

Learning from Greater Beijing on Air Quality Improvement
ADB – PRC Regional Knowledge Sharing Initiative
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ADB

Status of Air Quality in Asia and the Pacific

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GLOBAL BURDEN OF AIR POLLUTION

99%

Global population exposed to harmful levels of PM_{2.5}

8.1 million

Global number of deaths caused by air pollution annually. ~70% in Asia (2021)

#2

Air pollution is second highest ranking risk factor for death globally (2021)

**\$8.1T/
6.1% of
GDP**

Global cost of health impacts from PM_{2.5} pollution. 10.3% of GDP in South Asia and 9.3% of GDP in East Asia & Pacific

Ambient + Indoor PM_{2.5}; ozone

Pollutants causing highest numbers of deaths

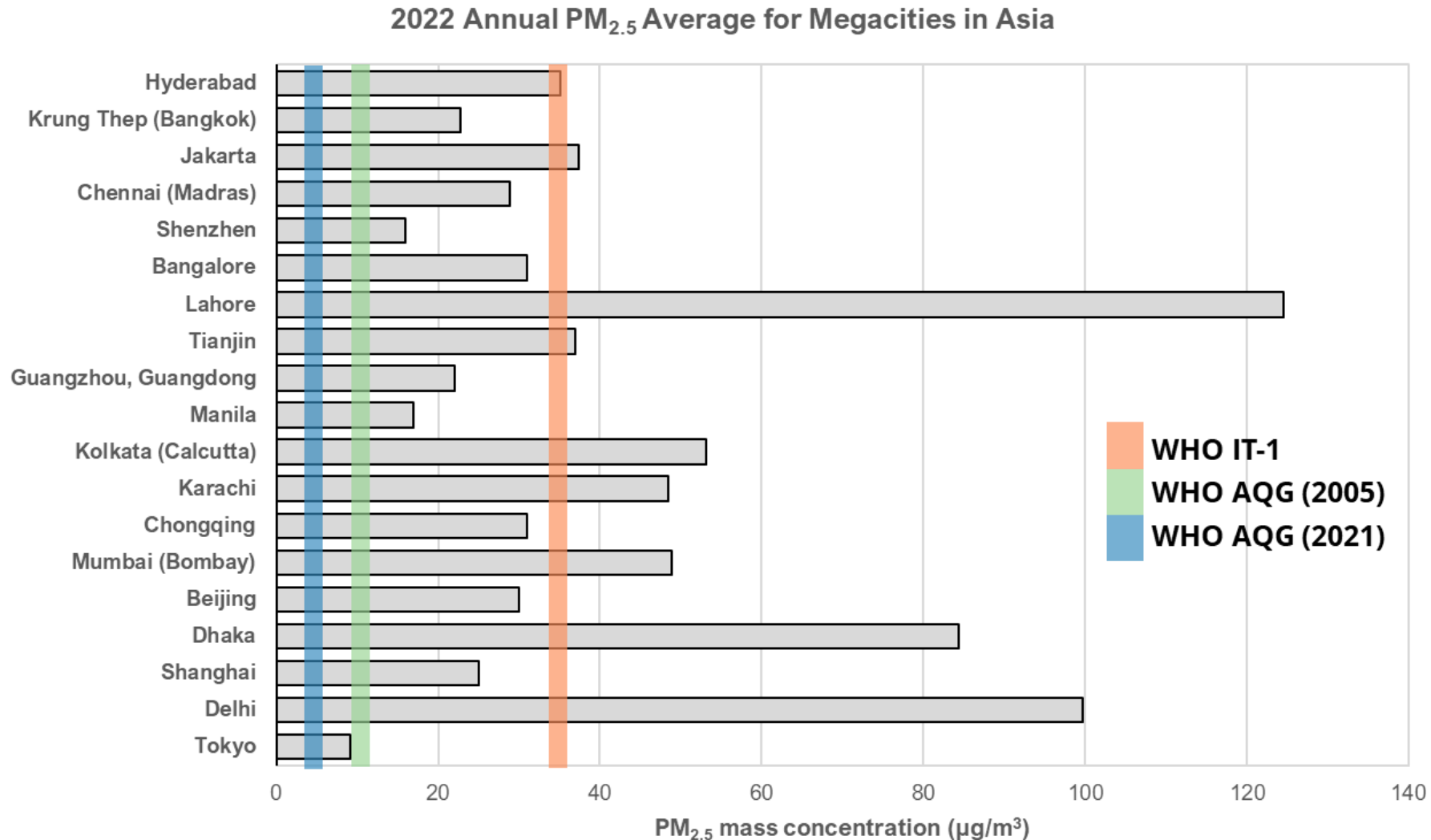
99

Of the 100 most polluted cities globally are in Asia

Top 10 countries No. of deaths (2021)

