

A Brief Overview of World Trade Center Health Program Research

The NIOSH Office of Extramural Programs

February 14, 2014

World Trade Center Scientific Technical Advisory
Committee Meeting

Overview

- Current Research Announcement
- Number of projects
- Project Focus Areas
- Project Population Focus
- Additional Information

WTCHP Research Funding Announcement

Announcement published: March 2012

Applications received: May 2012

Incorporated input from experts, including the STAC

Guided applicants by providing information on

- Major areas of interest
- Relevant diseases or conditions
- Population focus
- Contacts for Data Centers

Guidance to Reviewers on Disaster Science

Goals

- Stimulate meritorious investigator-initiated applications
- Encourage collaboration

WTCHP Research Portfolio

2011—Eight projects funded

3-year projects

Four have published results

2012—Eleven projects funded

Five 2-year projects

Six 4-year projects (including renewal of the WTC Health Registry*)

2013—Six projects funded

Three 3-year projects

Three 2-year projects

25 total research projects

* The Registry includes multiple projects and research focus areas, and has published 15 research articles since 2012

Focus of Research Funded in 2011 (8 Projects)

<i>Studies with a Mental Health Focus (3)</i>	
PI	Study Title
Feder	<i>Trajectories of Psychological Risk and Resilience in WTC Responders</i>
Bromet	<i>Burden of Mental-Physical Co-morbidity in WTC Responders</i>
Bromet	<i>Enhanced Smoking Cessation Intervention for WTC Responders</i>
<i>Study with a Respiratory Disease Focus (1)</i>	
Berger	<i>Evaluation of Distal Airway Injury Following Exposure to WTC Dust</i>
<i>Studies with a Cancer Focus (2)</i>	
Bonfetta	<i>Cancer Among WTC Responders: Enhanced Surveillance, Exposure Assessment, and Cancer Specific Risks</i>
Prezant	<i>Cohort Studies of Incident Cancers in the FDNY WTC Responder Population</i>
<i>Studies with a Cardiovascular Disease Focus (2)</i>	
Morabia	<i>CVD Health Impact & Prediction of Incident CVD Events among WTC Responders</i>
McLaughlin	<i>Pulmonary Function Abnormalities, Diastolic Dysfunction and WTC Exposure</i>

Focus of Research Funded in 2012

(11 Projects)

<i>Studies with a Respiratory Disease Focus (6)</i>	
PI	Study Title
Aldrich	<i>Bronchial Reactivity And The Course of Lung Function after WTC Exposure</i>
Hall	<i>For how long is WTC exposure associated with incident airway obstruction</i>
de la Hoz	<i>Pulmonary Diseases in WTC Workers: Symptoms, Function, & Chest CT Correlates</i>
Sunderram	<i>Obstructive Sleep Apnea in WTC Responders: Role of Nasal Pathology</i>
Wisnivesky	<i>Prognosis and Determinants of Asthma Morbidity in World Trade Center Rescue and Recovery Workers</i>
Luft	<i>Epigenetic Linkage Between PTSD and Respiratory Disease in WTC Responders</i>

Focus of Research Funded in 2012 (Continued)

Studies with a Mental Health Focus (3)

PI	Study Title
Feder	<i>Biomarkers of Psychological Risk and Resilience in World Trade Center Responders</i>
Hoven	<i>The Impact of 9/11 on Youth: Mental Health, Substance Use & Other Risk behaviors</i>
Hoven	<i>Service Need and Use among Youth Exposed to the WTC Attack</i>

