



Shanksville



New York City



Pentagon

World Trade Center Health Program (WTCHP) Research

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Presentation Outline

- **Research Program Overview**
- **Research Evaluation**
 - Steps to Implementation
 - Tools—Publication Database, Research Compendium, Specialty Workshops/Grantee Meetings
- **Portfolio Summary**
 - Summary of WTC Health Registry Scientific Outputs
 - Summary of Portfolio Scientific Outputs (Individual PI Projects)
 - Feasibility of Children’s Cohort Expansion

WTC Research Program Overview

Goal

Investigate the physical and mental health impact/burden on the WTC Population

Agenda/Scope

- Investigate new links between 9/11 exposures and adverse health effects
- Further characterize WTC-related health effects
- Examine the health & development of children exposed on 9/11
- Investigate and improve disaster-related health-services

Research Impact

Utilize research findings to improve treatment for responders and survivors and inform the Research Agenda

Research Evaluation

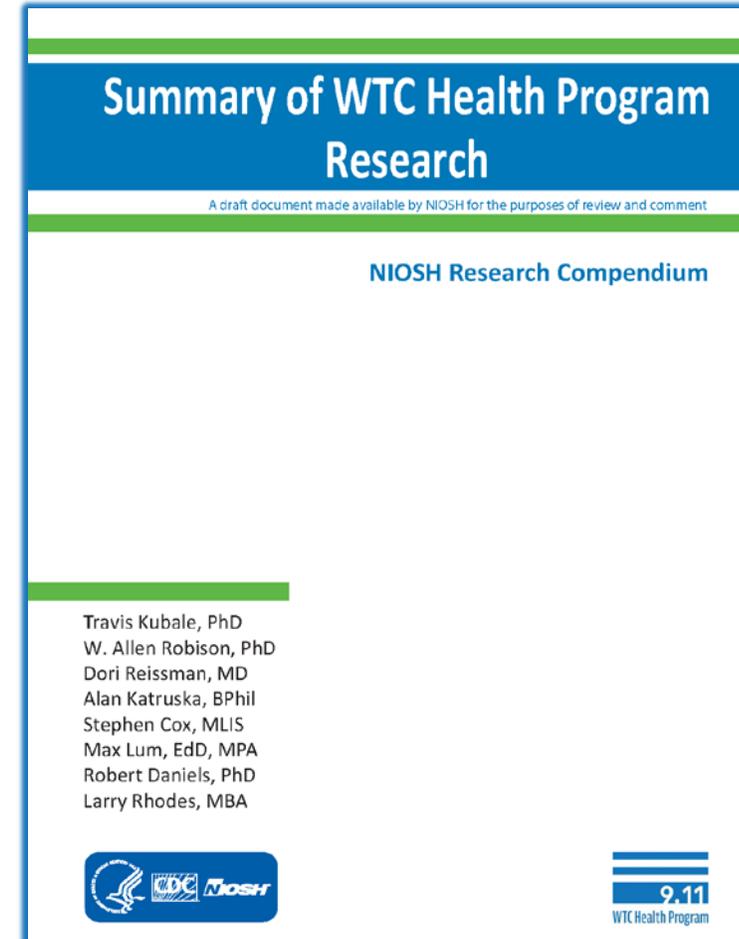
- **Collect and Organize Data**
 - Publication Database
 - Research Compendium
 - Grantee Meetings and Specialty Workshops—presentations and transcripts
- **Synthesis of Data**
 - Publishable document or technical report outlining key research findings, gaps, and recommendations
- **Results**
 - Modify Research Agenda
 - Improve Care (diagnosis and treatment)
 - Communicate findings to clinicians, researchers, and the public

WTC Research Publication Database

- **1,363 WTC Research Publications (2001-Present)**
 - Publications cited by the NYC Mayor’s Working Group
 - Publications from the 2016 AJIM “*Special Issue: Health Effects of 911: Fifteen-Year Reports*”
 - Conference abstracts
- **All Publications Listed in the WTC Research Compendium**
 - Data Center Publications: 2002 – Present (FDNY, NYC H+H, and Mount Sinai)
 - WTC Health Registry Publications: 2006 – Present
 - WTC Research Program Publications: 2011 – Present

WTC Research Compendium

- **Provides Necessary Information**
 - Assess future research directions
 - Assess the impact of current studies
 - Identify research gaps
 - Conduct structured reviews
- **Key Content Areas**
 - Publications (pre- and post- Zadroga)
 - Recommendations to the WTCHP
 - Listing of all projects funded



Research Compendium 2002 – 2009 (Pre-Zadroga)

- **Medical Programs/Data Centers Established**
 - 209 publications to-date (FDNY, Mount Sinai, and NYC H+H)
- **WTC Health Registry Established**
 - 83 publications to-date
- **NYC Mayor's Working Group (2007 – 2011)**
 - Recommendation categories—research and evaluation, education, and funding

