



FEBRUARY 2024



### **Cancer Trends**

Cancer in India is a complex health issue with various trends. While cervical cancer is declining due to late marriages and healthcare advancements, breast cancer is increasing in urban areas. Innovative treatments like ketogenic diets and virtual reality unveils promising avenues in the battle against this pervasive disease.



### Cancer Trends and Varied Trajectories: Understanding the Dynamics of Decline and Rise



#### **Cervical Cancer Decline**

Incidence dropped from 45 to 10 per 100,000 in the last 50 years. Factors: Late marriages, fewer children, better hygiene, HPV vaccination.



#### **Breast Cancer Increase**

Urban centres like Hyderabad show an increase (45 per 100,000). Contributing Factors: Late marriages, delayed childbirth, lack of breastfeeding, high-protein diet.



#### **Tobacco - Related Cancers**

Declining rates due to anti-smoking laws.



### **Lung Cancer Concerns**

Linked to smoking and pollution, particularly high in Arunachal Pradesh. Survival rates are low, often diagnosed in late stages.





### The incidence of cancer and mortality in India

The incidence of cancer in India is significant, with one in nine individuals likely to develop the disease during their lifetime. The leading sites of cancer vary between genders, with lung cancer prevalent in males and breast cancer in females.



# The Ketogenic Diet shows promise to treat cancer (Adjuvant to Radiation therapy)

The ketogenic diet, characterized by high fat, low carb, and moderate protein intake, has shown potential as an adjuvant to radiation therapy in treating cancer. Some studies suggest that the diet's metabolic effects may enhance the therapeutic efficacy of radiation in certain cancer cases.

### **Ketogenic Diet and Cancer: Metabolic Strategies**



Cancer cells rely on carbs for growth; a ketogenic diet alters metabolism, reduces blood sugar levels.



This "starvation" approach may slow cancer growth, shrink tumors, or even induce cell death over time.



Reducing carb intake on a ketogenic diet shows potential in impeding cancer progression.



Insulin-like growth factor 1 (IGF-1) influences cancer development; the ketogenic diet lowers IGF-1, diminishing insulin's impact on cell growth.



The resulting reduction in tumor growth and long-term cancer risk makes the ketogenic diet a promising avenue (29Trusted Source).





### Virtual Reality (VR) for pain and Anxiety Relief in Cancer Patients: A Glimpse at the Potential

Virtual Reality (VR) technology emerges as a promising ally, providing not only relief from pain and anxiety for individuals grappling with chronic conditions like cancer but also serving as a therapeutic escape to enhance mental well-being.

- VR environments distract during medical procedures, easing pain for cancer patients.
- VR minimizes reliance on pain medications, promoting a holistic care approach.
- Tailored VR experiences support emotional well-being in navigating cancer challenges.
- Advancements in VR tech hold promise for revolutionizing cancer supportive care.



### Simple Habits for a Healthier Life Enhance your lifespan with these longevity hacks

Soak in sunlight within an hour of waking to boost your well-being.



Energize your muscles with a brief plank or wall sit-up routine.



Cultivate inner calm through dedicated breath work practices.







Foster longevity by prioritizing frequent social interactions.



Strengthen cognitive resilience to navigate life's challenges.



Explore the benefits of intermittent fasting and time-restricted eating.



Embrace mindfulness as a key component of your longevity journey.

Achieve fitness goals with snacksized, efficient workouts.









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