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Atlas of Deprivation in Wales

Dr Robert Berry

countryside and community research institute

Project Title:

Atlas of Deprivation in Wales

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| **Start Date** 21st May 2020 |  | **Project Manager** Robert Berry |
| **Finish Date** xx Month xxxx |  | **Research Team** Robert Berry |
| **Duration** Xxxx |  | **Date of Report** xx Month xxxx |

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[Executive Summary 4](#_Toc42847131)

[1. Introduction 5](#_Toc42847132)

[1.1 Why map deprivation? 5](#_Toc42847133)

[1.2 The Welsh Index of Multiple Deprivation 5](#_Toc42847134)

[2. Methodology 6](#_Toc42847135)

[Methoody written for Guisers to replicate. Those not interested in technical dateails can skip straight to maps 6](#_Toc42847136)

[2.1 Data acquisition and pre-processing 6](#_Toc42847137)

[2.2 Mapping the data 6](#_Toc42847138)

[2.3 Report Structure 6](#_Toc42847139)

[2. All-Wales Maps 8](#_Toc42847140)

[3. Local Authority Maps 9](#_Toc42847141)

|  |  |
| --- | --- |
| Figure 1 Single line figure reference | X |
| Figure 2 Double line figure reference Double line figure reference | X |
| Figure 3 Single line figure reference | X |
| Figure 4 Single line figure reference | X |
| Figure 5 Single line figure reference | X |
| Figure 6 Single line figure reference | X |
| Figure 7 Single line figure reference | X |
| Figure 8 Single line figure reference | X |

## Executive Summary

#### Subtitle (Heading 4)

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## 1. Introduction

### 1.1 Why map deprivation?

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### 1.2 The Welsh Index of Multiple Deprivation

As above, People who live in deprived areas may not be deprived and those living in areas with relatively low levsl of deprivation many be deprived. Low depriuavtion not the same as being affluent.

## 2. Methodology

### Methoody written for Guisers to replicate. Those not interested in technical dateails can skip straight to maps

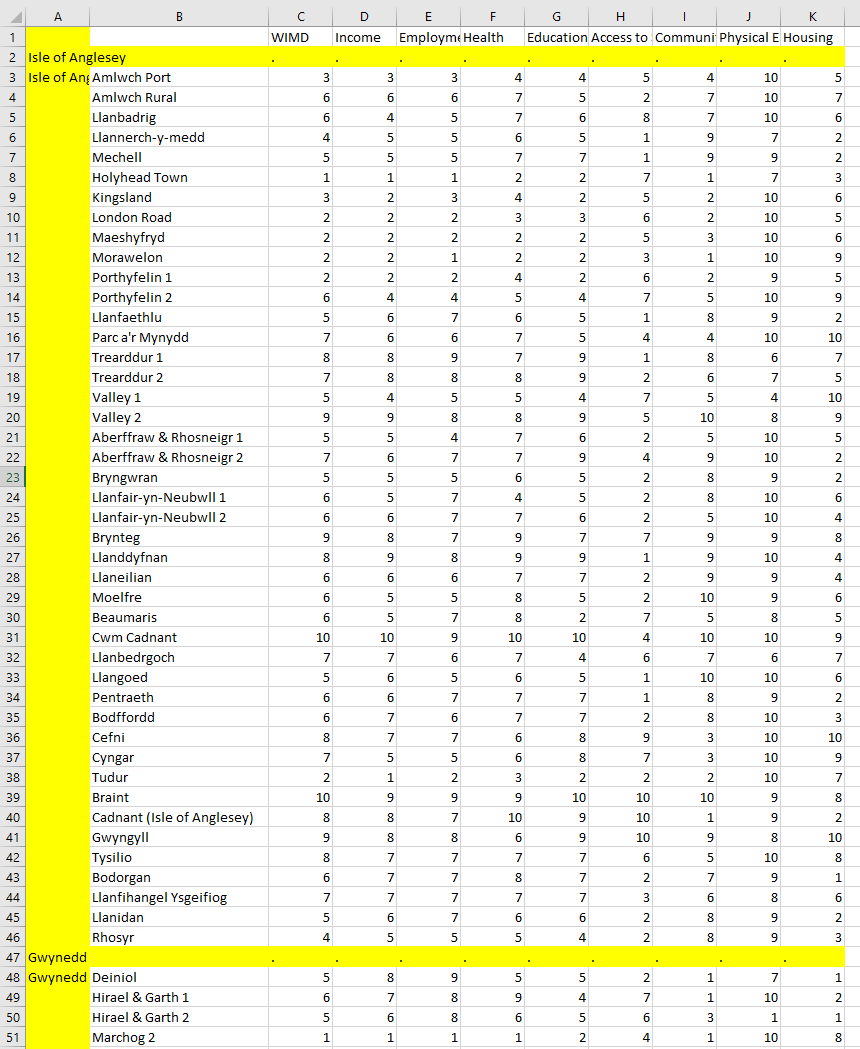
### 2.1 Data acquisition and pre-processing

<http://www.statsmapsnpix.com/2016/02/more-automated-mapping-in-qgis-using.html>

Data

* WIMD shapefiles from Lle
* Local authority shapfile – Lle
* LSOA to gfoegpahy (UA) lookup file from StatsWales

Methods notes

* Download LSOA rank from specifying “decile”- <https://statswales.gov.wales/Catalogue/Community-Safety-and-Social-Inclusion/Welsh-Index-of-Multiple-Deprivation/WIMD-2019/welshindexofmultipledeprivation2019-by-rank-decileandquintile-lowerlayersuperoutputarea>. Data prepped in Excel to remove superfluous rows and columns - 
* Spatial data for LSOAs downloaded from Lle - <https://lle.gov.wales/catalogue/item/LowerSuperOutputAreas/?lang=en>
* The above data only had name only, but spatial data on deprivation by LSOA downloaded from LLe included columns name – ideally these would be linked by a concise code as less room for error.
* Join LSAO – LA lookup to shapefile – create separate file then dissivle for LA boundaries.
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### 2.2 Mapping the data

### 2.3 Report Structure

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Figure 1

Figure 2

## 2. All-Wales Maps

## 3. Local Authority Maps