

Isle of Wight Mental Health and Wellbeing Vulnerability Index

Produced by Hampshire and Isle of Wight Public Health Intelligence Team

Background

- Using data from a range of sources, a mental wellbeing vulnerability index has been created to identify and map populations on the Isle of Wight who are more likely to have vulnerable mental health because of the restrictions put in place during COVID-19.



Barton and Grant's Health Map

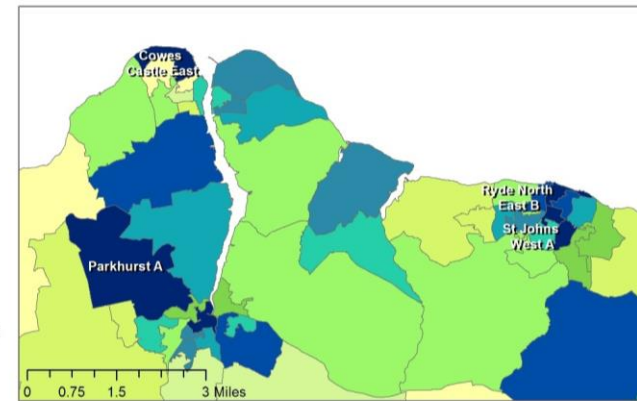
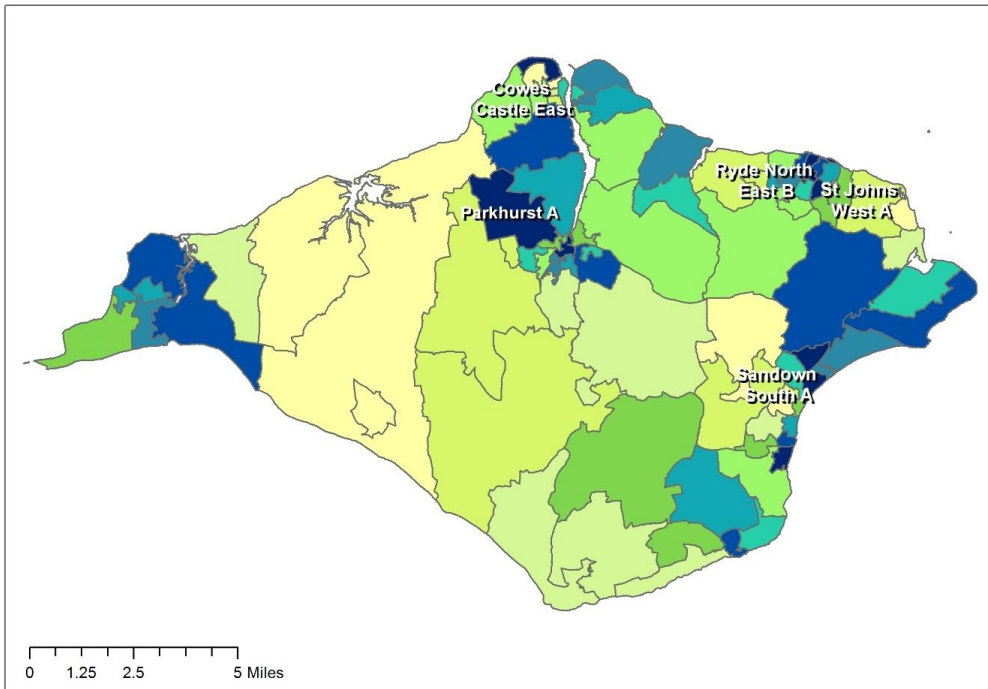
Methodology

- The index is comprised of Z-Scores which are calculated using separate averages for Hampshire and the Isle of Wight.
- Calculating Z-scores off separate averages allows results to be more accurate for the Isle of Wight as it's demography is not influenced by Hampshire's larger population, and therefore vulnerability is measured relative to each UTLA's average.
- These Z-scores are placed into deciles, and the deciles correspond with the shading on the maps, darker shading showing higher levels of vulnerability.

