

TABLE 4 CANCER-CAUSING PATHOGENS

Bacteria

Pathogen	Cancer types caused by the pathogen	Number of global cancer cases
<i>Helicobacter pylori</i>	Stomach cancer and non-Hodgkin lymphoma	810,000

Parasites

Pathogen	Cancer types caused by the pathogen	Number of global cancer cases
Clonorchis sinensis and Opisthorchis viverrini	Cholangiocarcinoma	3,500
<i>Schistosoma haematobium</i>	Bladder cancer	N/A

Virus

Pathogen	Cancer types caused by the pathogen	Number of global cancer cases
Epstein-Barr Virus (EBV)	Hodgkin lymphoma, certain types of non-Hodgkin lymphoma, and nasopharyngeal cancer	156,600
Hepatitis B Virus (HBV)	Hepatocellular carcinoma and other cancers	360,000
Hepatitis C Virus (HCV)	Hepatocellular carcinoma and other cancers	156,000
Human Herpes Virus type -8 (HHV-8; also known as Kaposi sarcoma herpes virus)	Kaposi sarcoma	42,000
Human Immunodeficiency Virus (HIV)	Kaposi sarcoma and non-Hodgkin lymphoma	N/A
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	N/A

data from Ref [https://www.thelancet.com/journals/langlo/article/PIIS2214-109X\(19\)30488-7/fulltext#seccectitle10](https://www.thelancet.com/journals/langlo/article/PIIS2214-109X(19)30488-7/fulltext#seccectitle10)