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Herefordshire County Council Housing Stock Modelling
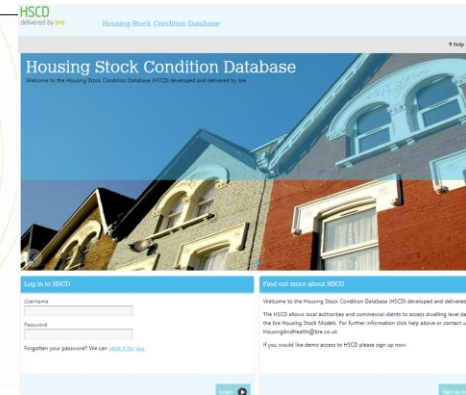
Building a better world together

Rob Flynn &
Megan Waller
BRE Housing & Health

1921	1967	1997	2003	Present
Building Research Station formed by central Government	BRE support English House Condition Survey (now English Housing Survey)	BRE becomes an independent business	First stock modelling report produced	Continually developing models & services

![bre]

All profits from the BRE Group are used by the BRE Trust to fund new research and education programmes that will help to meet its goal of 'building a better world together'

These funds support the three key elements of the Trust's activities: research, publications and five university centres of excellence

- Provide a geographical overview of the housing conditions across Herefordshire
- Provide information relating to the private sector stock for Category 1 HHSRS hazards, Houses in Multiple Occupation (HMOs) and EPC ratings
- Property type and dwelling age information
- Estimates of numbers of Class 4 HMOs
- Owner-occupied sector's ability to afford necessary renovations
- A breakdown of housing indicators at Locality and Primary Care Network Area levels

Project timeline:
- Tender submitted November 2018
- Commissioned end of January 2019
- Report delivered March 2019

Methodology

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1. Model housing conditions at dwelling level

- Hazards, disrepair, low income and fuel poverty
- Energy efficiency, wall types, insulation levels and energy use
- Houses in Multiple Occupation (HMOs) and private sector licensing

2. Integrate local data into the models

- Energy Performance Certificates (EPC)
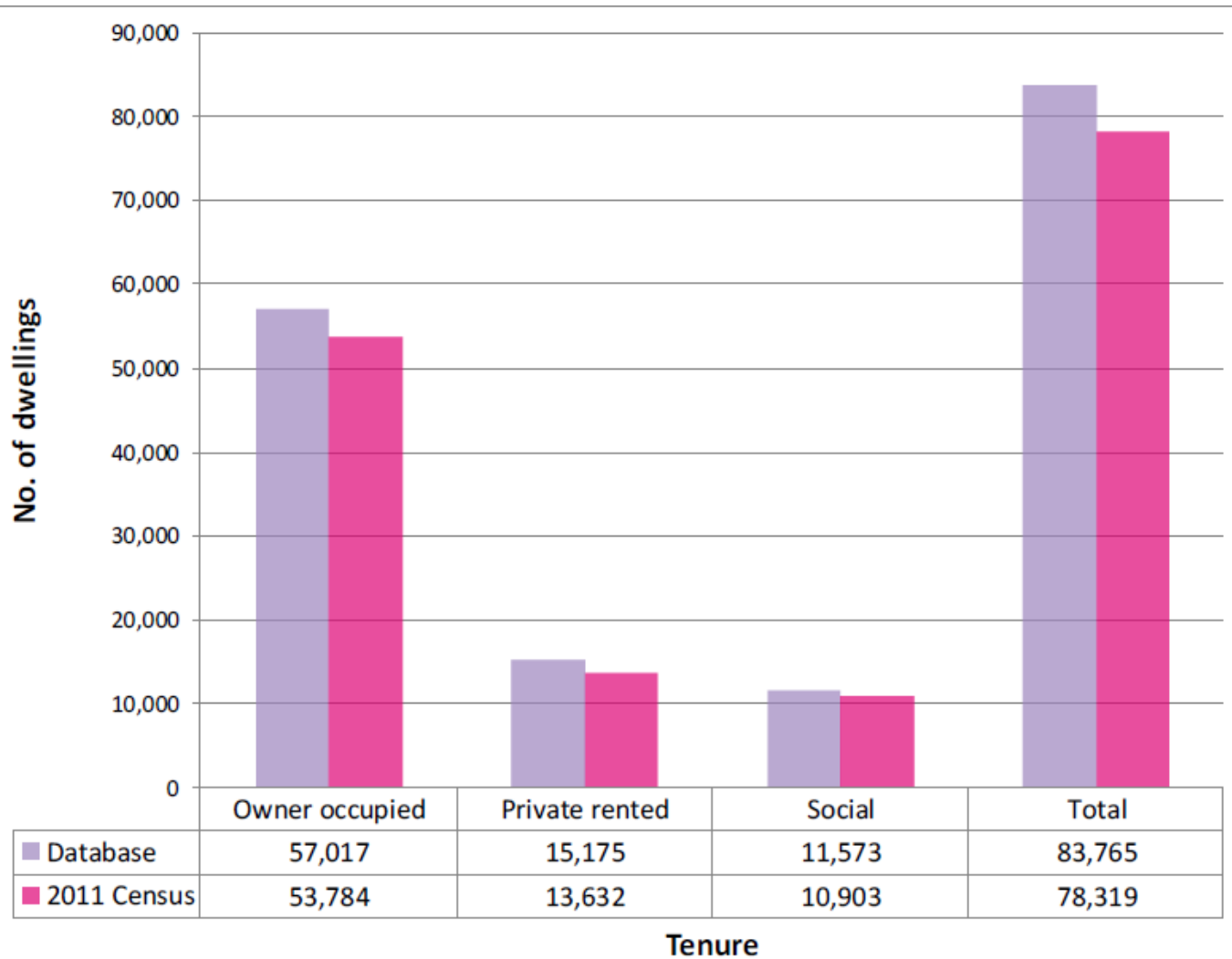- Tenure data (TDS data)
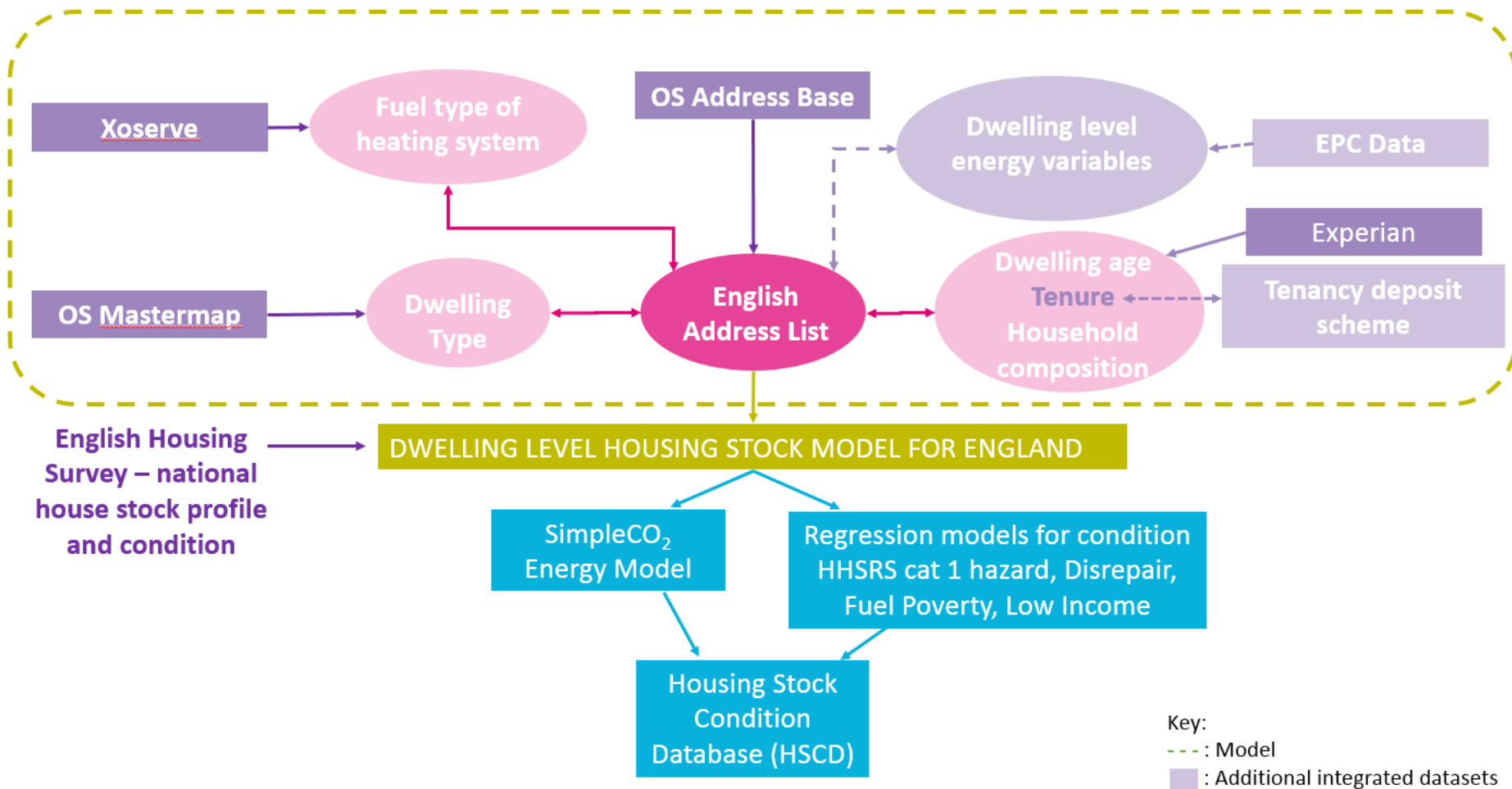
Data Sources

