Appendix 7: Comparison graphs by region
About Public Health England

Public Health England exists to protect and improve the nation’s health and wellbeing, and reduce health inequalities. We do this through world-leading science, knowledge and intelligence, advocacy, partnerships and the delivery of specialist public health services. We are an executive agency of the Department of Health and Social Care, and a distinct delivery organisation with operational autonomy. We provide government, local government, the NHS, Parliament, industry and the public with evidence-based professional, scientific and delivery expertise and support.

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PM$_{2.5}$ comparison figures

The following figures show the cumulative incidence cases avoided by region for each disease for scenario 1 (a 1µg/m$^3$ reduction) relative to baseline.

Scenario 0: Baseline

**Scenario 1:** a 1µg/m$^3$ reduction in PM2.5

The green line represents Lambeth, the blue line represents South Lakeland and the red line represents England.
Comparison graphs by region

Asthma_Scenario1_Rel0

CHD_Scenario1_Rel0

COPD_Scenario1_Rel0

Diabetes_Scenario1_Rel0
Comparison graphs by region

LBW_Scenario1_Rel0

LungC_Scenario1_Rel0

Stroke_Scenario1_Rel0
Comparison graphs by region

NO₂ comparison figures

The following figures show the cumulative incidence cases avoided by region for each disease for scenario 1 (a 1µg/m³ reduction) and scenario 2 (reaching EU standards) relative to baseline.

**Scenario 0:** Baseline (no change)
**Scenario 1:** a 1µg/m³ reduction in NO₂
**Scenario 2:** reaching EU standards

The green line represents Lambeth, the blue line represents South Lakeland and the red line represents England.
Comparison graphs by region

Scenario 1 compared to scenario 0

**Asthma_Scenario1_Rei0**

**Dementia_Scenario1_Rei0**

**Diabetes_Scenario1_Rei0**

**LBW_Scenario1_Rei0**
Comparison graphs by region

![Comparison graphs by region](image-url)
Comparison graphs by region

Scenario 2 compared to scenario 0

Asthma_Scenario2_Re0

Dementia_Scenario2_Re0
Comparison graphs by region

Diabetes_Scenario2_Rei0

LBW_Scenario2_Rei0

LungC_Scenario2_Rei0