Research Compendium 2010 – Present

- **Zadroga Act Passed by Congress (2011)**
 - Establishes Federal Funding for Research and Registry
- **Initiation and Development of the WTC Research Program**
 - Research Awards To-Date
 - Research Contracts (8)
 - Research Cooperative Agreements (58)
 - Continuation of the WTC Health Registry

Specialty Workshops

- **Workshops Conducted**
 - Respiratory Disease
 - Mental Health Respiratory Disease Comorbidity
- **Questions**
 - What is known based on research results?
 - What has been the impact on treatment?
 - What are the current research gaps?
 - What are the recommended future research directions?
- **Product(s)**
 - Meeting transcript and Research Recommendations

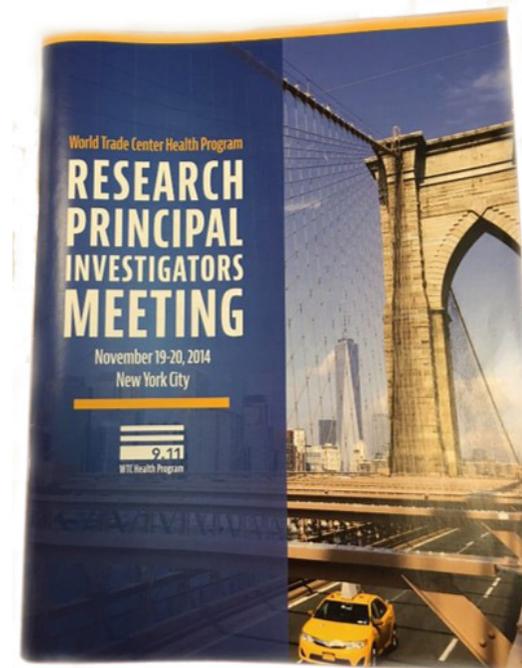
World Trade Center
Research Principal Investigators
Autumn-Winter Meeting

November 15 – 16, 2017
New York City



Specialty Workshops Planned

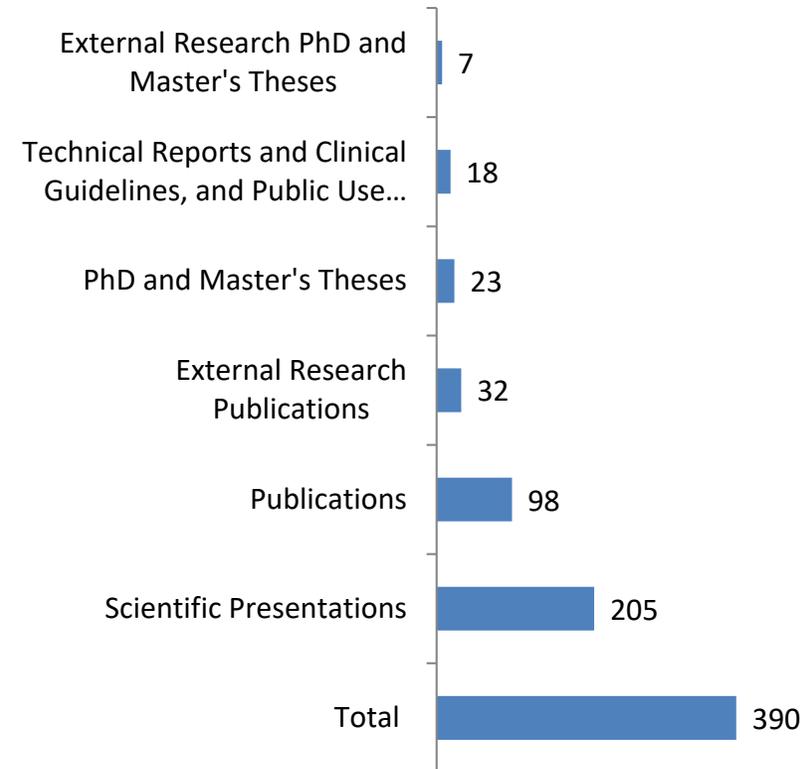
- **June 2018**
 - WTC Research Needs: A Clinical Perspective (CCE Directors)
- **November 2018**
 - WTC Cancer Research
- **June 2019**
 - WTC Children's Research
- **November 2019**
 - WTC Emerging Conditions