Data source	Total no. of records	No. (and %) of addresses matched
EPC data	46,610 – total records available	39,497 (84.7% of records provided)
Tenancy Deposit Scheme data	8,753 – total received	5,950 (67.9% of records provided)

Results
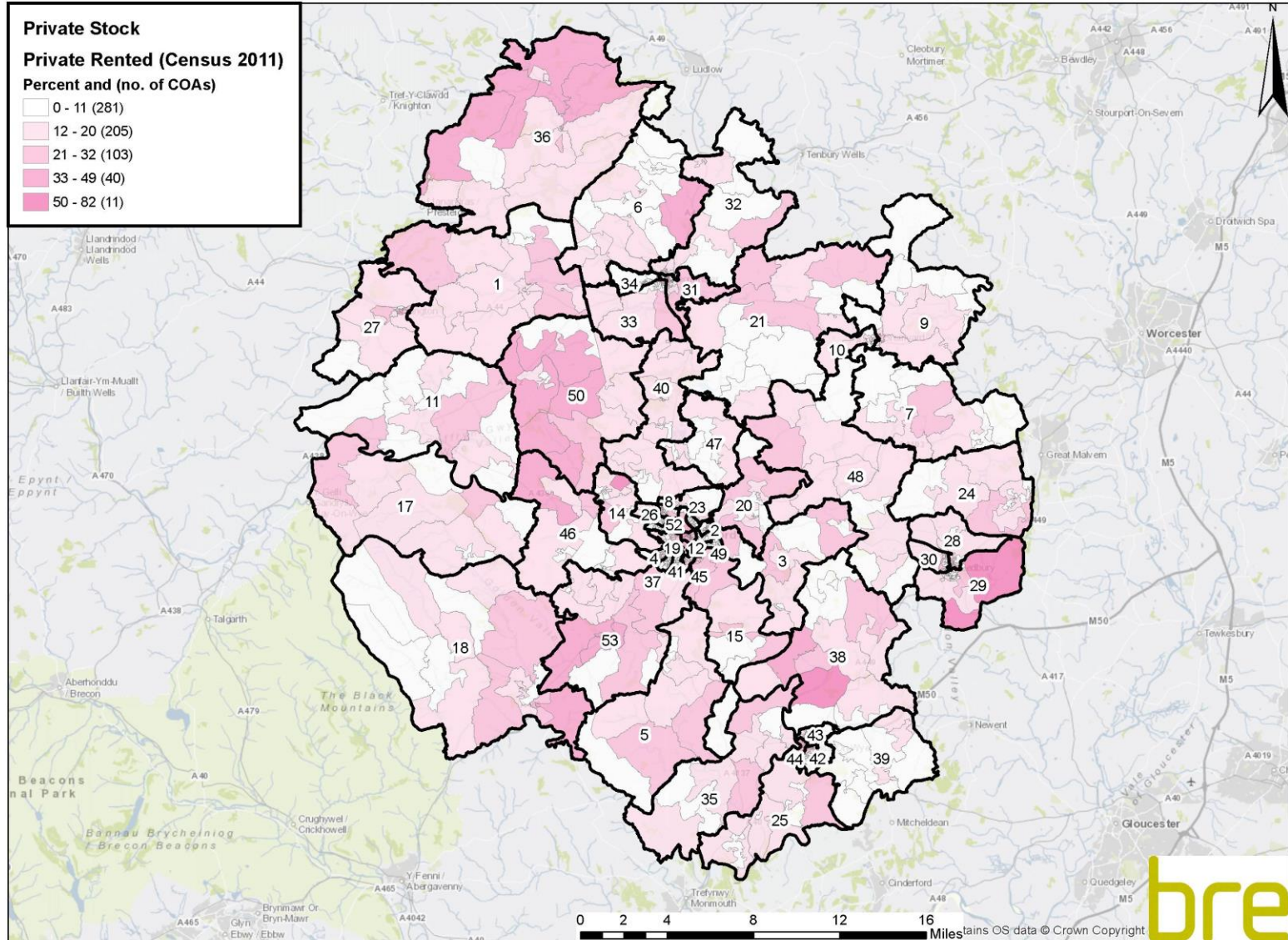# Overview of Herefordshire

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Tenure distribution for Herefordshire

	Owner occupied	Private rented	Social	Total
Database	57,017	15,175	11,573	83,765
2011 Census	53,784	13,632	10,903	78,319

Tenure

Distribution of private rented dwellings

Distribution of private rented dwellings

Private Stock

Private Rented (BRE Model)

Percent and (no. of COAs)

- 0 - 11 (260)
- 12 - 20 (180)
- 21 - 32 (112)
- 33 - 46 (60)
- 47 - 80 (28)

Dwelling type comparisons

Chart legend: EHS England, EHS Regional, Herefordshire

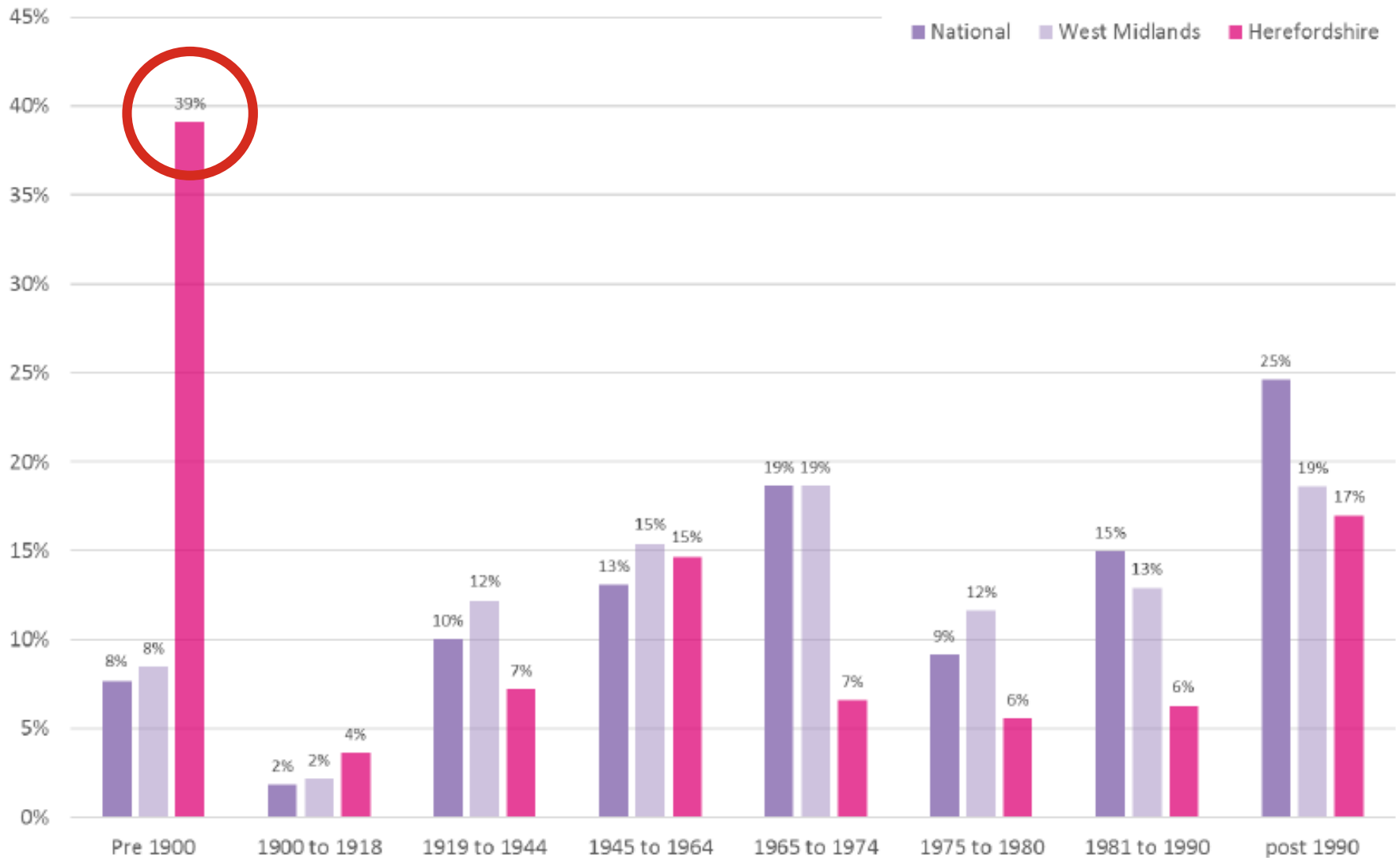| Dwelling type	EHS England	EHS Regional	Herefordshire
End terrace	10%	11%	9%
Mid terrace	20%	19%	14%
Semi-detached	28%	33%	22%
Detached	23%	25%	40%
Purpose built flat	16%	10%	12%
Converted flat	3%	1%	3%
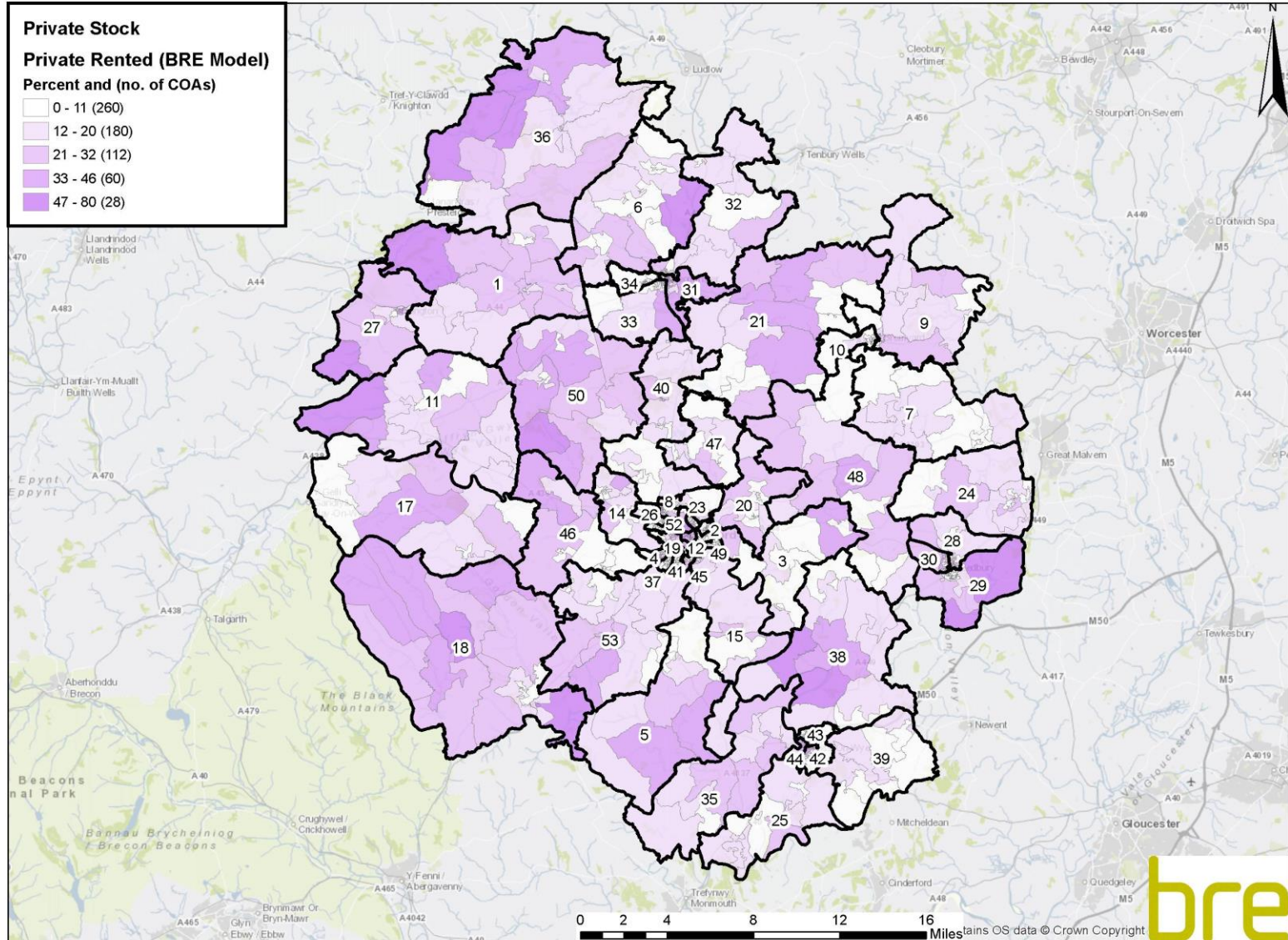
Detached houses – dwelling age