Key findings

- Throughout COVID-19 the entire population has been at risk of declining mental wellbeing, not just those with certain characteristics or existing mental health conditions.
- **WHO?** Young people and ethnic minorities.
- **WHERE?** The urban areas on the island: Parkhurst, Newport, Ryde and Cowes Castle East.
- **WHY?** Those in urban areas are vulnerable to poor mental wellbeing due to their demographics; being young, ethnic minorities and also working in industries most affected by furlough. Those in rural areas are vulnerable due to factors relating to their employment and health, particularly in the northeast of the Island.

Overall findings

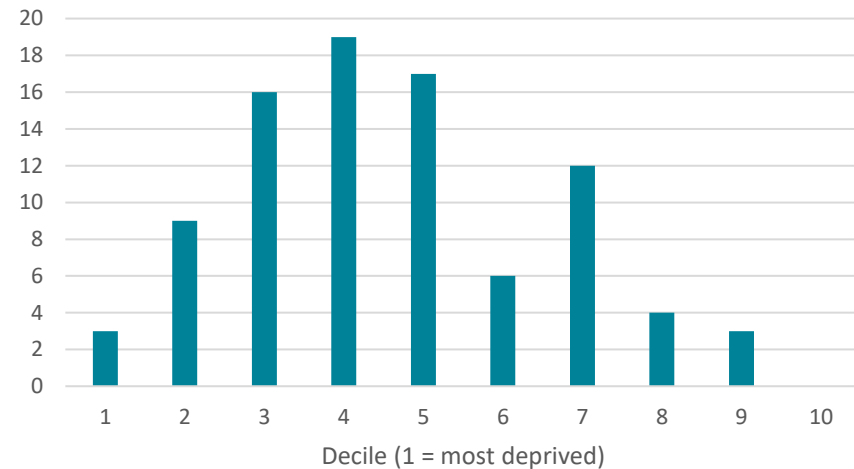


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Deprivation

- This index does not include an indicator for deprivation. This decision was made due to the nature of what this Index aims to identify. COVID-19 and the associated NPI's did not only affect those living in deprived areas.
- The Isle of Wight has fairly high levels of deprivation
- 3% (3) of LSOAs are in the 10% most deprived nationally, and 10% (9) are in the 20% most deprived nationally
- No LSOAs are in the 10% least deprived nationally, and 3% (3) are in the 20% least deprived nationally
- Areas with high deprivation aren't always the areas with high mental wellbeing vulnerability in this index

Count of Isle of Wight LSOAs by 2019
IMD Decile



Demographic domain – who is included?

Young people aged 16-24 years [ONS Mid-Year population estimates]

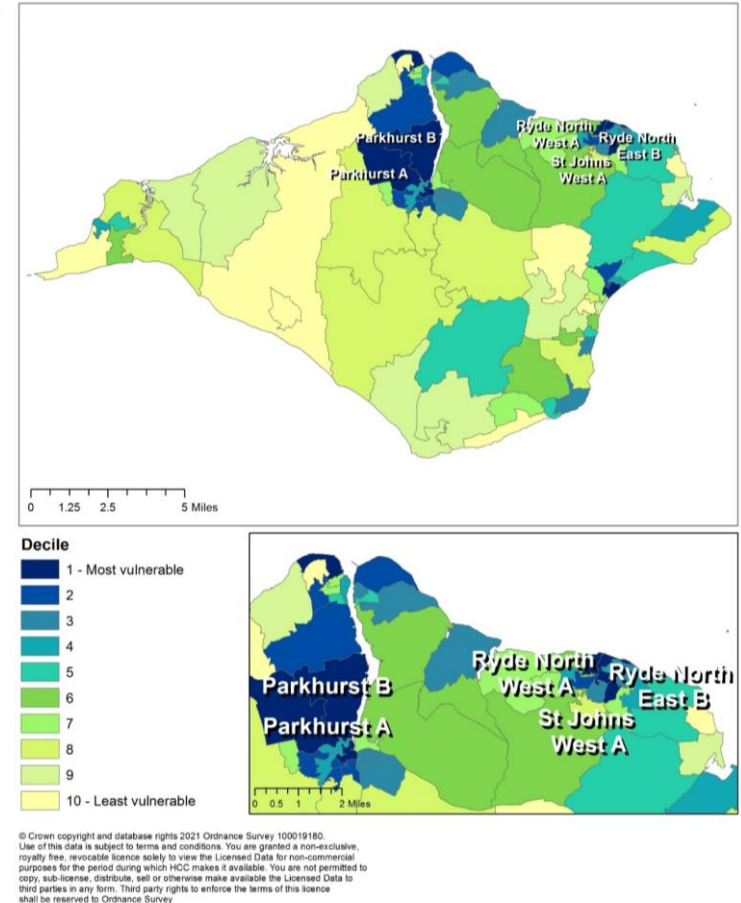
- Most likely age group to be furloughed
- Have experienced disrupted education at critical times for development

