

Measuring the Impact of PM Reductions by EH Indicators

Minnesota Department of Health

Jean Johnson, Chuck Stroebel, Allan Williams, Paula Lindgren and
Wendy Brunner

Minnesota Pollution Control Agency

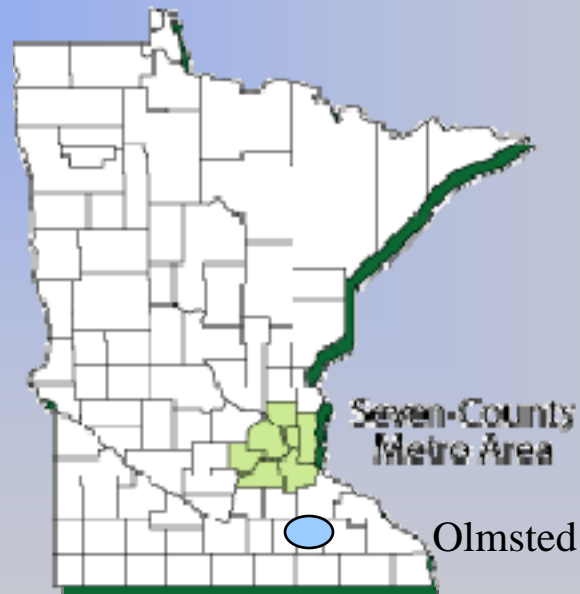
Gregory Pratt, Lisa Herschberger, Kari Palmer, Margaret McCourtney

Olmsted Medical Center, Rochester, MN

Barbara Yawn

MDH EH Indicators Project

- ★ Study Area: Minneapolis/St. Paul Metro (seven counties), Olmsted



- ★ Timeframe
 - Funding 2007-2010 (US EPA)
 - Data analysis 2000-2009

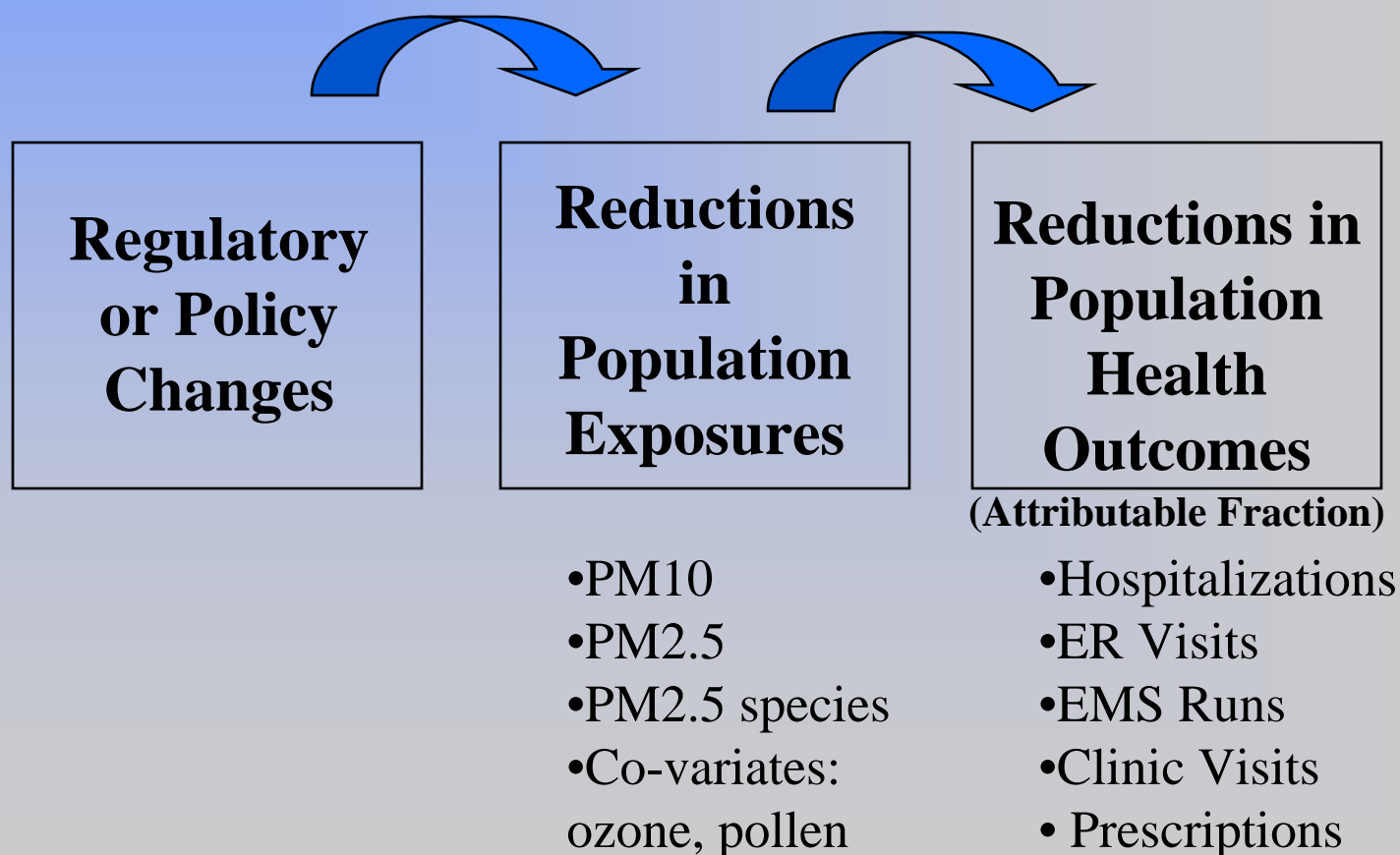
PM Reduction Initiatives In Minnesota

- ★ Minnesota Emissions Reduction Project (MERP)
 - Coal to gas conversion of 2 power plants in MSP
 - Technology upgrades in MSP and Rochester

- ★ Project Green Fleet
 - Retrofitting buses in MSP
 - And in Rochester

- ★ National Initiatives
 - Diesel Fuels
 - Heavy Duty Diesel Regulations
 - Clean Air Interstate Rule (CAIR)

Measuring Impacts & Accountability



Who's Involved

- ★ MDH
- ★ Olmstead County Medical Center
- ★ MPCA
- ★ UMN (School of Public Health)
- ★ Clean Air Minnesota
- ★ US EPA

Expected Results

- ★ Quantifiable outputs to demonstrate the impact of local and national PM reduction projects
- ★ Development of EH outcome indicators that can be tracked over time
- ★ Informed environmental policy decision-making; accountability for public health interventions