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| #   | Add/Remove Selection     | Identifier  | Abstract  | Principal Investigator   | Annual/Final Reports | Pubs Count                                       | Institution  | Grant Representative   | Gr Ar                       |
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| <b>&lt;&lt; STAR GRANTS AND STAR CENTERS &gt;&gt;</b> |                          |   |   |  |                      |  |  |  |                             |
| 1   | <input type="checkbox"/> | R835872C004<br><u>Centers</u><br><br>- This is a subproject of the <u>Regional Air Pollution Mixtures</u>   | <u>A Causal Inference Framework to Support Policy Decisions by Evaluating the Effectiveness of Past Air Pollution Control Strategies for the Entire United States</u> | Dominici, Francesca<br>Zigler, Corwin<br>Barrett, Steven<br>Mickley, Loretta J.<br>Schwartz, Joel<br><br>- Principal Investigators listed are sub-PIs determined by the center.  | <u>2016</u>          | Total Pubs: 7<br>Journals: 1<br>-- No Books --   | <b>Harvard University</b> ,<br>Massachusetts<br>Institute of<br>Technology       | EPA Project Officer(s) for Regional Air Pollution Mixtures<br><br>Grant Number R835872:<br><br>Ilacqua, Vito   | Re<br>me<br>ab<br>fun<br>de |
| 2   | <input type="checkbox"/> | R835872<br><u>Centers</u><br><br>- Main center abstract - <u>Regional Air Pollution Mixtures</u>  | <u>Regional Air Pollution Mixtures: The past and future impacts of emissions controls and climate change on air quality and health</u>                                | Koutrakis, Petros<br>Coull, Brent<br>Dominici, Francesca<br>Schwartz, Joel<br>Selin, Noelle Eckley<br><br>- Principal Investigators listed are sub-PIs determined by the center.   | <u>2016</u>          | Total Pubs: 22<br>Journals: 22<br>-- No Books -- | <b>Harvard University</b> ,<br>Massachusetts<br>Institute of<br>Technology       | Ilacqua, Vito  | \$1                         |
| 3   | <input type="checkbox"/> | R836156C001<br><u>Centers</u><br><br>- This is a subproject of the <u>Disparities in Exposure and Health Effects of Multiple Environmental Stressors Across the Life Course</u> | <u>Multi-Exposure Epidemiology across the Life Course</u>   | Zanobetti, Antonella<br>Baccarelli, Andrea<br>Cook, John T.<br>Dominici, Francesca<br>Hart, Jamie<br>Laden, Francine<br>Sandel, Megan T<br>Schwartz, Joel<br>Subramanian, Sankaran<br><br>- Principal Investigators listed are sub-PIs determined by the center. |                      |  | <b>Boston University</b> ,<br>Harvard T.H.<br>Chan School<br>of Public<br>Health | EPA Project Officer(s) for Disparities in Exposure and Health Effects of Multiple Environmental Stressors Across the Life Course<br><br>Grant Number R836156:<br><br>Breville,<br>Maggie | Re<br>me<br>ab<br>fun<br>de |
|   |                          |   | <u>The Effect of Air Pollution Control on</u>   |  |                      |  | <b>Harvard T.H. Chan School</b>  |  |                             |