Ethnic minorities [2011 Census]

- Overrepresented in health care roles
- Experienced racial discrimination during COVID-19
- Tend to live in deprived areas

Demographic domain map

- Vulnerability is concentrated in the densely populated, urban areas to the North and East of the Island. Two key towns are highlighted; Ryde and Newport.
- Newport town centre has high vulnerability because of the younger population, whereas Parkhurst A and B have ethnic minority groups as well. This is a result of the prison sites and St Mary's hospital being located in this area.
- Ryde's vulnerability is driven mainly by the young population rather than ethnic minority groups.



Economic domain – who is included?

Low earners [2019 IMD]

- Experiencing financial stress

People employed in healthcare and sectors most heavily affected by furlough [2011 Census]

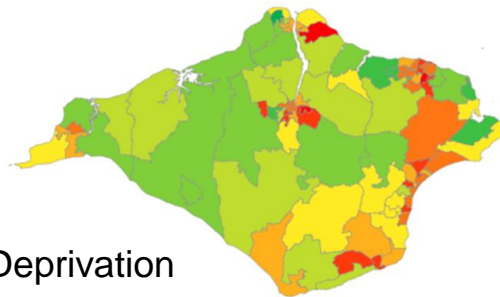
- Reduced income and job security stress

People who are self-employed [2011 Census]

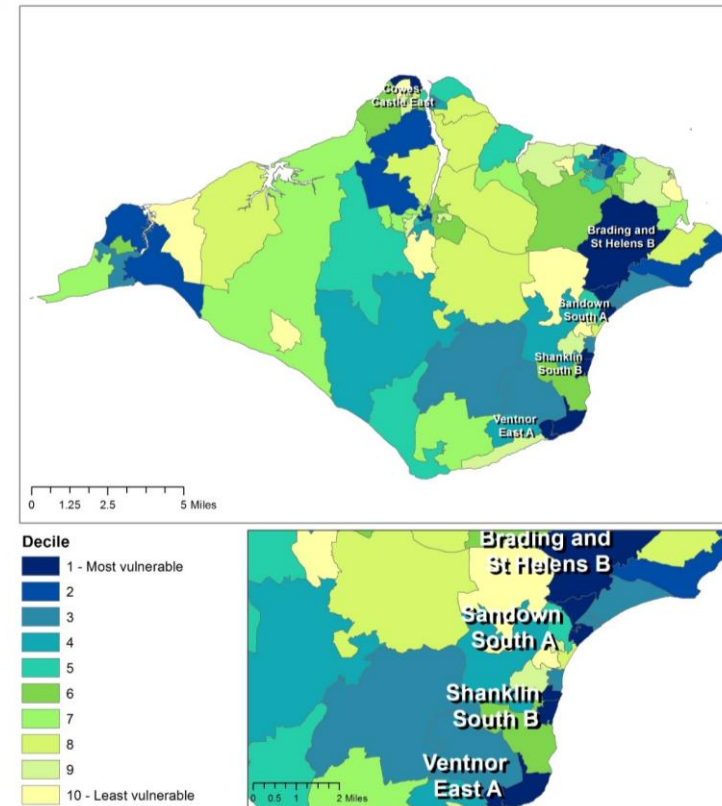
- Affected by the Self-Employment Income Support Scheme (SEISS) if eligible, job security stress