Detailed Results
Housing Conditions

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Comparisons with EHS National & Regional Statistics

Indicator		All Stock				Private sector stock			
		Herefordshire (no.)	Herefordshire (%)	2014 EHS Regional (%)	2014 EHS England (%)	Herefordshire (no.)	Herefordshire (%)	2014 EHS Regional (%)	2014 EHS England (%)
No. of dwellings		83,765	-	-	-	72,192	-	-	-
HHSRS Category 1 hazards	All hazards	20,572	25%	14%	12%	19,358	27%	14%	13%
	Excess cold	14,326	17%	3%	3%	13,851	19%	3%	4%
	Fall hazards	7,748	9%	9%	7%	7,103	10%	10%	7%
Disrepair		5,100	6%	6%	5%	4,518	6%	6%	5%
Fuel Poverty (10%)		11,942	14%	14%	12%	10,174	14%	14%	11%
Fuel Poverty (LIHC)		9,797	12%	12%	11%	8,110	11%	11%	10%
Low Income Households		22,257	27%	29%	27%	14,016	19%	20%	18%

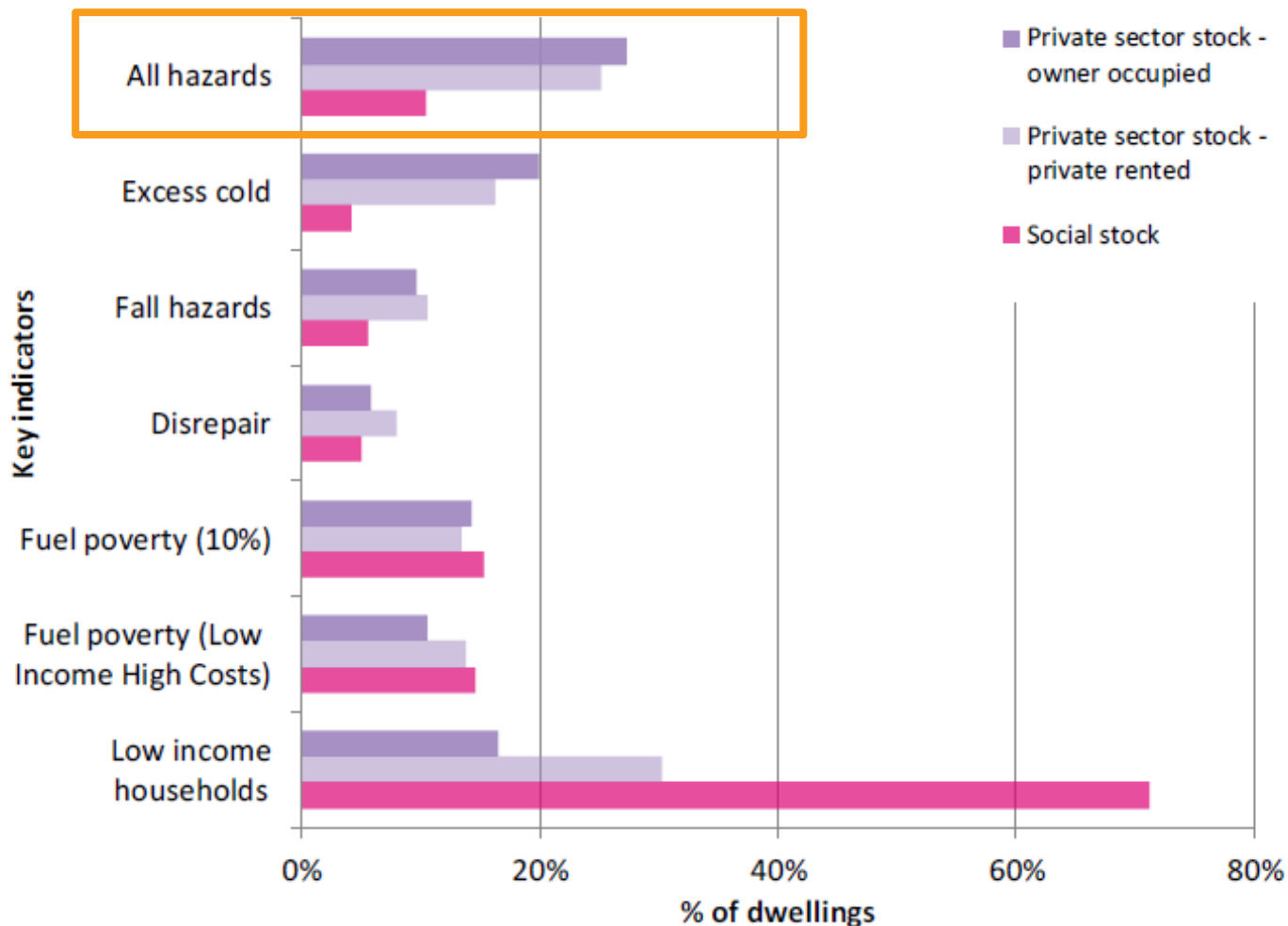# Percentage of dwellings meeting the key indicator criteria
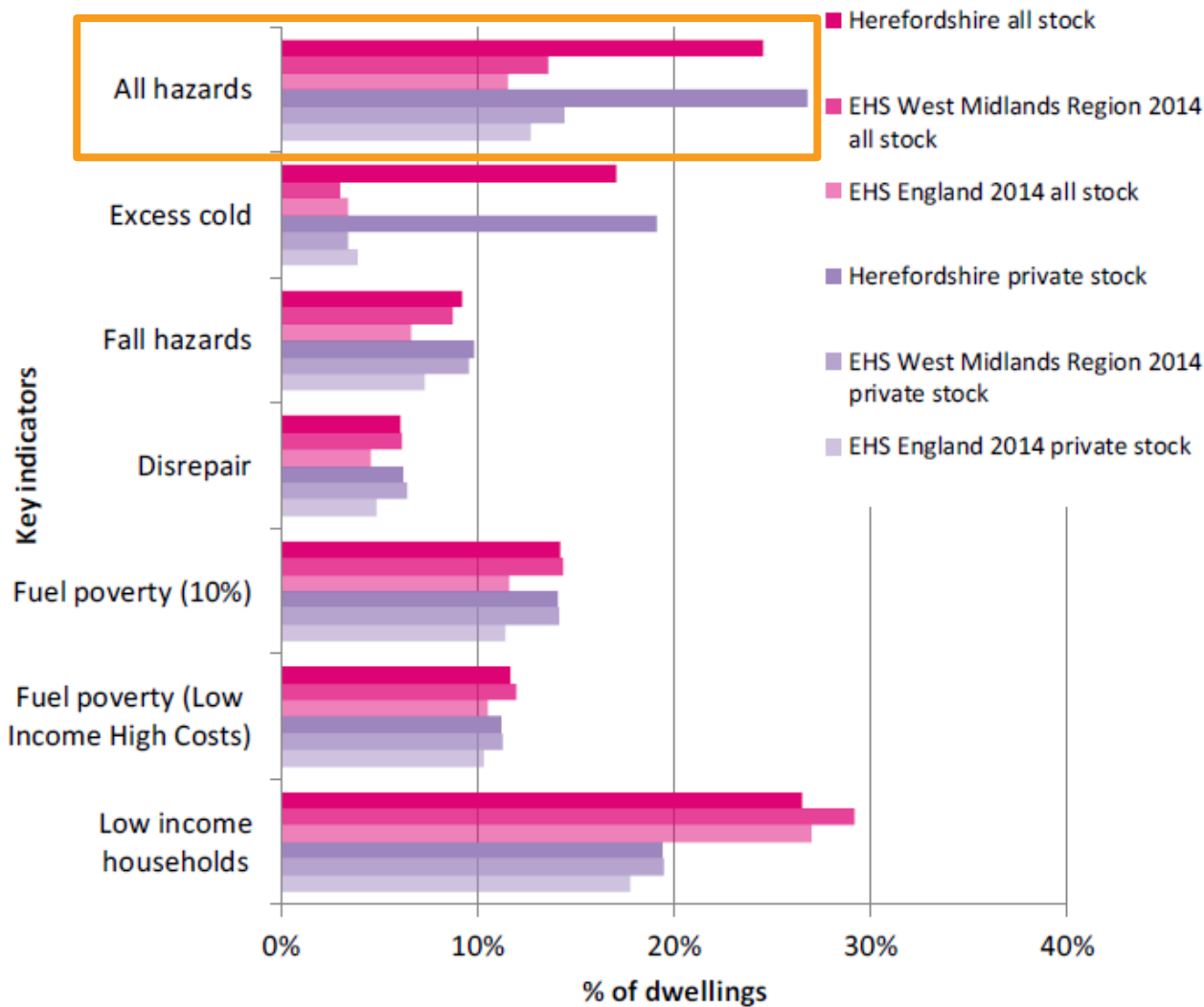
19,358 dwellings in the **private sector** with Category 1 HHSRS hazards

