



ISSUE PANELS

OVERDIAGNOSIS AND ITS EXCESS COST FOR CANCER SCREENING

Moderator: Tony Hsiu-Hsi Chen, PhD



國立臺灣大學 公共衛生學院  
College of Public Health, National Taiwan University



Speakers: Amy Ming-Fang Yen, PhD



Sherry Yueh-Hsia Chiu, PhD



Chisato Hamashima, PhD

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Economic Evaluation of Overdiagnosis in Population-based Screening

**NO Trade-off**

• **Harm**

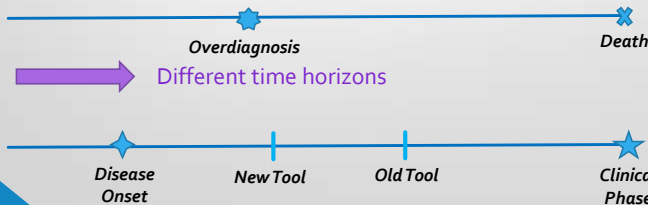
- Five overdiagnosed cases (*not*) to avert one breast cancer (BC) death
- Miss **X** cases (*losing chance*) to avert one BC death (Harm from false negative)

• **Benefit**

- **Y** true cases to avert one BC death
- The **majority** of negative cases to avert one death

← Reassurance  
(Often been neglected)

**NO Time Dimension**





## Summary

- Economic evaluation with high quality of health economic decision model for dealing with over-diagnosis in population-based cancer screening is urgently needed.
- Economic evaluation for precision population-based cancer screening is strongly recommended to reach value-based health care.

