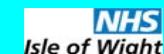


Isle of Wight Joint Strategic Needs Assessment: Core Dataset
2009


Domain: Burden of Ill Health
 Sub-Domain: Misc
 Sub-sub-Domain: All Causes

Indicator:
 Indicator References:
 Data Source:
 Indicator definition:

Life Expectancy at Birth - by Ward & Deprivation
 JSNA Core Dataset number 30
 Office of National Statistics & local calculations
[see below](#)

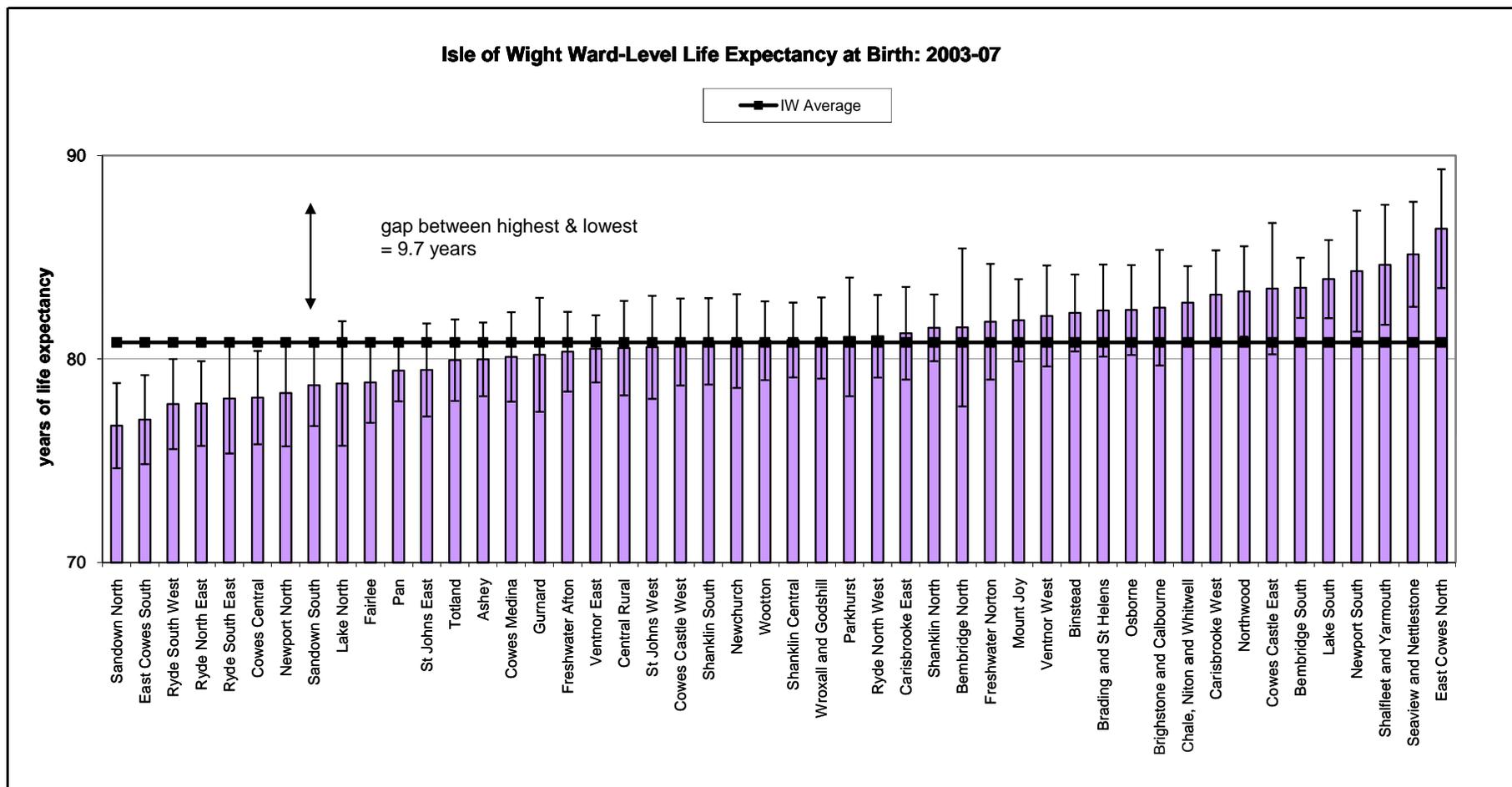
Isle of Wight: Life Expectancy at Birth by Ward: 2003 - 07 Pooled Data