This equates to 27% of properties

A closer look at the private sector

Indicator		Private sector stock			
		Owner Occupied		Private Rented	
		No.	%	No.	%
No. of dwellings		57,017	-	15,175	-
HHSRS Category 1 hazards	All hazards	15,545	27%	3,813	25%
	Excess cold	11,376	20%	2,475	16%
	Fall hazards	5,502	10%	1,601	11%
Disrepair		3,317	6%	1,201	8%
Fuel poverty (10%)		8,145	14%	2,029	13%
Fuel poverty (LIHC)		6,029	11%	2,081	14%
Low income households		9,435	17%	4,581	30%

Percentage of dwellings meeting the key indicator criteria – private sector

Legend:
- Private sector stock - owner occupied
- Private sector stock - private rented
- Social stock

Key indicators (Y-axis):
- All hazards
- Excess cold
- Fall hazards
- Disrepair
- Fuel poverty (10%)
- Fuel poverty (Low Income High Costs)
- Low income households

X-axis: % of dwellings (0% to 80%)

3,813 dwellings in the private rented sector with Category 1 HHSRS hazards

This equates to 25% of properties
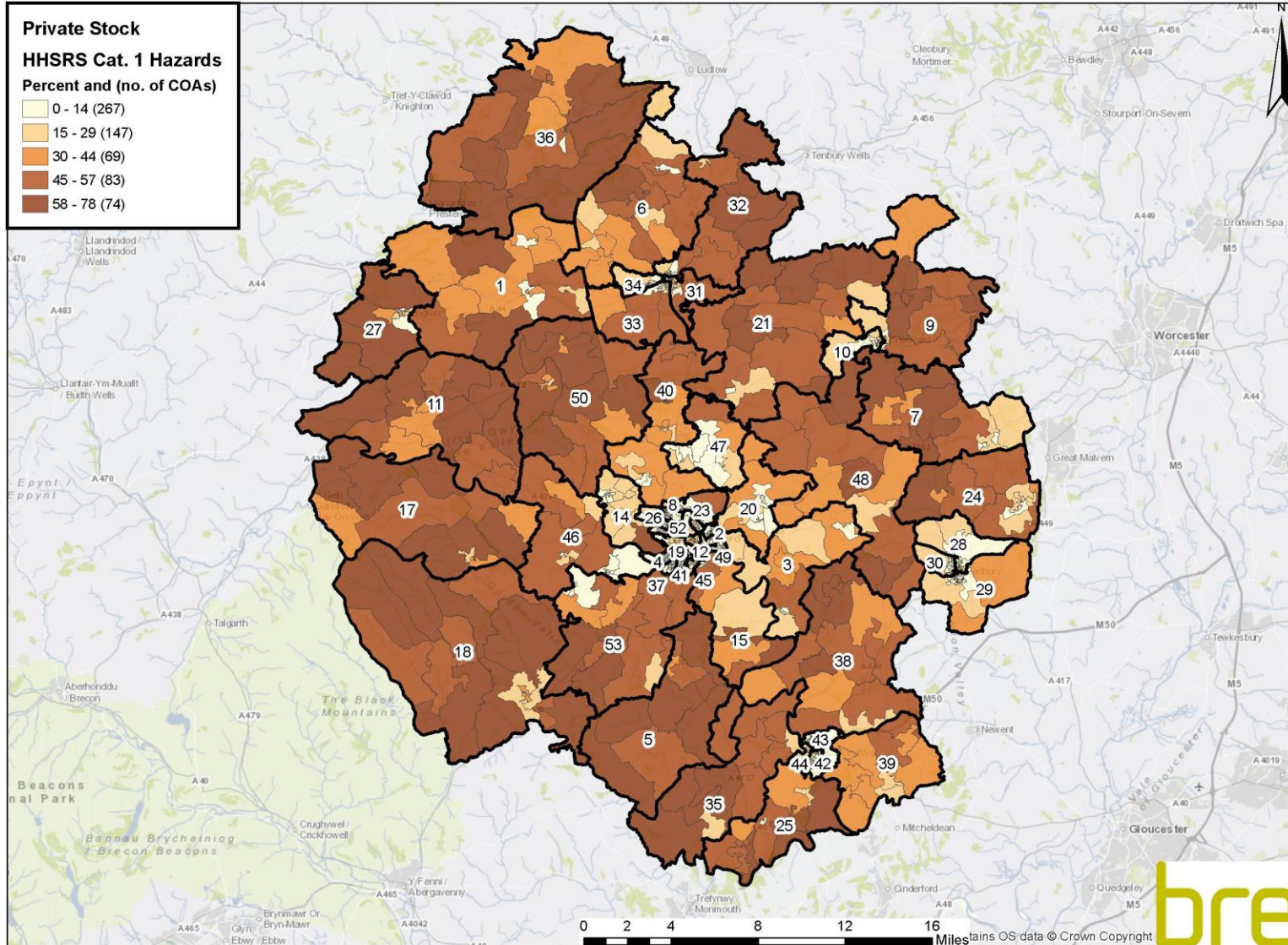
Highest proportions:

Birch (5)
Castle (11)
Golden Valley North (17)

