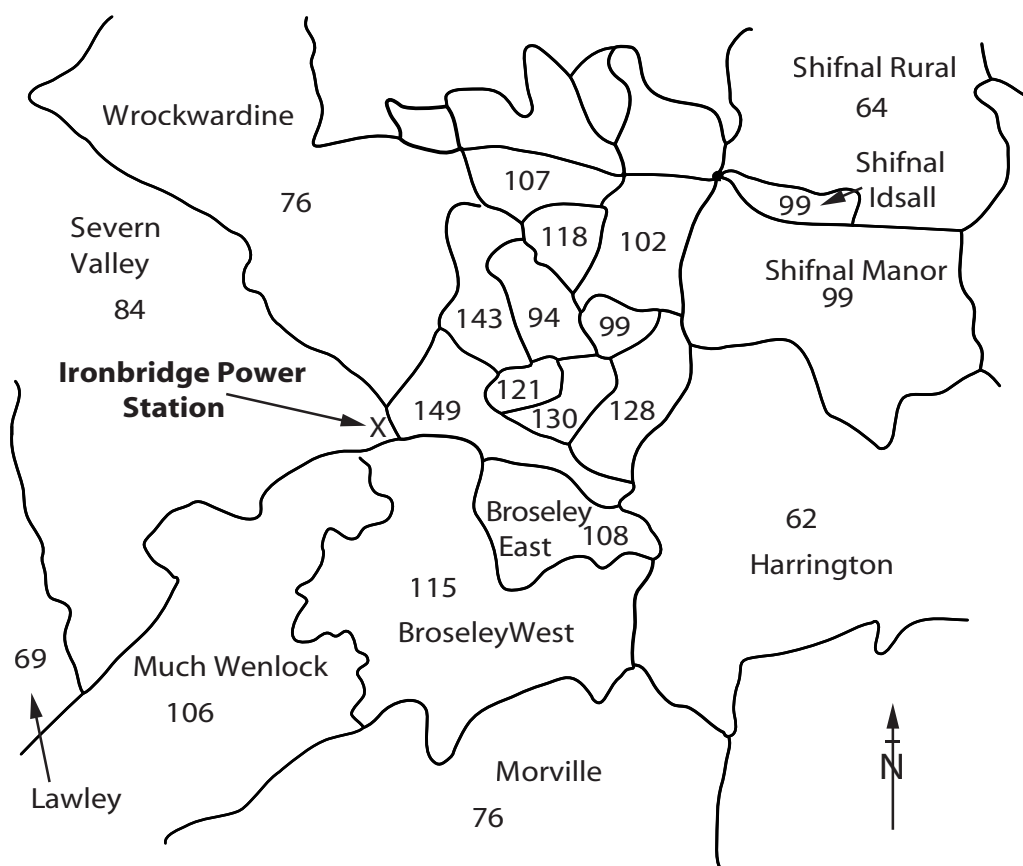


Standardised mortality ratios [SMRs] for deaths of persons aged under 85 years, 1999-2003, in electoral wards around Ironbridge Power Station, Shropshire, UK



Notes:

1. $SMR = (\text{Observed deaths} / \text{Expected Deaths}) \times 100$
2. All data supplied by Office of National Statistics [ONS]
3. $SMR = 100$ is average for England & Wales, so wards with SMR higher than 100 have higher premature death rate than average; e.g. Ironbridge Gorge, where $SMR = 149$
4. Age standardised mortality rates [ASMR] are a more accurate parameter, but have been declared "not available" by ONS despite their use by Primary Care Trusts. The ASMR for Ironbridge Gorge for deaths of all ages 1999-2003 is 1340.7, which is the highest by far in Telford & Wrekin and more than double the rate for England & Wales of 598.8
5. The elevated $SMRs$ in wards downwind of Ironbridge Power Station [prevailing winds predominantly WSW and NW] suggest that $PM_{2.5}$ s from that station are the major cause of illness and premature deaths, as found in studies detailed in "Death, Disease and Dirty Power" [www.cleartheair.org] and elsewhere.

SMRs for deaths under 85 years 1999-2003 in electoral wards around Ironbridge Power Station & age standardised mortality rates [all ages] for same years.

Electoral ward	SMR <85 years	Age standardised mortality rate [all ages]	
Telford & Wrekin			
Ironbridge Gorge	149	1340.7	
Wrockwardine	76	579.4	
Woodside	121	742.7	
Madeley	130	851.5	
Cuckoo Oak	128	778.2	
Brookside	99	599.2	
Dawley Magna	94	629.3	
Horsehay & Lightmoor	143	1064.1	
Malinslee	118	747.4	
The Nedge	102	623.4	
Lawley & Overdale	107	683.6	
England & Wales average	100	598.8	
Shropshire County			
Severn Valley	84	"not available" for any ward	
Lawley	69		
Broseley West	115		
Much Wenlock	106		
Broseley East	108		
Morville	76		
Harrington	62		
Shifnal Manor	99		
Shifnal Idsall	99		
Shifnal Rural	64		
England & Wales average	100		598.8

The above SMRs have been used on the ward map on the preceding page featuring Ironbridge Power Station.

The age standardised mortality rates for Telford & Wrekin were supplied by Telford & Wrekin PCT under FoI. The same ONS data was "not available" to Philip Dunne MP according to Karen Dunnell of the Office of National Statistics.