Ward Code	Ward Name	Life Expectancy (Years)
00MWPC	Ashey	80.0
00MWPD	Bembridge North	81.6
00MWPE	Bembridge South	83.5
00MWPF	Binstead	82.3
00MWPG	Brading and St Helens	82.4
00MWPH	Brighstone and Calbourne	82.5
00MWPJ	Carisbrooke East	81.3
00MWPK	Carisbrooke West	83.2
00MWPL	Central Rural	80.5
00MWPM	Chale, Niton and Whitwell	82.8
00MWPN	Cowes Castle East	83.5
00MWPP	Cowes Castle West	80.8
00MW PQ	Cowes Central	78.1
00MWPR	Cowes Medina	80.1
00MWPS	East Cowes North	86.4
00MWPT	East Cowes South	77.0
00MWPU	Fairlee	78.8
00MWPW	Freshwater Afton	80.4
00MW PX	Freshwater Norton	81.8
00MW PY	Gurnard	80.2
00MW PZ	Lake North	78.8
00MWQA	Lake South	83.9
00MWQB	Mount Joy	81.9
00MWQC	Newchurch	80.9

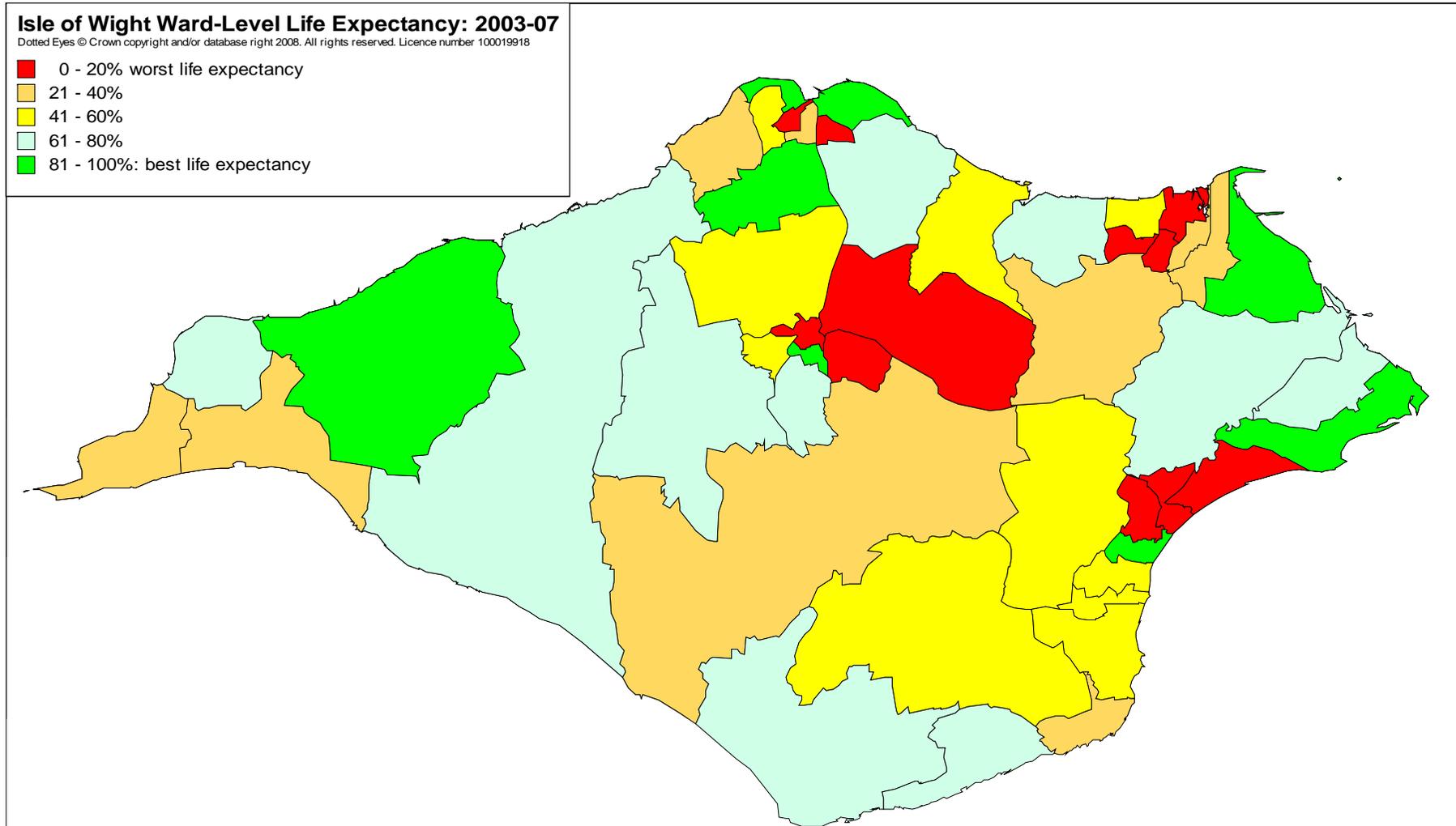
Ward Code	Ward Name	Life Expectancy (Years)
00MWQD	Newport North	78.3
00MWQE	Newport South	84.3
00MWQF	Northwood	83.3
00MWQG	Osborne	82.4
00MWQH	Pan	79.4
00MWQJ	Parkhurst	81.1
00MWQK	Ryde North East	77.8
00MWQL	Ryde North West	81.1
00MWQM	Ryde South East	78.1
00MWQN	Ryde South West	77.8
00MWQP	St Johns East	79.5
00MWQQ	St Johns West	80.6
00MWQR	Sandown North	76.7
00MWQS	Sandown South	78.7
00MWQT	Seaview and Nettlestone	85.1
00MWQU	Shalfleet and Yarmouth	84.6
00MWQW	Shanklin Central	80.9
00MWQX	Shanklin North	81.5
00MWQY	Shanklin South	80.9
00MWQZ	Totland	79.9
00MWRA	Ventnor East	80.5
00MW RB	Ventnor West	82.1
00MWRC	Wootton	80.9
00MW RD	Wroxall and Godshill	81.0