Highest proportions:
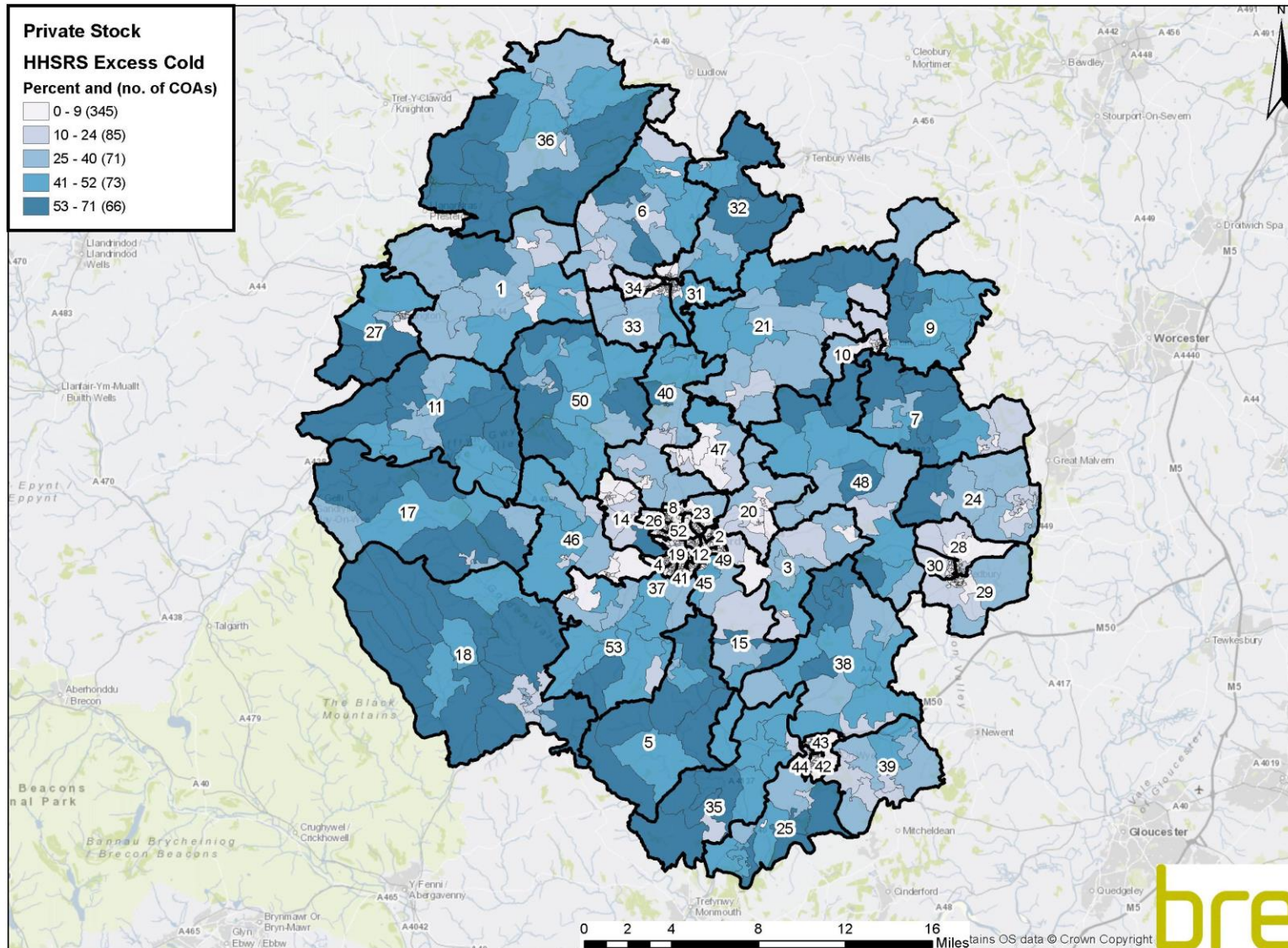
Birch (5)
Castle (11)
Golden Valley
South (18)

Cost of mitigating Category 1 hazards

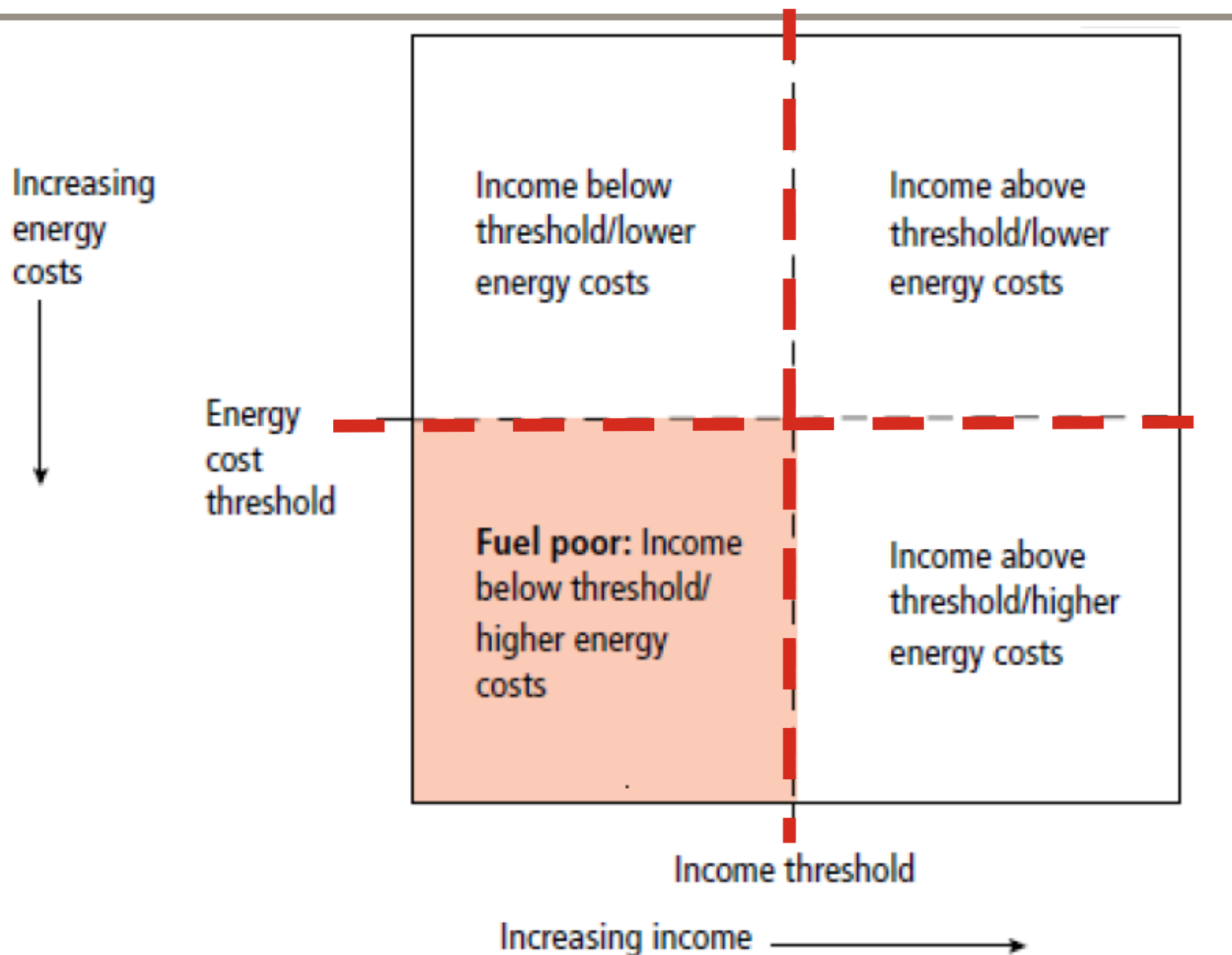| Tenure	No. of Hazards	Total Cost (£)
Private Sector	19,358	54,011,978
Owner Occupied	15,545	43,373,086
Private Rented	3,813	10,638,892

