

This of cancer cases
reported. other
mutations though

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This is a type of disease where cells grow uncontrollably, multiply and spread to other body tissues. Cancer, which can affect any body part, is a group of numerous different diseases and each is classified by the type of body cell that is initially affected. The most common cancers include lung cancer, breast cancer, colon cancer, prostate cancer, stomach cancer, liver cancer, cervical cancer, pancreatic cancer, brain cancer, leukemia among others. Majority of the new cancer cases reported are breast, prostate, lung or bowel cancer. Breast cancer is common in females while a high number of prostate cancer cases reported relate to males.

Some of the common symptoms of cancer include change in bladder habits, unexplained weight loss, fevers, fatigue, persistent coughs, hoarseness, and unexplained bleeding. However these signs may be different depending on the body part affected. Good introduction Changes or mutations to the DNA within the body cells results to cancer. The DNA in a human cell has a large number of genes each with its unique function within the body and any deviation in these functions may make a cell to be cancerous. A gene mutation may make a healthy cell to grow quickly which creates many cells with identical mutations. It can also make a cell fail to control abnormal growth as it is in normal circumstances where a normal cell ensures growth of just the number of cells needed, cancer cells lose the control that make them stop growing and a mutation allows them to uncontrollably accumulate within the body.

Repair genes make right any errors in a cell's DNA and a mutation in this gene means it doesn't function normally leading to cells becoming cancerous. Gene mutations resulting to cancer occur due to various reasons.

Some people are born with genetic mutations inherited from parents
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although these only accountsfor a little number of cancer cases reported. Other mutations though occurafter birth are caused by various factors such as use of tobacco which leads to many cases of lung cancer, obesity, cancer causing chemicals known as carcinogens, poor diet and lack of physical activity, infectious diseases especially viral, radiation exposure, hormones, and chronic inflammation among others. Some factors are known to increase a risk of cancer and these may include age as majority of the people diagnosed tend to be elderly, family history where in some cases mutations are passed from a generation to another, one's environment as in some places people may be exposed to harmful smokes, lifestyles too like smoking, excessive alcohol among others.