Isle of Wight Average		80.8
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Isle of Wight: Life Expectancy at Birth by Ward: 2003 - 07 Pooled Data - Ranked by Ward

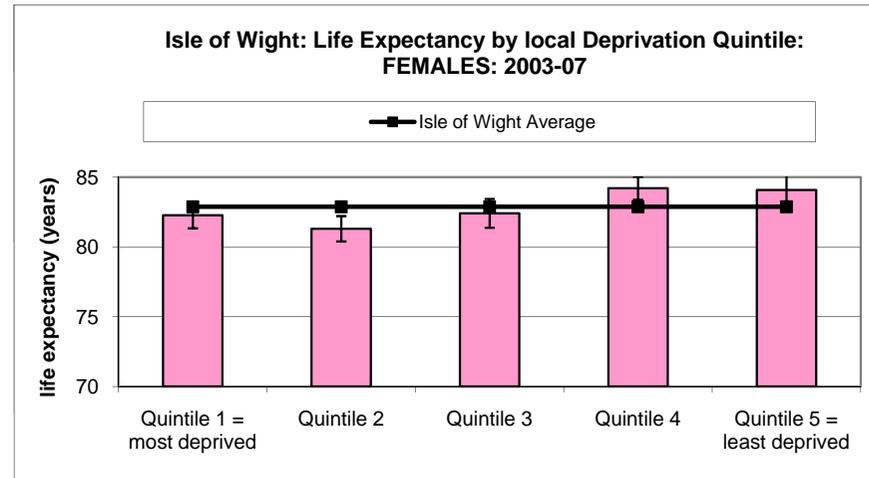
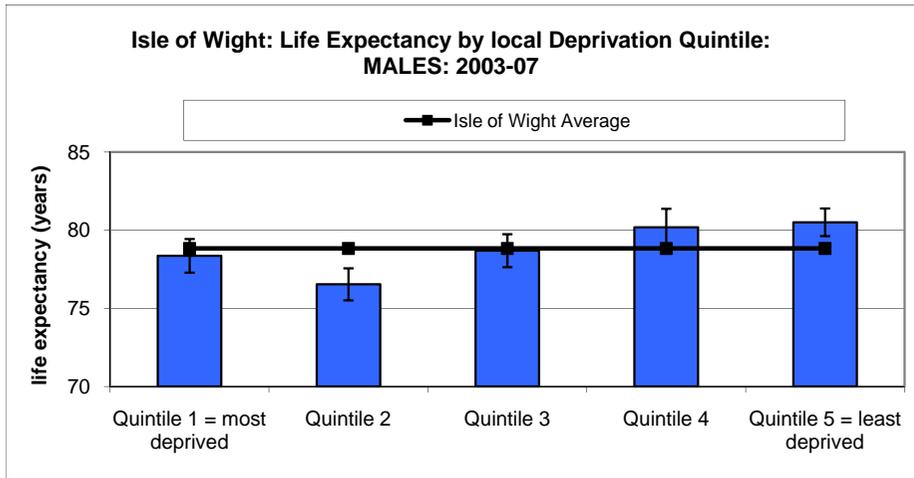
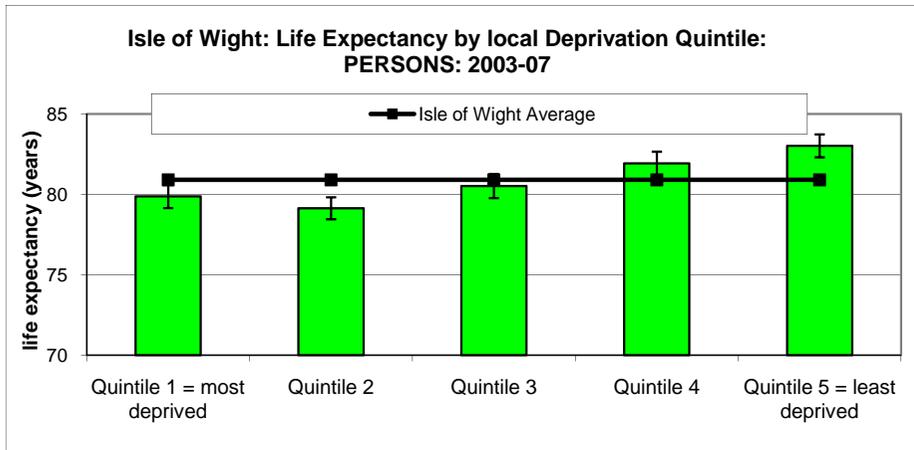