- Costs based on average cost of mitigating Category 1 hazards – using EHS data
- EHS surveyors given a range of common treatments that they can specify to treat each hazard
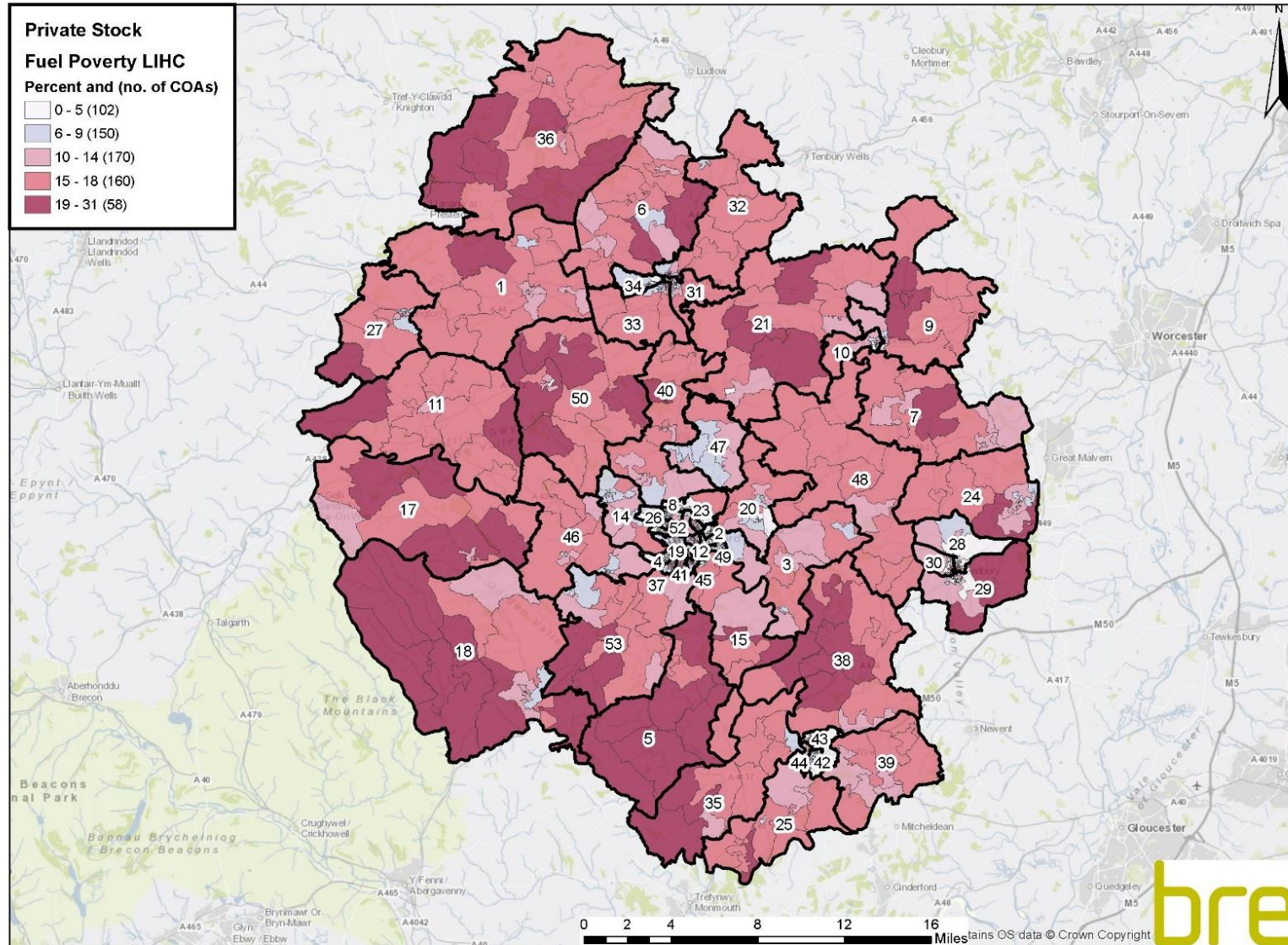- Treatment specified is costed using a standard set of prices
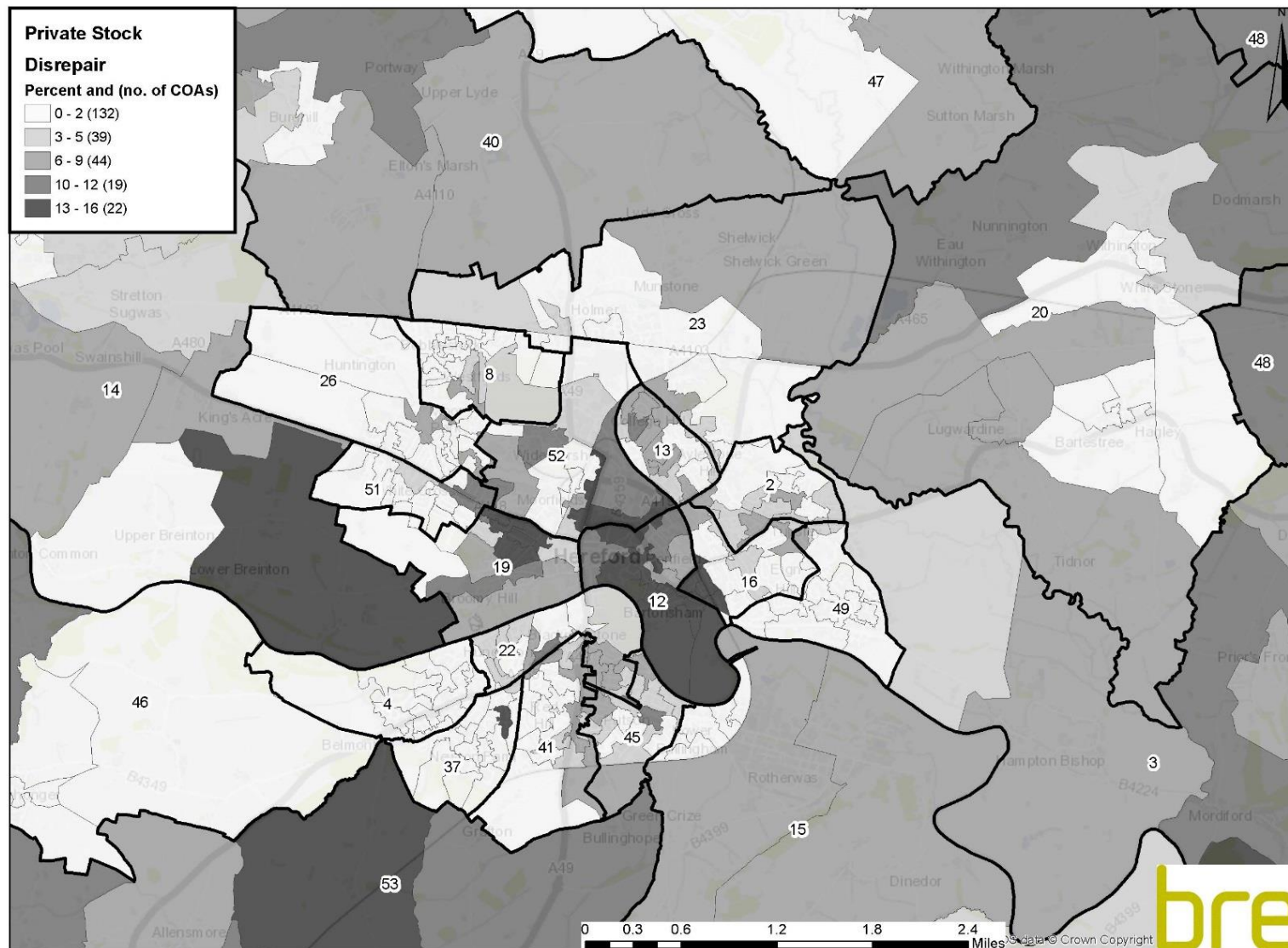
Highest proportions:

Central (12)
Greyfriars (19)
Castle (11)

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Increasing energy costs

Income below threshold/lower energy costs

Income above threshold/lower energy costs

Energy cost threshold

Fuel poor: Income below threshold/ higher energy costs

Income above threshold/higher energy costs

Income threshold
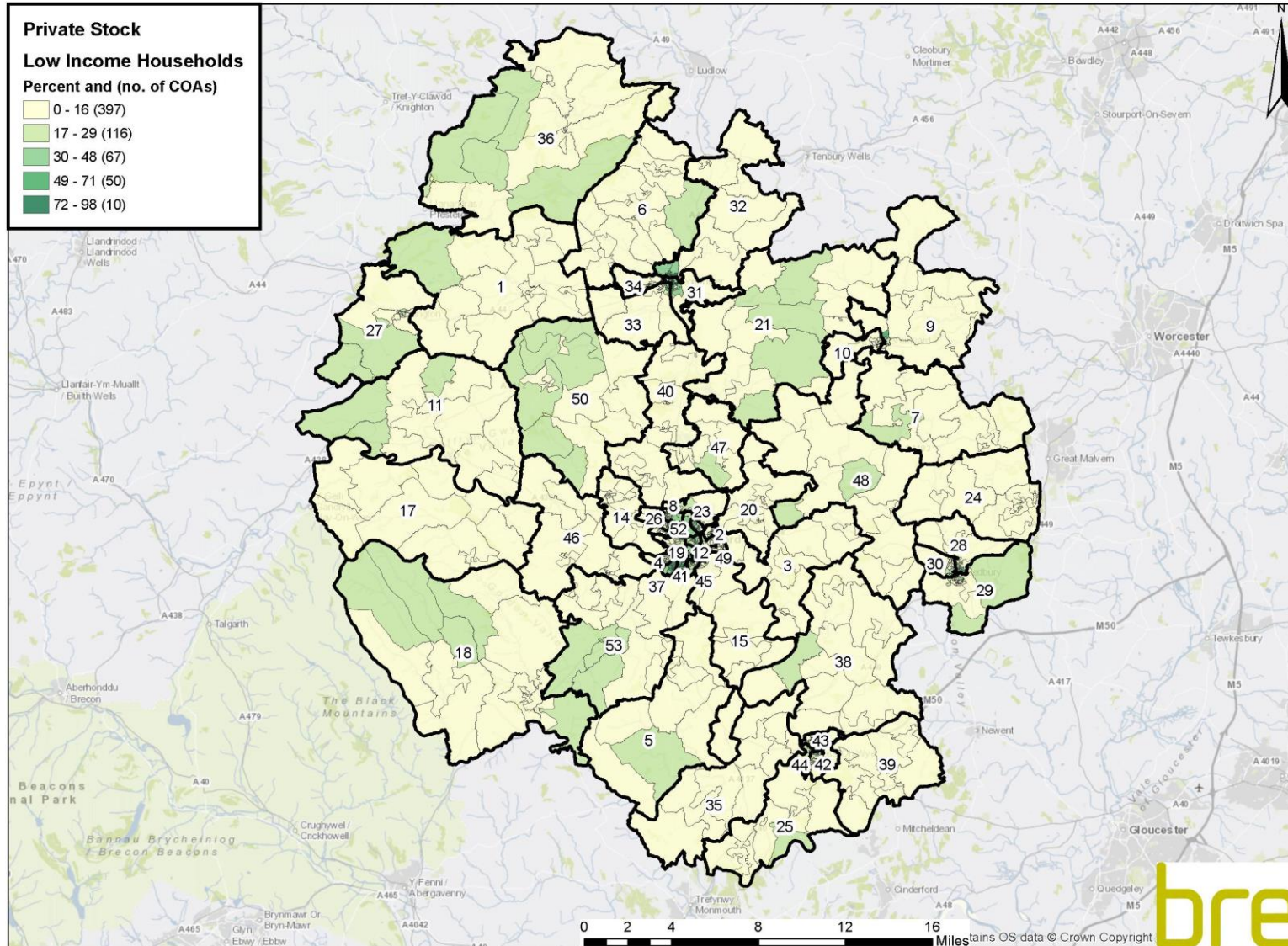
Increasing income

Fuel poverty - Low Income High Cost

Highest proportions:

