

The 2nd Cancer Genome Atlas (TCGA) 2020 Conference

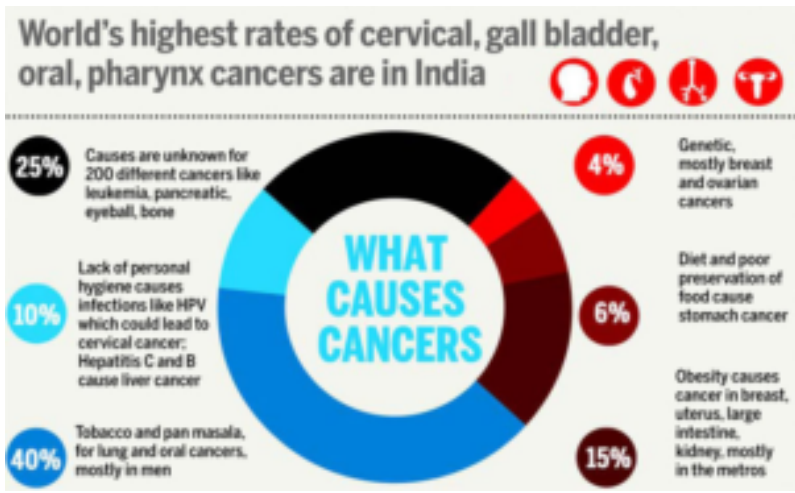
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In news

The Minister of Science and Technology virtually inaugurated the 2ndTCGA 2020 conference in New Delhi

Key highlights of the TCGA conference

- It is a landmark cancer genomics program that molecularly characterized over 20,000 primary cancer and matched normal samples spanning 33 cancer types.
- TCGA was established in 2006 with the joint effort between the US- National Cancer Institute and the National Human Genome Research Institute
- TCGA is bringing together researchers from diverse disciplines and multiple institutions.
- Over the years, TCGA generated over 2.5 petabytes of genomic, epigenomic, transcriptomic, and proteomic data.
- The data, which has already led to improvements in the ability to diagnose, treat, and prevent cancer, will remain publicly available for anyone in the research community to use.
- On similar lines, the establishment of an **'Indian Cancer Genomics Atlas (ICGA)'** has been initiated by a consortium of key stakeholders in India **led by CSIR**, Government of India in which several government agencies, cancer hospitals, academic institutions and private sector partners.



Significance

Establishment of the Indian Cancer Genomics Atlas (ICGA) is a much-needed initiative and will add value to India and to the world of science in terms of cancer treatment.