1. PRC (2.3 million)
2. India (2.1 million)
3. Pakistan (256,000)
4. Bangladesh (236,300)
5. Indonesia (221,600)
6. Nigeria (206,700)
7. Egypt (116,500)
8. Myanmar (101,600)
9. Philippines (98,209)
10. Vietnam (99,700)

AVERAGE PM_{2.5} IN ASIA'S MEGACITIES



*Based on Clean Air Asia database on annual average PM_{2.5} concentrations in Asian cities

KEY HIGHLIGHTS - STATUS OF AIR QUALITY IN ASIA

**Main source
of air
pollution**

Fuel use in residential and industry sector (all types); fuel use in transport sector (PM_{2.5} and NO_x)

**23 of 47
countries**

Have specific legislation on air quality; 21 have general environmental laws

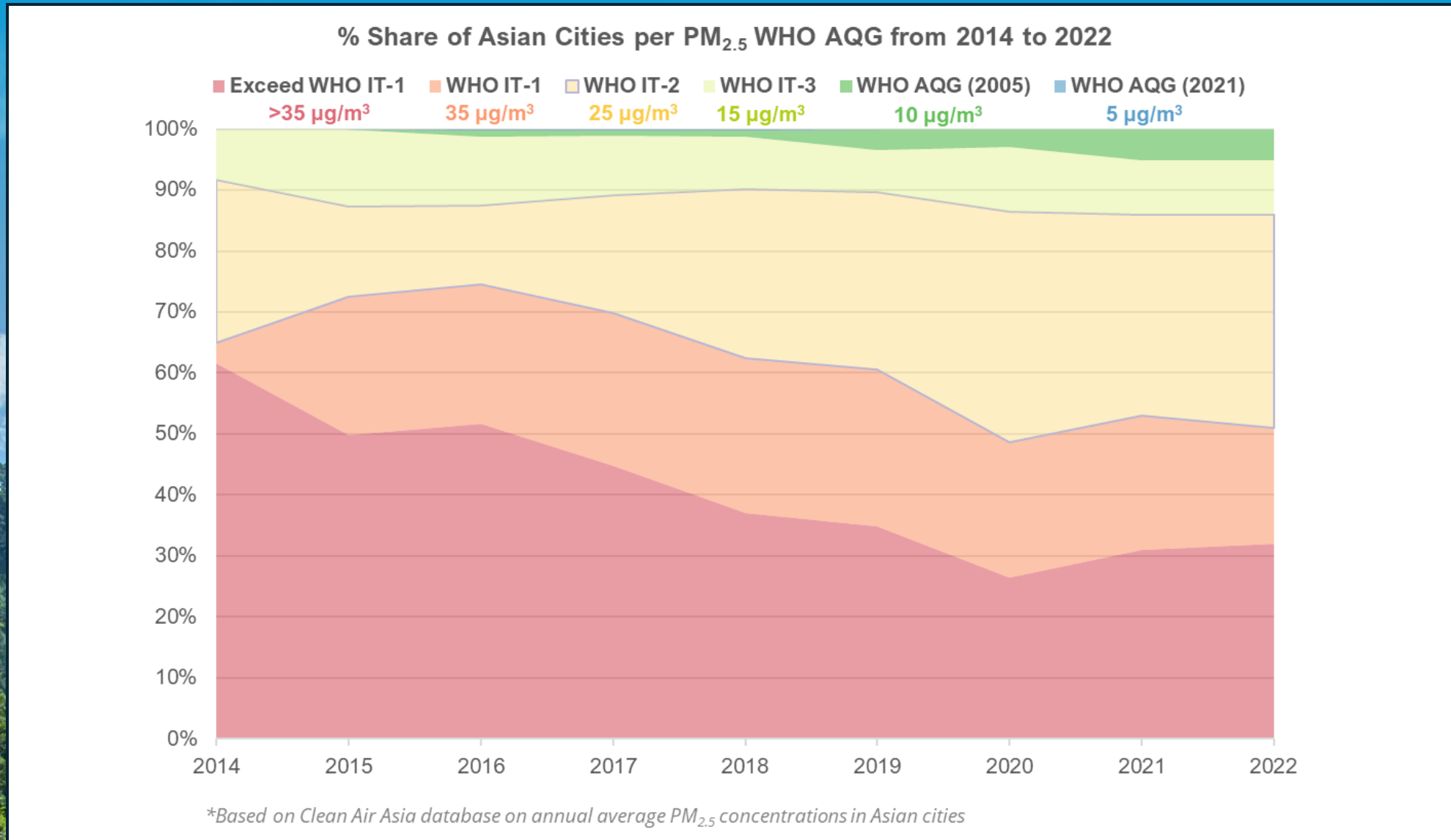
**12 of 47
countries**

Integrate AQ with National Health Plans and Programs



Hanoi, Vietnam; Source: HEI, IHME, State of Global Air 2024

TRENDS IN PM2.5 IN ASIAN CITIES



THANK YOU!