**Birch (5)
Golden Valley
South (18)
Old Gore (38)**

	Avg fuel poverty gap (England 2014)	Herefordshire	
		Fuel poor households	Aggregated fuel poverty gap
	£	Count	£
(92-100) A / (81-91) B / (69-80) C	192	0	-
(55-68) D	188	277	52,076
(39-54) E	387	695	268,965
(21-38) F / (1-20) G	1,033	1,109	1,145,597

Highest proportions:

Newton Farm (37)
Hinton & Hunderton (22)
Widemarsh (52)
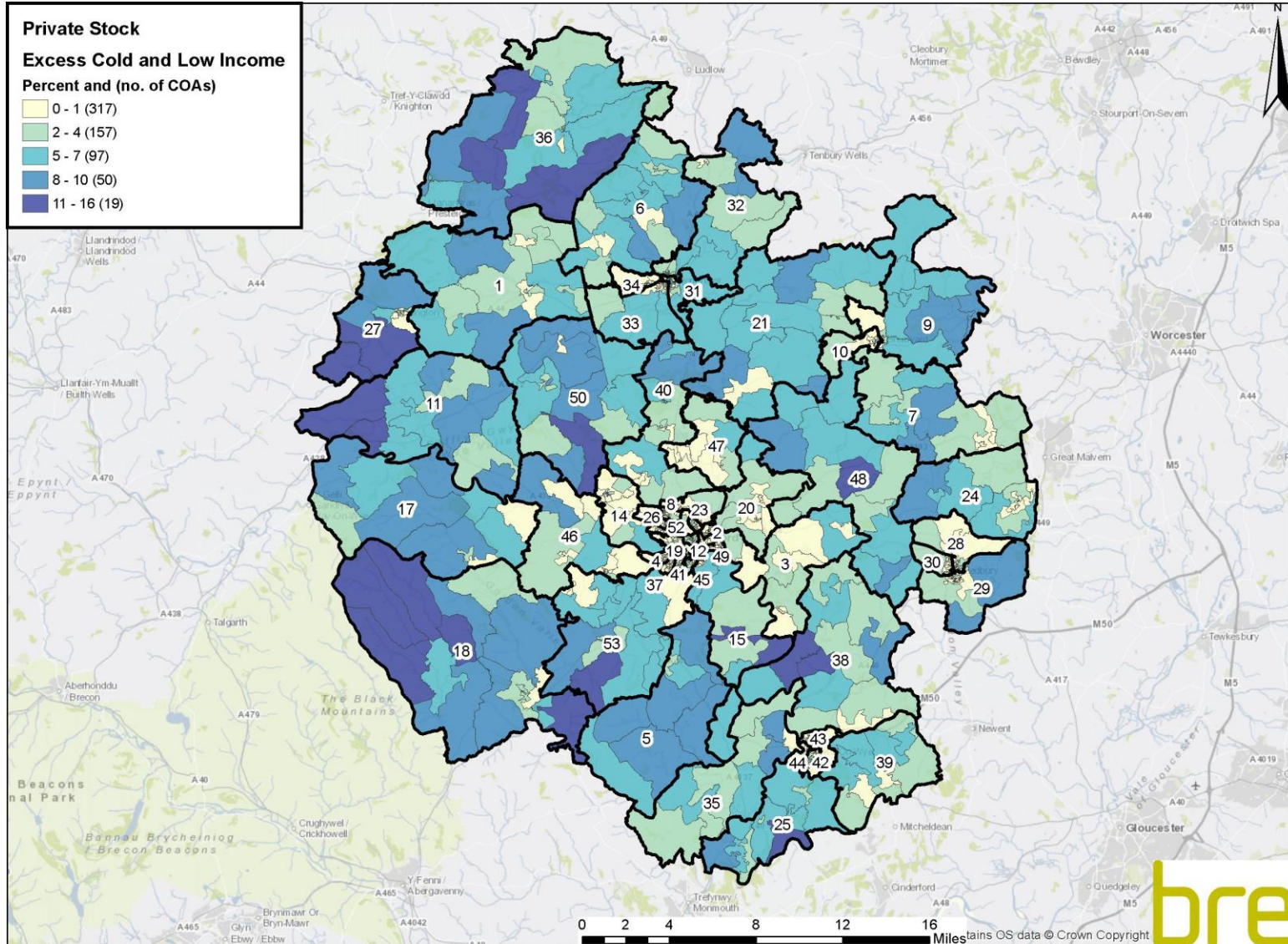
Highest proportions:

Golden Valley South (18)
Kington (27)
Mortimer (36)

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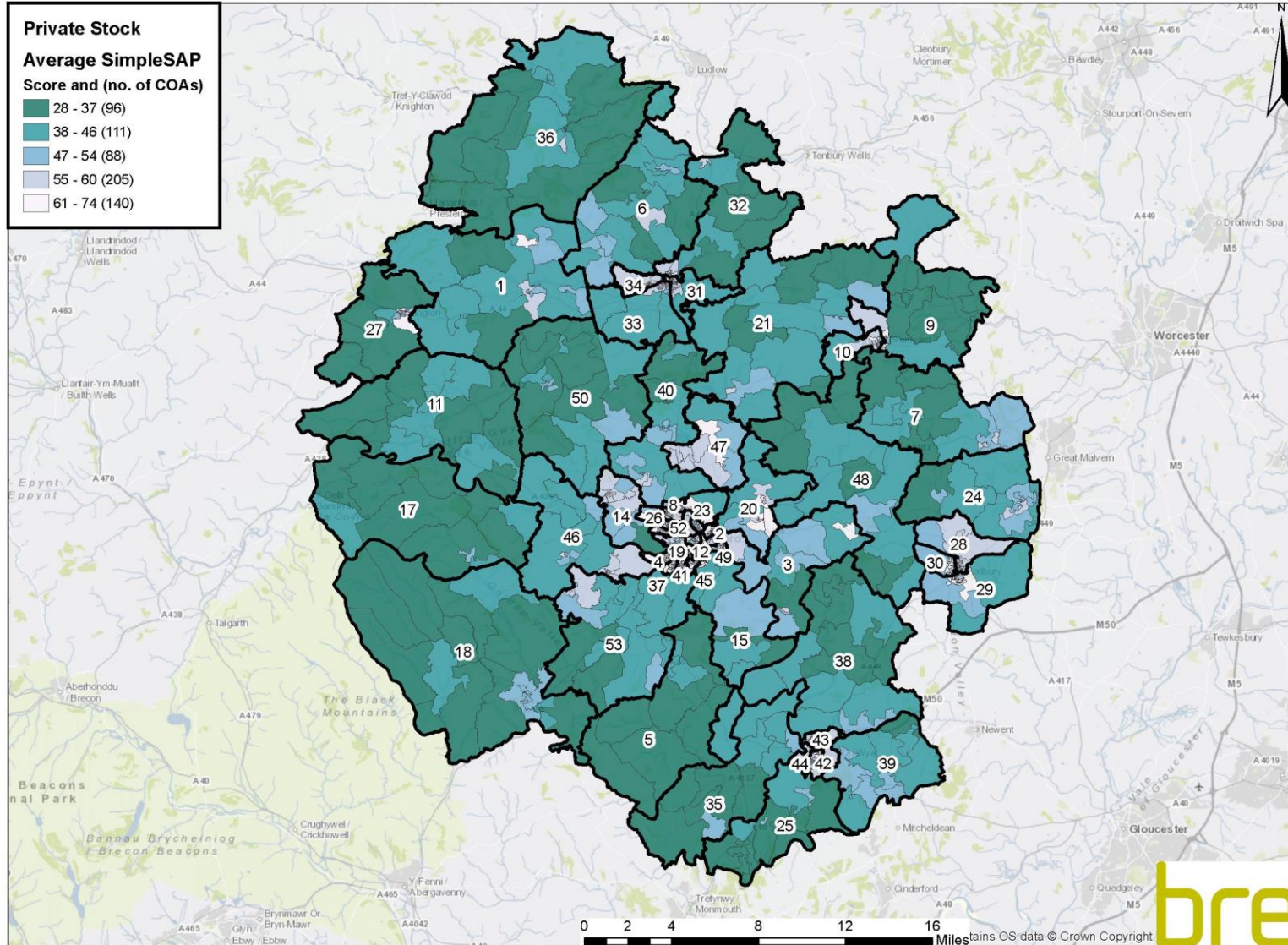
Highest proportions:

Birch (5)
Castle (11)
Golden Valley
North (17)