Isle of Wight: Life Expectancy at Birth by Ward: 2003 - 07 Pooled Data - Mapped by Ward Quintiles



Isle of Wight: Life Expectancy at Birth by Deprivation Quintiles (IMD 2007): 2003 - 07 Pooled Data

Life Expectancy: 2003-07	Persons	Males	Females
Isle of Wight average	80.9	78.8	82.9
IW Quintile 1 - 20% most deprived areas on the IW	79.9	78.4	82.3
IW Quintile 2	79.1	76.5	81.3
IW Quintile 3	80.5	78.7	82.4
IW Quintile 4	81.9	80.2	84.2
IW Quintile 5 - 20% least deprived areas on the IW	83.0	80.5	84.1
Gap between most deprived / least deprived quintiles	3.1	2.1	1.8



COMMENTARY

Life Expectancy is a key proxy indicator for the general health of an area. There is a government Public Service Agreement target to increase life expectancy at birth for men and women by the year 2010, and to narrow inequalities in Life Expectancy between geographical areas and specific occupational groups.

Life Expectancy for the Isle of Wight as a whole, published nationally, is shown in a separate dataset. The data, chart and map, **top**, show Life Expectancy by ward, which has been calculated locally, using 5 years' worth of mortality (deaths) data to strengthen the robustness of the findings.

Even using 5 years of data, the ward-level confidence intervals shown on the chart overlap so that, statistically, most ward-level life expectancies might not be significantly different from each other or from the Island average life expectancy for this period. Taking into account this caveat, the key point to note is that the 'gap' between the wards with the lowest (worst) and highest (best) life expectancies is **9.7 years**.

The data and charts, **bottom**, show Life Expectancy by Isle of Wight deprivation quintile. This has been calculated by allocating each IW Lower Super Output Area (LSOA), the geographical unit for which deprivation is measured (using the 2007 Index of Multiple Deprivation) to an IW deprivation quintile - i.e. among the 20% most deprived on the Island, the next 20% most deprived, etc.

The data and charts show that, although the match between IW local area life expectancy and deprivation is not exact, there is a strong association between deprivation and life expectancy, for all genders - i.e. people living in more deprived areas tend to have lower (worse) life expectancy.

INDICATOR DEFINITION	
Indicator:	Life Expectancy at Birth
Definition:	Life expectancy at birth (a measure of mortality) for an area in a given period is an estimate of the number of years a new-born baby would survive, if he or she were to experience the particular area's age-specific mortality rates for that time period throughout his or her life.
Numerator (number of people or events)	Number of deaths of people resident in the specified area which were registered in the specified years.
Denominator (total population or events)	Resident population for the specified years. All Ages
Geographic Coverage	Local Authority
Time period	2003-07. Life Expectancy has been calculated for this pooled 5-year period in order to strengthen the robustness of the data, since findings for small areas below Local Authority level are more likely to vary because of chance.
Data Source(s)	Office for National Statistics - Annual Death Extracts (available to NHS staff only) South East Public Health Observatory - Life Expectancy Calculator
Significance for Health	Higher rates are associated with better health. Lower rates are associated with worse health.
Factors that might affect the Accuracy of this Indicator	Even with the use of mortality data for a 5 year pooled period, numbers of deaths at ward level are still relatively small and the confidence intervals surrounding the findings are therefore relatively wide. It is not possible to say with certainty that ward-level life expectancies whose confidence intervals overlap are statistically different from each other. The presence of nursing or care homes in an area can shorten (worsen) that area's life expectancy estimate, through frail people moving into the area.