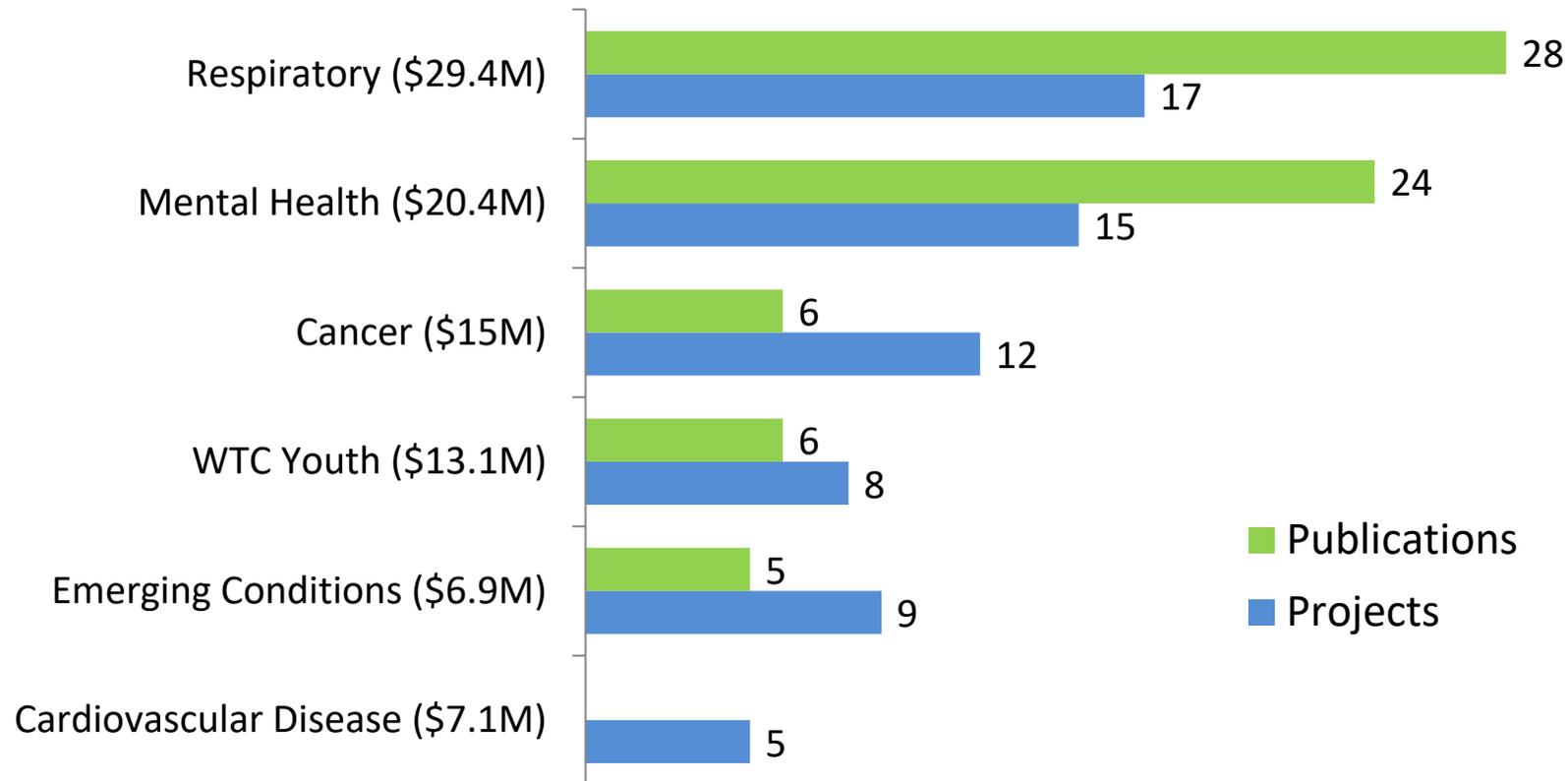
WTC Health Registry

- **Voluntary enrollment of responders and residents (N=71,437)**
 - 30,665 responders
 - 40,772 residents (excl. responders)
 - 3,251 <18 years old on 9/11
 - ~17% enrollment of eligible pop.
- **Data gathering for research**
 - Mortality, cancer, and clinical data
 - Periodic surveys (“waves”) every 3 to 4 years
 - In-depth/clinical studies of selected subgroups

Scientific Outputs 2004 – 2017



Awarded Projects (N=66) and Publications by Focus Area (2011–2018)



Excludes WTC Health Registry projects

WTC Children's Cohort Expansion

- **Assess the feasibility of expanding the Children's Cohort**
 - Determine the availability of NYC Department of Education (DOE) school directory information
 - Develop a protocol for feasibility assessment
 - Develop the required public notification communication
- **Potential Benefits**
 - Evaluation of Health and Educational Outcomes
 - Expansion of non-WTC-Exposed Comparison Group

2018 Research Calendar

March - April

- Progress Reports for all Current Projects (March 1)
- Scientific Peer Review of 2018 Study Proposals (April 11 – 12)

June - July

- Spring/Summer WTC Research Grantee Meeting (June 13 – 14)
- Award Notices for the selected 2018 studies (early July)

November - December

- Letter of Intent (LOI) for 2019 research applications (due November 1)
- Autumn/ Winter WTC Research Grantee Meeting (November 14 – 15)
- 2018 WTC research applications (due December 4)

WTCHP Research Portfolio Information

- **Research Web site:**
 - <https://wwwn.cdc.gov/ResearchGateway>
- **Research Projects:**
 - <https://wwwn.cdc.gov/ResearchGateway/ResearchProjects>
- **New Research FOA:**
 - <https://grants.nih.gov/grants/guide/pa-files/PAR-16-098.html>
- **WTC Health Registry:**
 - <http://www1.nyc.gov/site/911health/index.page>

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Questions