

# Division of Cancer Prevention: Collaborations with China

Joint Meeting of the National Cancer Advisory Board  
and the Board of Scientific Advisors

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# Primary Collaborations with China

- Cancer Screening Trial Feasibility Study
- China Early Detection Research Network
- Chinese Translation of the PDQ Database

## ***Primary Collaborators:***

- *National Institute/Hospital of Chinese Academy of Medical Sciences, National Cancer Center (CICAMS, NCC)*
- *DCP serving in an advisory capacity, providing consultation and technical support*
- *NCI Office of Communications and Public Liaison*

# China Cancer Screening Trial Feasibility Study

- Lung and colorectal cancer screening
- Confirm NLST results in Chinese urban population
- Practicability of population-based screening for colorectal cancer in China
- Feasibility study for a long-term randomized 3-arm screening trial

# Feasibility Study Design

- 3 Cities in Urban China (socioeconomic status)  
Hangzhou (high), Changsha (middle), Lanzhou (low)
- 3 Study Arms (2700 participants; 900 in each center)
  - 1) Helical chest CT exam annually + one-time colonoscopy
  - 2) Helical chest CT biennially + OC-FIT for colon cancer annually
  - 3) Septin9 + InSureFIT for colon cancer annually

# Study Timeline

- May 2013: Memorandum of Understanding signed
- June 2014: China IRB study approval
- Sep 2014: Began recruitment/enrollment
- Sep 2014 - Mar 2015: T<sub>0</sub> Baseline screenings
- Aug - Dec 2015: T<sub>1</sub> screenings
- Aug - Dec 2016: T<sub>2</sub> screenings

## Center Recruitment by Province (*Main City*)

	<b>Gansu</b> <i>Lanzhou</i> (lower SES)	<b>Hunan</b> <i>Changsha</i> (middle SES)	<b>Zhejiang</b> <i>Hangzhou</i> (higher SES)	<b>TOTAL</b>
<b>Invited</b>	11,231	8,000	1,500	20,731
<b>Eligible</b>	4,680	1,500	1,003	7,183
<b>Randomized</b>	900	904	900	2,704

# LDCT Screening Preliminary Data (April 15, 2015, by Province, *Main City*)

	<b>Gansu <i>Lanzhou</i></b>	<b>Hunan <i>Changsha</i></b>	<b>Zhejiang <i>Hangzhou</i></b>
<b># Screened</b>	<b>543</b>	<b>519</b>	<b>542</b>
<b>CT Lung Abnormality</b>			
<b>Yes</b>	436 (80.3%)	469 (90.4%)	336 (62.0%)
<b>No</b>	107 (19.7%)	50 (9.6%)	206 (38.0%)
<b>Non-calcified Nodule/Mass</b>			
<b>&lt;4mm</b>	0 (0.0%)	87 (18.6%)	53 (15.8%)
<b>≥4mm</b>	14 (3.2%)	36 (7.7%)	47 (14.0%)

# China Early Detection Research Network (China-EDRN)

- China's leadership interest in establishing an EDRN infrastructure to meet China's needs
- Joint monthly U.S.-China conference calls
- US-EDRN informatics center (Jet Propulsion Laboratory) assisting in establishing China databases
- Collaborative research opportunities with China-EDRN investigators
- China Visiting Scientist at NCI, Apr-Oct 2015

## Chinese Translation of the PDQ Database

- Collaboration with NCI's Office of Communications and Public Liaison
- Extending the reach of PDQ cancer information to the Chinese-speaking health professionals
- Pilot phase: Health professional summaries and supporting documents for six cancer types of highest public health interest in China
- Translation and review by content experts completed May 2015
- Construction of website underway



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