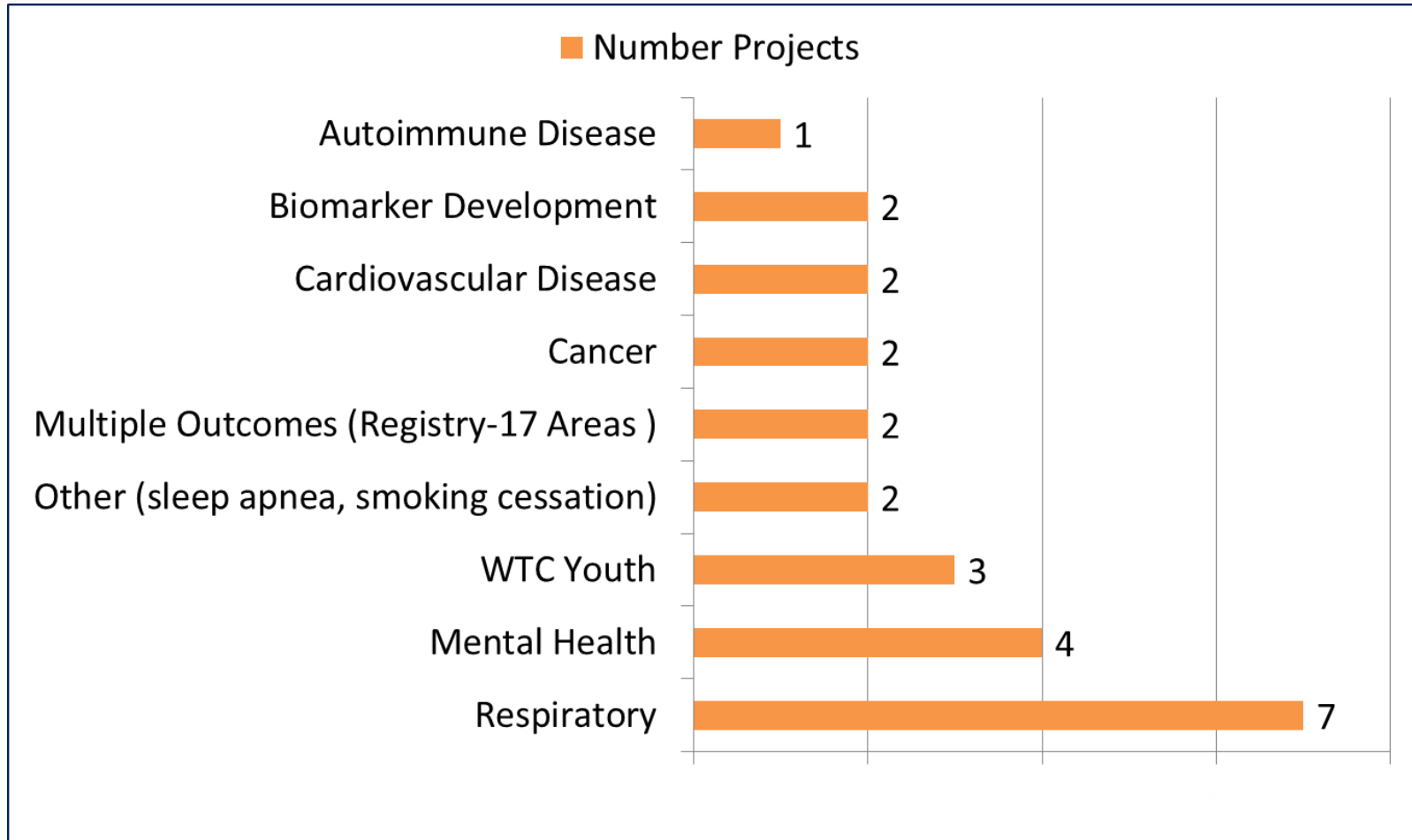
Studies with a Surveillance Multiple Outcome Focus (2)

Farfel	<i>Extension of the World Trade Center Health Registry</i>
Kim	<i>Health and Socioeconomic Sequelae of the WTC Disaster Among Responders</i>

Focus of Research Funded in 2013 (6 Projects)

<i>Studies with a Bio Marker Development Focus (2)</i>	
PI	Study Title
Taioli	<i>Prostate Cancer Risk and Outcome in WTC Respondents</i>
Marmor	<i>Trace Elements in Autopsy Tissues from World Trade Center Decedents</i>
<i>Adolescent Physical Health (1); Respiratory Disease (1); Autoimmune (1); Mental Health (1)</i>	
Trasande	<i>Early Identification of World Trade Center Conditions in Adolescents</i>
Reibman	<i>Uncontrolled Lower Respiratory Symptoms in the WTC Survivor Program</i>
Webber	<i>Post-9/11 Incidence of Systemic Autoimmune Diseases in the FDNY Cohort</i>
Gonzalez	<i>Mind Body Treatment for WTC Responders with Comorbid PTSD and Respiratory Illness</i>

Study Focus Summary



Research Population Focus

- **Responders**
18 of 25 projects
- **Survivors**
3 of 25 projects (WTC Youth)
- **Responders and Survivors**
4 of 25 projects

Communication Methods

- WTC Health Program Website
<http://www.cdc.gov/wtc/index.html>
- WTC Health Research Website
<http://www.cdc.gov/wtc/wtcresearch.html>
- Grantee Meetings (2 each year)
- Scientific Publications
- Scientific Meetings

NIOSH Office of Extramural Programs

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Through partnerships we make
the best science possible.
Thank you!