

Quad Cancer Moonshot Initiative

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About Quad Cancer Moonshot Initiative:

- It was launched by the **QUAD countries** (India, United States, Australia and Japan).
- It is aimed at implementing innovative strategies to prevent, detect, treat and alleviate the **impact of cancer** on patients and their families.
- It will focus on **expanding cervical cancer screening**; increasing vaccinations against the **human papillomavirus, or HPV**, a common sexually transmitted infection that is the primary cause of cervical cancer; and treating patients.
- **India's contribution**
 - India will, additionally, offer technical assistance to interested countries in the Indo-Pacific region on DPI for cancer screening, care and continuum through its **US \$10 million contribution** to WHO's- Global Initiative on Digital Health.
 - India commits to providing **HPV sampling kits**, detection tools and cervical cancer vaccines **worth \$7.5 million** to the Indo-Pacific region.

- India is working on an **AI based treatment protocol** for the disease.
 - India will provide support for **radiotherapy treatment and capacity building** for cancer prevention in the Indo-Pacific.
 - This significant contribution aims to strengthen local efforts to prevent and detect cervical cancer and empower communities with affordable, accessible tools for early detection and prevention, while supporting vaccination programs to reduce the disease burden across the region.
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Q1) What is a Virus?

It is an infectious microbe consisting of a segment of nucleic acid (either DNA or RNA) surrounded by a protein coat. A virus cannot replicate alone; instead, it must infect cells and use components of the host cell to make copies of itself. Often, a virus ends up killing the host cell in the process, causing damage to the host organism. Examples: AIDS, COVID-19, measles and smallpox.

Source: What is the Cancer Moonshot Initiative, that Quad grouping gave nod to?

Source: <https://vajiramandravi.com/current-affairs/quad-cancer-moonshot-initiative/>

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