Cancer Development

Genetic Factors

Cancer cell

Aging

Immune Function Decline

Environmental Factors

cigarette chemicals

virus alcohol

radiation

Mal-nutrition

Overwork

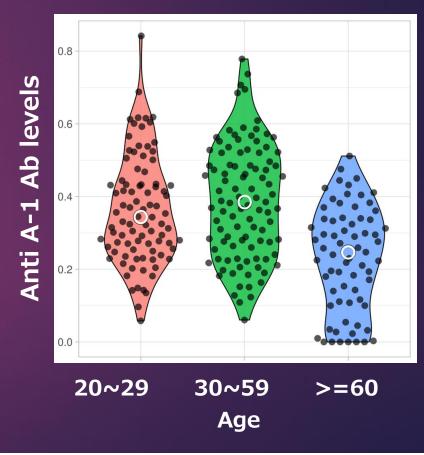
Lack of sleep

Mental stress

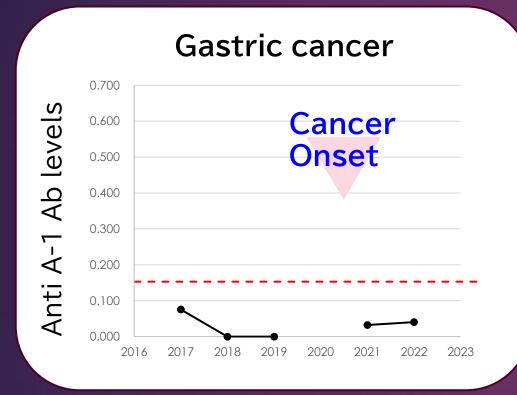
Cancer Risk Prediction via detection of preceding immune function decline ImmGenk

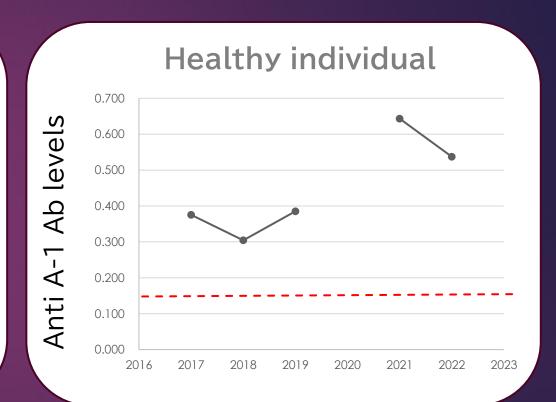
Latently infected virus-associated protein anti A-1 antibody

We focused on a virus that latently infects nearly all humans. Its viral proteins continuously stimulate the host's immune system. This biomarker evaluates the immune response-specifically antibody productionagainst the virus-associated protein A-1(undisclosed), providing insight into host immune function. When immune function is compromised, cancer cells can proliferate unchecked, increasing the risk of cancer development.

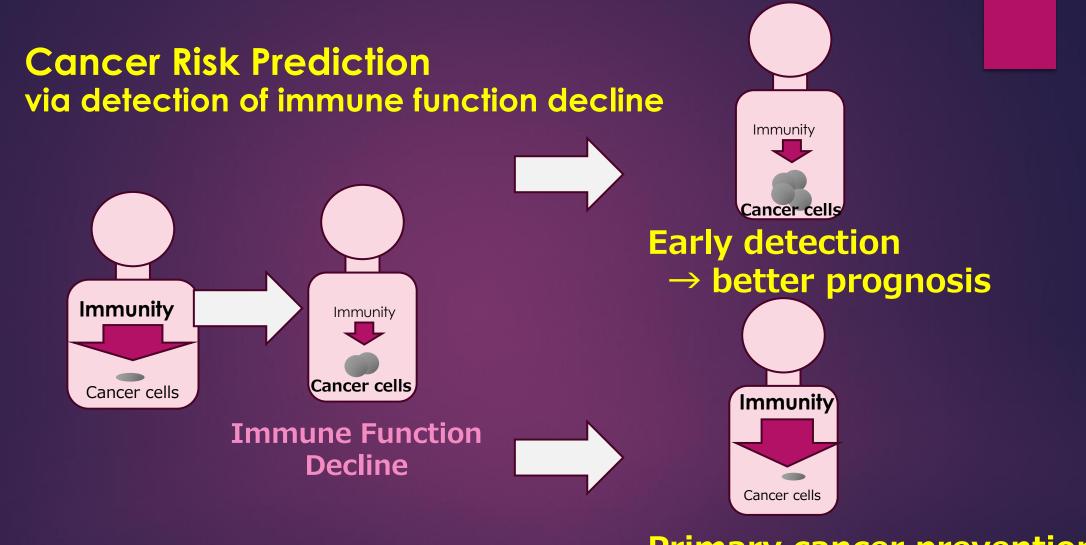


Decrease in anti A-1 Ab levels before cancer onset





Examples include colon cancer and melanoma.



Primary cancer prevention