Economic domain map

- Other than Cowes Castle East, the vulnerable LSOA's follow the East coast of the Island, which largely mirrors the Income deprivation found in the 2019 IMD.
- Cowes Castle East is included as one of the five most vulnerable LSOA's in this Index, but is not one of the areas which is deprived based on income. Cowes Castle East has a net outflow of commuters, meaning those who live there are likely to travel away for work. This may be a result of the easy access to the mainland.



2019 IMD Income Deprivation



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Living situation domain – who is included?

Lone parent households with dependent children [2011 Census]

- Financial stress, adapting to home schooling

Renters [2011 Census]

- Financial stress

Single member households aged 65 years or above [2011 Census]

- Difficulty staying connected with family and friends

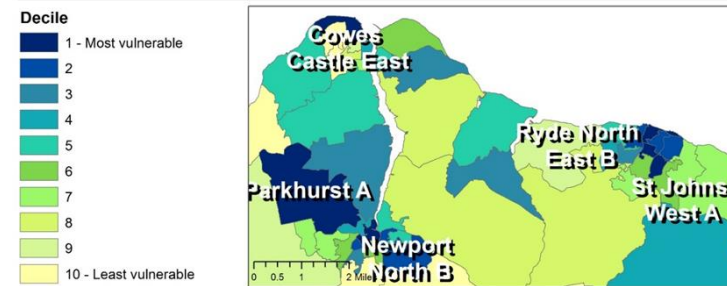
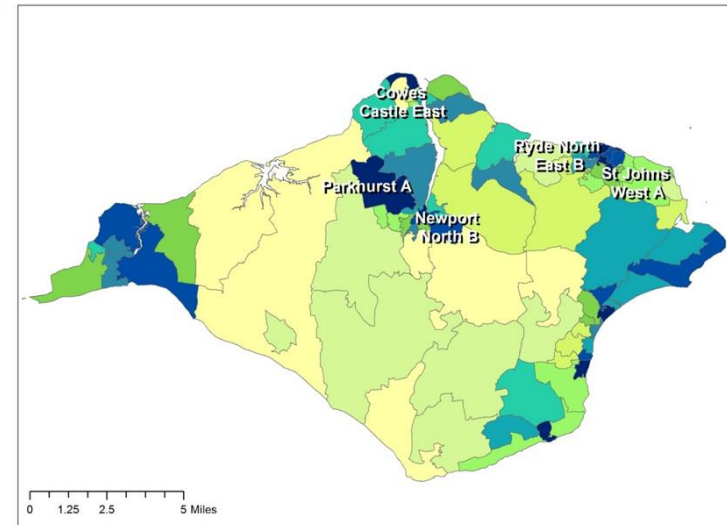
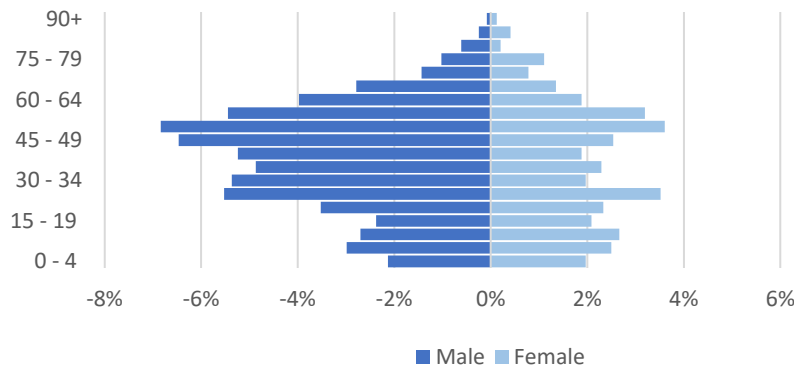
People living in institutions or communal establishments [2011 Census]

