

Public-Private Partnerships (PPPs) in Cancer Research

Dinah S. Singer, Ph.D.

Deputy Director for Scientific Strategy and Development,
National Cancer Institute

October 17, 2023

*National Academies of Sciences, Engineering, and Medicine
Optimizing Public-Private Partnerships for Clinical Cancer Research*

I have no disclosures.

NCI's Definition of a Public-Private Partnership

“A Public-Private Partnership (PPP) is an agreement to work in concert with a nonfederal party or parties *to advance mutual interests to improve health.*”

Purpose of NCI PPPs:

- Improve understanding of cancer
- Accelerate progress in cancer research
- Foster collaboration to advance cancer research

NCI Guiding Principles

The PPP...



Should be undertaken for the public good



Should address important scientific questions of high priority to the NCI mission with clearly articulated goals



Must be scientifically meritorious and address unmet needs



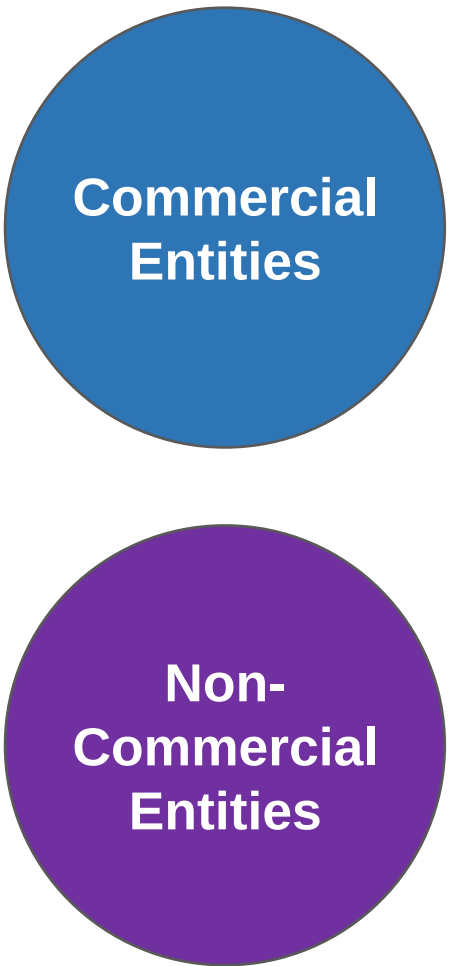
Should leverage both NCI and partner resources to accomplish the scientific goals that would not be possible by either party alone



Should promote the generation of knowledge for public use, and be fair, transparent, and inclusive

NCI Engages in a Variety of PPPs

NCI engages in a wide range of PPPs through collaborations with:



The diagram consists of two circles, one blue and one purple, arranged vertically. The blue circle is labeled 'Commercial Entities' and is associated with a list of two items: 'Pharmaceutical companies' and 'Biotechnology companies'. The purple circle is labeled 'Non-Commercial Entities' and is associated with a list of four items: 'Academic institutions', 'Research organizations', 'Patient advocacy groups', and 'Foundations'. The text in the circles and the list items is color-coded to match their respective categories.

Commercial Entities

- **Pharmaceutical companies**
- **Biotechnology companies**

Non-Commercial Entities

- **Academic institutions**
- **Research organizations**
- **Patient advocacy groups**
- **Foundations**

NCI Engages in a Variety of PPPs

- Partnership **scope, size, structure and governance** are determined by its goals:

- ✓ Joint conferences
- ✓ International research efforts
- ✓ Multi-party agreements
- ✓ Multi-site studies

The scope of the partnership can span the spectrum of cancer research:

- ✓ basic
- ✓ translational
- ✓ clinical
- ✓ population science

Examples of NCI Partnerships

Non-Commercial Entities

Non-Commercial Entities:

- Academic institutions
- Research organizations
- Patient advocacy groups
- Foundations

Basic science research

- ✓ **Cancer Grand Challenges**



Translational research

- ✓ **HPV Serology Lab**
- ✓ **HPV Vaccine trials in Costa Rica**



Clinical research

- ✓ **Lung-MAP**



Commercial Entities:

- Pharmaceutical companies
- Biotechnology companies

Examples of NCI Partnerships

Commercial Entities

Grants

- ✓ **Small Business Innovation Research (SBIR) Phase 2b**
- ✓ **Academic Industrial Partnerships program**

Cooperative Research and Development Agreements (CRADAs)

- ✓ **National Clinical Trials Network (NCTN)**
- ✓ **NCI formulary**
- ✓ **Intramural NCI basic and translational research**

Foundation for the National Institutes of Health (FNIH)

- ✓ **Partnership to Accelerate Cancer Therapies (PACT)**
- ✓ **Liquid Biopsy Consortium**

Concluding Thoughts on Success and Looking Forward

Hallmarks of a Successful Public-Private Partnership:

- ✓ **Trust**
- ✓ **Clear understanding** of where interests are shared and where they differ
- ✓ **Agreed approaches to IP rights and data sharing**



Successful PPPs have been instrumental in moving science and medicine forward.



NCI is committed to PPPs when it is in the interest of the public good.

Thank you!

Dinah.Singer@nih.gov

www.cancer.gov

www.cancer.gov/espanol

1-800-4-CANCER

NCInfo@nih.gov

@TheNCI



**NATIONAL
CANCER
INSTITUTE**