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|---|--------------------------|---|--|--|---|--|---|--|-----------------------------|
| 4 | <input type="checkbox"/> | R834894<br><u>Grant</u>   | <u>Life Expectancy in the United States: A Population-Based Analysis of Major Metropolitan Areas</u>                     | Dominici, Francesca<br>Dockery, Douglas W.<br>Ezzati, Majid<br>Pope, Clive Arden   | <u>2012</u><br><u>2013</u><br><u>Final</u>  | Total Pubs: <u>36</u><br>Journals: <u>24</u><br>-- No Books --   | <b>of Public Health,</b><br>Brigham Young University, Imperial College, The Johns Hopkins University      | Ilacqua, Vito  | \$3                         |
| 5 | <input type="checkbox"/> | R834900<br><u>Grant</u>   | <u>Are Diabetics and the Neurologically Impaired at Increased Risk from Air Pollutant Exposures? A National Analysis</u> | Zanobetti, Antonella<br>Dominici, Francesca<br>Koutrakis, Petros<br>Schwartz, Joel<br>Wang, Yun  | <u>2011</u><br><u>2012</u><br><u>2013</u><br><u>Final</u>   | Total Pubs: <u>17</u><br>Journals: <u>9</u><br>-- No Books --    | <b>Harvard T.H. Chan School of Public Health,</b> The Johns Hopkins University                            | Ilacqua, Vito  | \$2                         |
| 6 | <input type="checkbox"/> | R834798<br><u>Centers</u><br><br>- Main center abstract - <u>Air Pollution Mixtures: Health Effects across Life Stages</u>          | <u>Air Pollution Mixtures: Health Effects Across Life Stages</u>   | Koutrakis, Petros<br>Bell, Michelle L.<br>Coull, Brent<br>Diaz, Edgar<br>Dominici, Francesca<br>Gillman, Matthew<br>Godleski, John J.<br>Gold, Diane R.<br>Lawrence, Joy<br>Mittleman, Murray<br>Oken, Emily<br>Schwartz, Joel<br>Wolfson, Michael<br>Zanobetti, Antonella<br><br>- Principal Investigators listed are sub-PIs determined by the center. | <u>2010</u><br><u>2011</u><br><u>2012</u><br><u>2013</u><br><u>2014</u><br><u>2015</u><br><u>2016</u><br><u>Final</u> | Total Pubs: <u>295</u><br>Journals: <u>241</u><br>-- No Books -- | <b>Harvard University,</b> Harvard T.H. Chan School of Public Health, Yale University                     | Ilacqua, Vito  | \$7                         |
| 7 | <input type="checkbox"/> | R834798C005<br><u>Centers</u><br><br>- This is a subproject of the <u>Air Pollution Mixtures: Health Effects across Life Stages</u> | <u>A National Study to Assess Susceptibility, Vulnerability, and Effect Modification of Air Pollution Health Risks</u>   | Dominici, Francesca<br>Bell, Michelle L.<br>Schwartz, Joel<br>Zanobetti, Antonella<br><br>- Principal Investigators listed are sub-PIs determined by the center.   | <u>2010</u><br><u>2011</u><br><u>2012</u><br><u>2013</u><br><u>2014</u><br><u>Final</u>                               | Total Pubs: <u>60</u><br>Journals: <u>59</u><br>-- No Books --   | <b>Harvard University,</b> Yale School of Forestry & Environmental Studies                                | EPA Project Officer(s) for Air Pollution Mixtures: Health Effects across Life Stages<br><br>Grant Number R834798:<br><br>Ilacqua, Vito | Re<br>mi<br>ab<br>fun<br>de |
| 8 | <input type="checkbox"/> | R833863<br><u>Grant</u>   | <u>Spatial temporal analysis of health effects associated with sources and speciation of fine PM</u>                     | Fuentes, Montserrat<br>Bell, Michelle L.<br>Dominici, Francesca<br>Frey, H. Christopher<br>Reich, Brian<br>Zhang, Yang   | <u>2009</u><br><u>2010</u><br><u>2011</u><br><u>2012</u><br><u>Final</u>  | Total Pubs: <u>85</u><br>Journals: <u>44</u><br>-- No Books --   | <b>North Carolina State University,</b> Harvard University, The Johns Hopkins University, Yale University | Ilacqua, Vito  | \$8                         |
| 9 | <input type="checkbox"/> | R833622<br><u>Grant</u>   | <u>Statistical Models for Estimating the Health Impact of Air Quality Regulations</u>                                    | Dominici, Francesca<br>Peng, Roger D.<br>Rava, Marta<br>Samet, Jonathan M.<br>White, Ronald H.<br>Zeger, Scott L.  | <u>2008</u><br><u>2009</u><br><u>Final</u>  | Total Pubs: <u>14</u><br>Journals: <u>14</u><br>-- No Books --   | <b>Harvard T.H. Chan School of Public Health, The Johns Hopkins University</b>                            | Louie, Nica  | \$5                         |
|   |                          | R832417C001<br><u>Centers</u>   |  | Dominici, Francesca  | <u>2006</u>   |  |   | EPA Project Officer(s) for Johns Hopkins   |                             |

