ADDITIONAL MATERIALS AVAILABLE ON THE HEI WEB SITE

Special Report 20
Burden of Disease Attributable to Coal-Burning and Other Major Sources of Air Pollution in China

GBD MAPS Working Group

Additional Materials: Graphical Displays of Estimated Chinese National and Province-Specific Absolute and Age-Standardized PM$_{2.5}$-Attributable Deaths and DALYs by Air Pollution Source for 2013 and Four Future Scenarios in 2030

Section 1:
Estimated Chinese National and Province-Specific Age-Standardized Rates (per 100,000) of Disability-Adjusted Life Years (DALYs) and Deaths Attributable to PM$_{2.5}$ by Air Pollution Source for 2013 and Four Future Scenarios in 2030

Section 2:
Estimated Chinese National and Province-Specific Numbers of Disability-Adjusted Life Years (DALYs) and Deaths Attributable to PM$_{2.5}$ by Air Pollution Source for All Ages for 2013 and Four Future Scenarios in 2030

These Additional Materials have not been edited or formatted by HEI.

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Section 1

Estimated Chinese National and Province-Specific Age-Standardized Rates (per 100,000) of Disability-Adjusted Life Years (DALYs) and Deaths Attributable to PM$_{2.5}$ by Air Pollution Source for 2013 and Four Future Scenarios in 2030
Age STD. Deaths Attributable to Air PM: Hong Kong

- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient Pm2.5

Scenario:
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)
Age STD. Deaths Attributable to Air PM: Beijing

![Chart showing the number of deaths attributable to various subsectors and scenarios in Beijing.](chart.png)
Age STD. Burden Attributable to Air PM: Gansu

Scenario
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)

Subsector
- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient PM2.5

Daly Rate/100k
Age STD. Deaths Attributable to Air PM: Guangdong

Subsector vs Death Rate/100k

Scenario
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)
Age STD. Deaths Attributable to Air PM: Hainan

The graph shows the death rate per 100k population attributed to various subsectors of air PM pollution. The subsectors include Transportation, Solvent Use, Industrial (non-coal), Biomass: Open Burning, Domestic Biomass, Coal: Domestic, Coal: Powerplant, Coal: Industrial, Coal: Total, and All Ambient PM2.5. The scenarios depicted are STD (2013), BAU1 (2030), BAU2 (2030), PC1 (2030), and PC2 (2030).
Age STD. Deaths Attributable to Air PM: Hebei

Scenarios:
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)

Subsectors:
- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient PM2.5

Death Rate/100k
Age STD. Burden Attributable to Air PM: Henan

Subsector: Transportation, Solvent Use, Industrial (non-coal), Biomass: Open Burning, Domestic Biomass, Coal: Domestic, Coal: Powerplant, Coal: Industrial, Coal: Total, All Ambient PM2.5

Scenario: STD (2013), BAU1 (2030), BAU2 (2030), PC1 (2030), PC2 (2030)

DALY Rate/100k
Age STD. Burden Attributable to Air PM: Inner Mongolia

Sample bar chart showing DALY rate per 100k across different subsectors and scenarios.

- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient PM2.5

Scenarios:
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)
Age STD. Deaths Attributable to Air PM: Jiangsu
Age STD. Deaths Attributable to Air PM: Shanghai

The chart illustrates the death rate per 100,000 people attributable to air PM from various subsectors in Shanghai, categorized by scenario.

Subsectors include:
- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient PM2.5

Scenarios:
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)
Age STD. Burden Attributable to Air PM: Tibet

Scenario
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)

Subsector
- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient PM2.5

DALY Rate/100k
Section 2

Estimated Chinese National and Province-Specific Numbers of Disability-Adjusted Life Years (DALYs) and Deaths Attributable to PM$_{2.5}$ by Air Pollution Source for All Ages for 2013 and Four Future Scenarios in 2030
Burden Attributable to Air PM: Hong Kong

Scenario

STD (2013)  BAU1 (2030)  BAU2 (2030)  PC1 (2030)  PC2 (2030)

subsector

Transportation  Solvent Use  Industrial (non-coal)  Biomass: Open Burning  Domestic Biomass  Coal: Domestic  Coal: Powerplant  Coal: Industrial  Coal: Total  All Ambient Pm2.5

Total DALYs
Deaths Attributable to Air PM: Anhui

- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient Pm2.5

Scenario:
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)
Deaths Attributable to Air PM: Heilongjiang

- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient PM2.5

Scenario: STD (2013), BAU1 (2030), BAU2 (2030), PC1 (2030), PC2 (2030)
Deaths Attributable to Air PM: Hubei

Scenario
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)

subsector
- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient Pm2.5

Total Deaths

All_Age_Total_20_Page 30 of 66
Deaths Attributable to Air PM: Hunan

- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient Pm2.5
Deaths Attributable to Air PM: Inner Mongolia

Scenario
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)

Subsector
- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient PM2.5

Total Deaths

All_Age_Total_20_Page 34 of 66
Deaths Attributable to Air PM: Jiangsu

Scenario
STD (2013)  BAU1 (2030)  BAU2 (2030)  PC1 (2030)  PC2 (2030)

subsector
Transportation
Solvent Use
Industrial (non-coal)
Biomass: Open Burning
Domestic Biomass
Coal: Domestic
Coal: Powerplant
Coal: Industrial
Coal: Total
All Ambient Pm2.5

Total Deaths
Deaths Attributable to Air PM: Jilin

- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient Pm2.5
Burden Attributable to Air PM: Liaoning
Burden Attributable to Air PM: Qinghai
Burden Attributable to Air PM: Shandong
Burden Attributable to Air PM: Sichuan

- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient Pm2.5

Scenario

STD (2013)
BAU1 (2030)
BAU2 (2030)
PC1 (2030)
PC2 (2030)
Burden Attributable to Air PM: Tibet

Transportation
Solvent Use
Industrial (non-coal)
Biomass: Open Burning
Domestic Biomass
Coal: Domestic
Coal: Powerplant
Coal: Industrial
Coal: Total
All Ambient Pm2.5

Scenario
STD (2013)
BAU1 (2030)
BAU2 (2030)
PC1 (2030)
PC2 (2030)

Total DALYs
Deaths Attributable to Air PM: Xinjiang

Scenario
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)

Subsector
- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient PM2.5

Total Deaths
Deaths Attributable to Air PM: Zhejiang

Scenario
- STD (2013)
- BAU1 (2030)
- BAU2 (2030)
- PC1 (2030)
- PC2 (2030)

Subsector
- Transportation
- Solvent Use
- Industrial (non-coal)
- Biomass: Open Burning
- Domestic Biomass
- Coal: Domestic
- Coal: Powerplant
- Coal: Industrial
- Coal: Total
- All Ambient PM2.5

Total Deaths