- Reduced socialisation with family, inadequate living environment

Living situation domain map

- This domain shows low vulnerability in the central and Southern rural parts of the Island. Newport, Ryde and areas in Sandown and Shanklin in the Bay are more vulnerable.
- Parkhurst A contains the prison. This population will have mental health needs and challenges which differ from the rest of the Isle of Wight's population as they are living in a different setting to those living in their own homes.

Parkhurst A population pyramid



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Health domain – who is included?

People aged below 65 years with two or more long term conditions (LTCs) [2019/20

QOF]

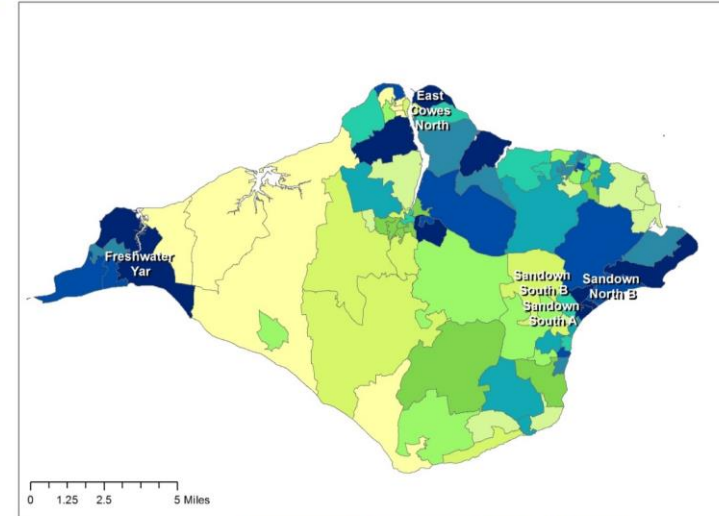
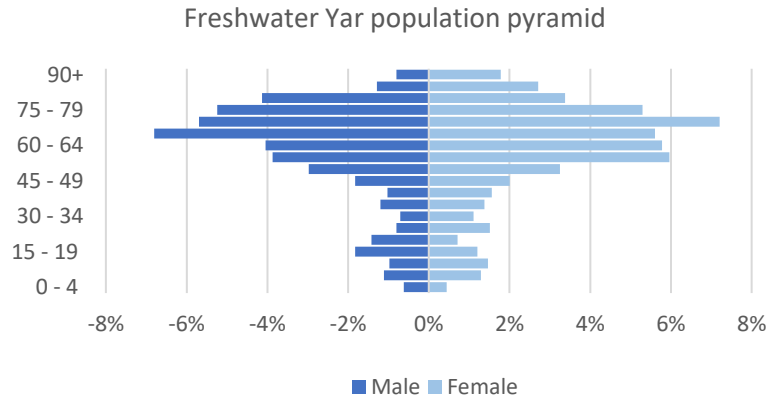
People aged 65 years or above with two or more long term conditions (LTCs) [2019/20

QOF]

- Both may have been shielding for extended period of time due to increased clinical vulnerability

Health domain map

- High vulnerability in the northeast and west of the Island.
- The five most vulnerable LSOAs have more people aged 65 years and above with two or more LTC's than people aged below 65 years. There are only two LSOA's on the island where the opposite is true, these are Parkhurst A (where the prison is located) and St Johns West A in Ryde.
- Elderly populations are more concentrated in the coastal areas. This elderly population cause the high vulnerability in Freshwater Yar. These are traditionally retirement areas.



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