|    |                          |  |   |   |  |   |   |   |                               |
|----|--------------------------|--|---|---|--|---|---|---|-------------------------------|
| 10 | <input type="checkbox"/> | - This is a subproject of the <u>Johns Hopkins Particulate Matter Research Center</u>                          | <u>Estimation of the Risks to Human Health of PM and PM Components</u>  | Peng, Roger D.<br>Bell, Michelle L.<br>Samet, Jonathan M.<br>Zeger, Scott L.<br><br>- Principal Investigators listed are sub-PIs determined by the center.  | <u>2007</u><br><u>2008</u><br><u>2009</u><br><u>Final</u>                | Total Pubs: <u>41</u><br>Journals: <u>34</u><br>Books: <u>2</u> | <b>The Johns Hopkins University</b> , Yale University   | Particulate Matter Research Center<br><br>Grant Number R832417:<br><br>Hunt, Sherri | Re<br>m<br>a<br>b<br>fu<br>de |
| 11 | <input type="checkbox"/> | R832417 <u>Centers</u><br><br>- Main center abstract - <u>Johns Hopkins Particulate Matter Research Center</u> | <u>Johns Hopkins Particulate Matter Research Center</u>   | Samet, Jonathan M.<br>Bell, Michelle L.<br>Breyse, Patrick N.<br>Chillrud, Steven<br>DeCastro, Rey<br>Dominici, Francesca<br>Garcia, Joe<br>Geyh, Alison<br>Irizarry, Rafael<br>Natarajan, Viswanathan<br>Ondov, John M.<br>Peng, Roger D.<br>Spannhake, Ernst<br>Zeger, Scott L.<br><br>- Principal Investigators listed are sub-PIs determined by the center. | <u>2006</u><br><u>2007</u><br><u>2008</u><br><u>2009</u><br><u>Final</u> | Total Pubs: <u>62</u><br>Journals: <u>42</u><br>Books: <u>2</u> | <b>The Johns Hopkins University</b> , Columbia University (Lamont Doherty Earth Observatory) (JHPMRC), University of Chicago, University of Maryland, Yale University | Hunt, Sherri  | \$7                           |
| 12 | <input type="checkbox"/> | R830548 <u>Grant</u>   | <u>Chronic and Acute Exposure to Ambient Fine Particulate Matter and Other Air Pollutants: National Cohort Studies of Mortality and Morbidity</u> | Samet, Jonathan M.<br>Dominici, Francesca<br>Geyh, Alison<br>Louis, Thomas A.<br>McDermott, Aidan<br>Parent, Stephen T.<br>Wyant, Timothy<br>Zeger, Scott L.  | <u>2003</u><br><u>2004</u><br><u>2005</u><br><u>Final</u>                | Total Pubs: <u>11</u><br>Journals: <u>11</u><br>-- No Books --  | <b>The Johns Hopkins University</b> , Decipher, Health Systems Innovations  | Hunt, Sherri  | \$1                           |

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| 13 | <input type="checkbox"/> | R828112C123 <u>Centers</u><br><br>- This is a subproject of the <u>Health Effects Institute (2000 - 2005)</u> | <u>Time-Series Analysis of Air Pollution and Mortality: A Statistical Review</u> | Dominici, Francesca<br><br>- Principal Investigators listed are sub-PIs determined by the center. |  |  | <b>The Johns Hopkins University</b> | EPA Project Officer(s) for Health Effects Institute (2000 - 2005)<br><br>Grant Number R828112:<br><br>Hunt, Sherri | Re<br>m<br>a<br>b<br>fu<br>de |
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| Total Number of Abstracts, excluding Center sub-projects: | 8  |

|                                   |     |
|-----------------------------------|-----|
| Total Number of Progress Reports: | 36  |
| Total Number of Final Reports:    | 9   |
| Total Number of Publications:     | 504 |
| Total Number of Journal Articles: | 358 |

The perspectives, information and conclusions conveyed in research project abstracts, progress reports, final reports, journal abstracts and journal publications convey the viewpoints of the principal investigator and may not represent the views and policies of ORD and EPA. Conclusions drawn by the principal investigators have not been reviewed by the Agency.

LAST UPDATED ON MONDAY, JUNE 18, 2018