

## Supplemental Tables

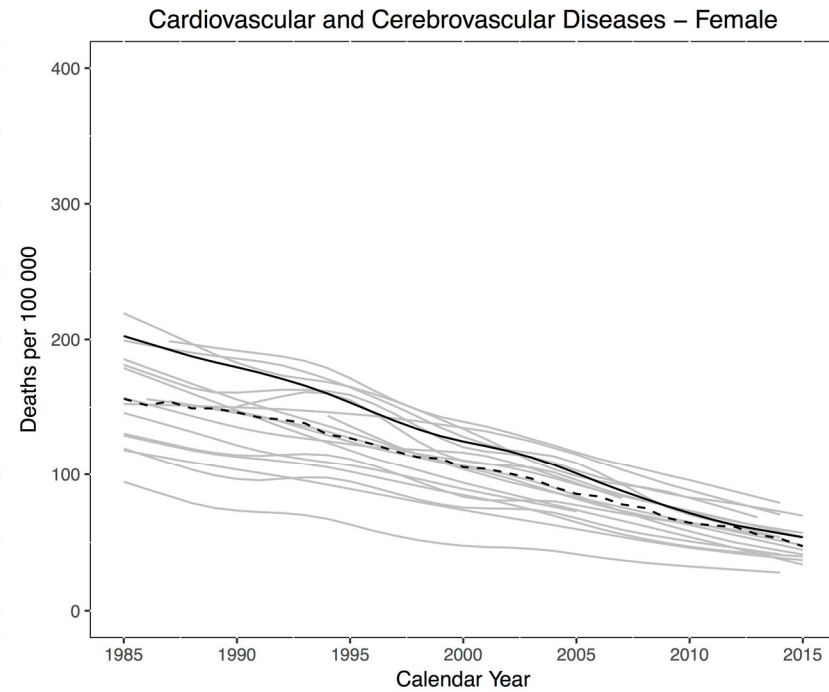
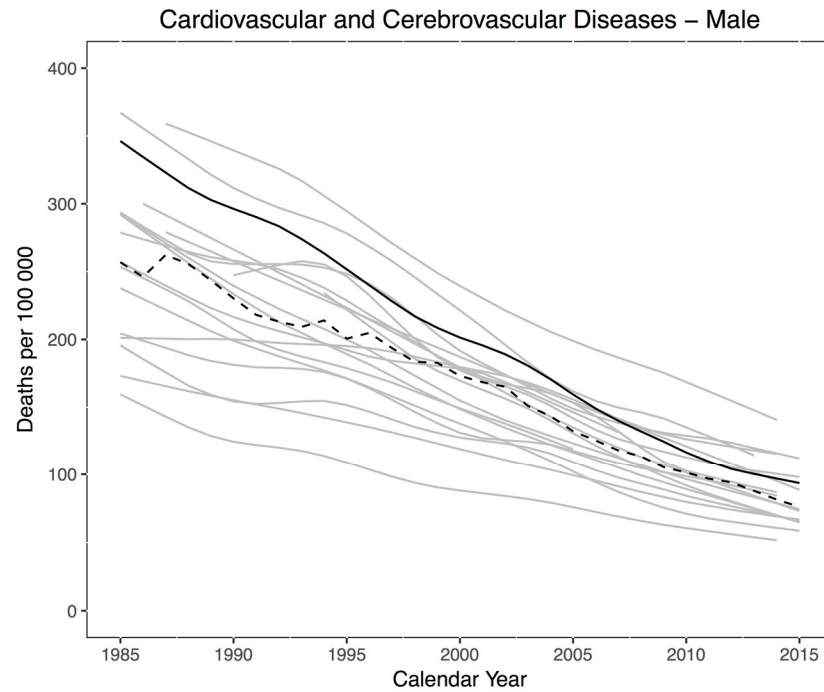
Supplemental Table 1: International Classification of Disease (ICD) codes for analysis. Both ICD versions 9 and 10 were used for the analysis.

ICD Version	Category of Disease	Code	Diagnosis
9	Infectious	011	Pulmonary tuberculosis
		010, 012	Other respiratory tuberculosis
		480-486	Pneumonia
		487	Influenza
	Obstructive	490-493	Bronchitis, chronic and unspecified, emphysema and asthma
		494	Bronchiectasis
		512	Pneumothorax and air leak
		513	Abscess of lung and mediastinum
	Interstitial	515	Post-inflammatory pulmonary fibrosis
		516	Other alveolar and parietoalveolar pneumonopathy
	Neoplastic	161	Malignant neoplasm of larynx
		162	Malignant neoplasm of trachea, bronchus and lung
		160-165	Malignant neoplasm of respiratory and intrathoracic organs
	Other	518	Other diseases of lung
		519	Other diseases of respiratory system
		514	Pulmonary congestion and hypostasis
517		Lung involvement in conditions classified elsewhere	
10	Infectious	A15-A16	Respiratory tuberculosis
		J09	Influenza due to certain identified influenza viruses
		J10	Influenza due to other identified influenza virus
		J11	Influenza due to unidentified influenza virus
		J12	Viral pneumonia, not elsewhere classified
		J13	Pneumonia due to Streptococcus pneumoniae
		J14	Pneumonia due to Hemophilus influenzae
		J15	Bacterial pneumonia, not elsewhere classified

	J16	Pneumonia due to other infectious organisms
	J18	Pneumonia, unspecified organism
Obstructive	J40	Bronchitis, not specified as acute or chronic
	J41	Simple and mucopurulent chronic bronchitis
	J42	Unspecified chronic bronchitis
	J43	Emphysema
	J44	Other chronic obstructive pulmonary disease
	J45	Asthma
	J47	Bronchiectasis
	J84	Other interstitial pulmonary diseases
Neoplastic	C33	Malignant neoplasm of trachea
	C34	Malignant neoplasm of bronchus and lung
	C45.0	Malignant neoplasm of pleura
Other	C30	Malignant neoplasm of nasal cavity and middle ear
	C31	Malignant neoplasm of accessory sinuses
	C32	Malignant neoplasm of larynx
	J81	Pulmonary edema
	J85	Abscess of lung and mediastinum
	J94	Pneumothorax and air leak
	J98	Other respiratory disorders

## Supplemental Figures

Supplemental Figure 1: Sensitivity analysis to compare performance between the UK and EU15+ countries for cardiovascular and cerebrovascular diseases. Age-standardised death rates between 1985 and 2015 are shown. UK mortality trends represented with bold line and remaining EU15+ countries are represented in grey-scale. Dashed line represents median mortality for EU15+.



Supplemental Figure 2: Sensitivity analysis to compare performance between the UK and EU15+ countries for combined renal diseases. Age-standardised death rates between 1985 and 2015 are shown. UK mortality trends represented with bold line and remaining EU15+ countries are represented in grey-scale. Dashed line represents median mortality for EU15+.

