

# Changes in Cancer Screening Rates in Japan Post-COVID-19 Pandemic

(COVID-19の後の日本におけるがん検診の変化)

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# Outlines

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- **Background/Research Problem**
- **Research Objectives/Question**
- **Methodology and Data**
- **Reference List**

# BACKGROUND

## Cancer: A Global and National Concern

A leading cause of death globally がんは死亡原因の第一位である



## Prevention of Cancer & Early Detection

### Healthy lifestyle

Cancer Screening is one of the most effective way to reduce cancer deaths<sup>4</sup>  
がん検診は死亡を減らすことができる

## Impact of COVID-19 Pandemic

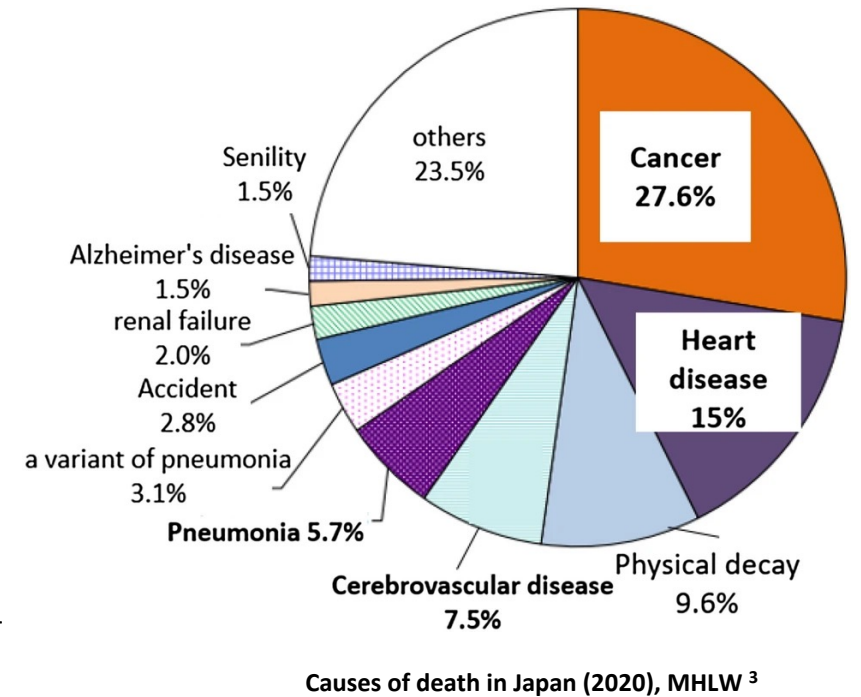
Disruption of health services worldwide, including cancer screening

Screening rates declined worldwide, in Japan **by 10-30%** during the pandemic<sup>5</sup> 新型コロナによるがん検診減少<sup>6</sup>

## Long-Term Effects

Large scale disasters are known to have long-term negative effect on cancer screening

Example: The Great East Japan Earthquake<sup>6,7</sup> 東日本大震災により福島県のがん検診にも影響が出た



# OBJECTIVES

## Aim/Objectives

- Monitor cancer screening rates three years after the pandemic (2021, 2022 & 2023) がん検診を3年間観察する
- Identify social demographic factors influencing cancer screening participation
- Determine groups marginally affected for targeted interventions 主に影響を受けた人々を特定する
- Provide evidence base information to guide health policy.  
公衆衛生に役立つ正確な情報を提供する

Social Determinants of Health
Age
Gender
Race
Marital Status
Income
Education
Occupation/Employment Status
Geographical Location
Social Network
Health Behaviour

## Research Question

How have cancer screening rates changed in three years following the COVID-19 pandemic? 新型コロナウイルス感染症から3年でがん検診はどう変わったのか

What sociodemographic factors have influenced these changes?

社会的、経済的不平等はどのような影響を受けますか



# METHOD

## Data Source

### The Japan COVID-19 and Society Internet Survey

住民の健康と社会活動を守りたい！  
日本における新型コロナウイルス感染症（COVID-19）問題による  
社会・健康格差評価研究



### 3 years Information from Participants responses

2021	2022	2023
31,000 Participants	32,000 Participants	33,000 Participants

## Study Variables

Cancer Screening Participation

Sociodemographic Information

### Data Analysis データ分析

Descriptive Analysis for annual screening rates

Inferential Analysis for sociodemographic factors

**Ethical Approval** 機密情報は研究目的でのみ使用されます  
JACSIS study approved by Research Ethics Committee of the  
Osaka International Cancer Institute (Approval No. 20084-2)  
All participants granted informed consent  
Non-identifiable data

**THANK YOU VERY MUCH FOR YOUR TIME!**

# REFERENCE

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4. [Cancer Screening, National Cancer Institute](https://www.cancer.gov/about-cancer/screening/patient-screening-overview-pdq) <https://www.cancer.gov/about-cancer/screening/patient-screening-overview-pdq>
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