7/fulltext#seccestitle10		

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