Average SimpleSAP comparison
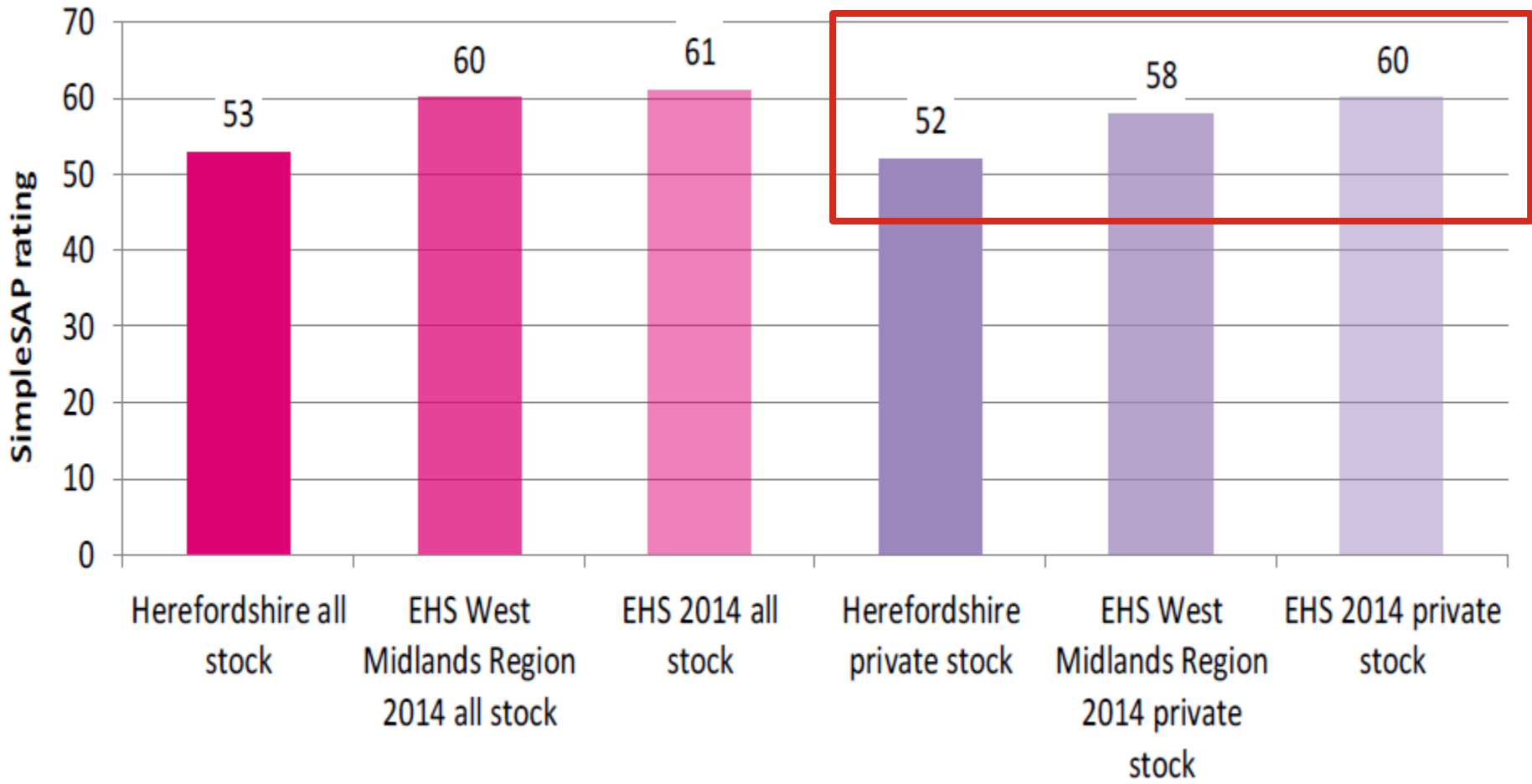
Energy efficiency in the private sector stock

Energy Act 2011 & Energy Efficiency Regulations 2015

From April 2018 landlords must ensure that their properties reach at least an EPC rating of E

EPC Rating	Herefordshire Count	Herefordshire Percent	2014 EHS England Percent
(92-100) A	0	0.0%	1.4%
(81-91) B	74	0.5%	
(69-80) C	2,957	19.5%	23.8%
(55-68) D	5,927	39.1%	48.9%
(39-54) E	3,086	20.3%	18.3%
(21-38) F	2,290	15.1%	5.4%
(1-20) G	841	5.5%	2.1%
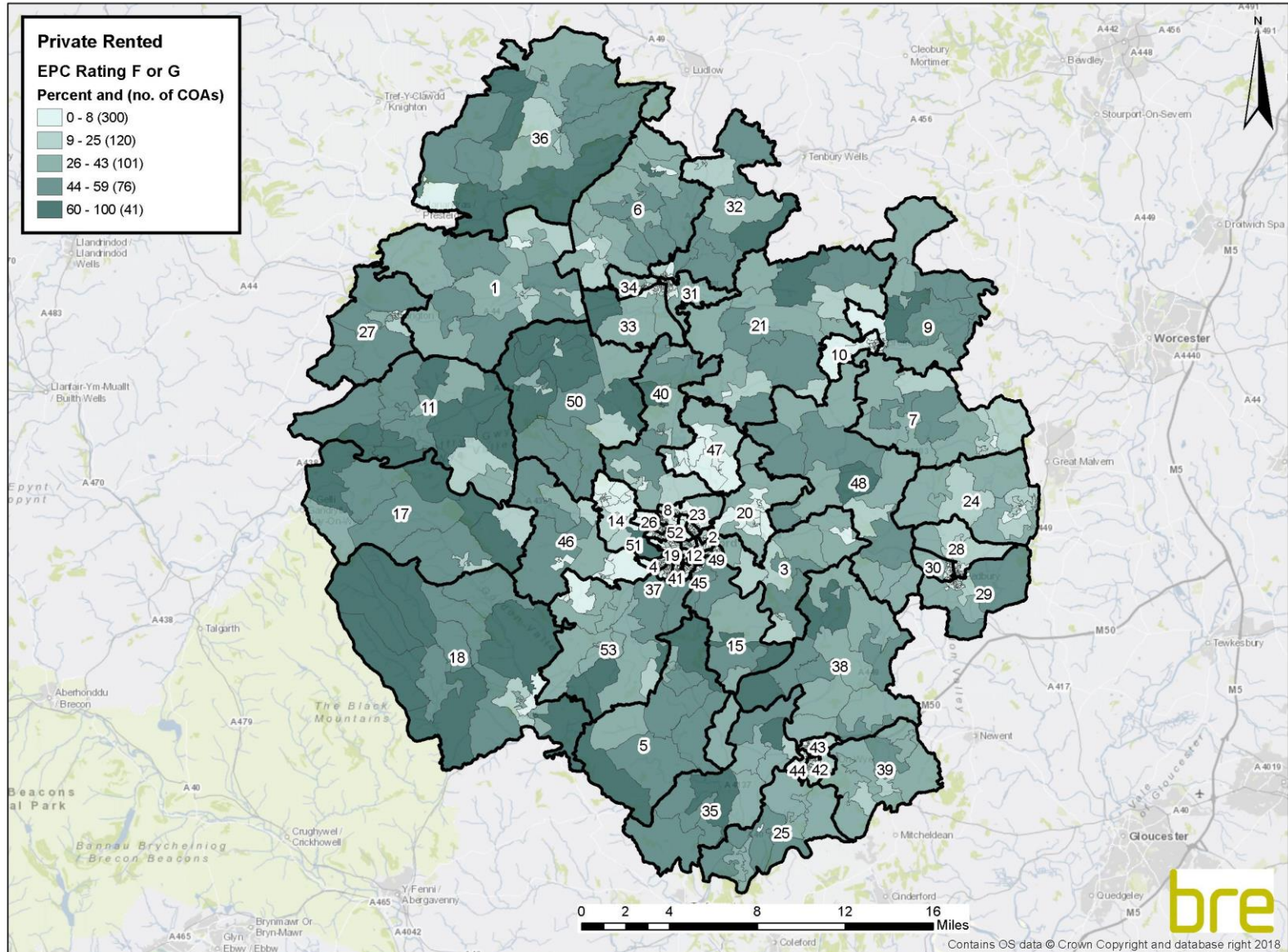
HMOs

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Modelled using specific criteria from Experian data sources & information derived from SimpleCO2 model

Criteria includes:

- Privately rented properties with 3 or more bedrooms
- Occupied by male/female/mixed home sharers
- Mixed occupancy dwellings

Experian Mosaic Classifications

- Renting a Room
- Career Builders
- Flexible Workforce
- Bus Route Renters
- Learners and Earners
- Student Scene

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Modelled using same criteria as HMO's with additional elements

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4 or more bedrooms

Purpose built flats with up to 2 flats in the block **&** 1 or both have 4 or more bedrooms

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Non-flats with 4 or more bedrooms *(allows for some sharing of rooms or if living room used as a bedroom)*

Flats that are:
- 2 or more storeys
- 4 or more bedrooms
- less than 6 storeys *(to remove modern blocks of flats often constructed with commercial premises on the ground floor)*
- A non-residential element *(this is to capture converted flats above commercial premises)*

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Town and Country Planning Order 1987 - 49 classes of use are defined for which planning permission needs to be obtained

A standard dwelling would be a Class 3, but an HMO with up to 6 residents living together is a Class 4

To predict numbers of Class 4 HMOs in Herefordshire, the number of bedrooms was adjusted to reflect up to 6 residents sharing

No. of private sector dwellings	HMOs	Class 4 HMOs	Mandatory Licensing Scheme HMOs
72,192	1,590	1,499	544

Private Stock

HMO

Count and (no. of COAs)

- 0 - 2 (168)
- 3 - 6 (61)
- 7 - 13 (17)
- 14 - 26 (9)
- 27 - 46 (1)

Private Stock

Licensable HMO
Count and (no. of COAs)
- 0 (365)
- 1 - 2 (209)
- 3 - 4 (48)
- 5 - 7 (16)
- 8 - 16 (2)

Private Stock

Class C4 HMOs
Count and (no. of COAs)
- 0 - 2 (447)
- 3 - 6 (156)
- 7 - 13 (24)
- 14 - 26 (11)
- 27 - 46 (2)

Private Stock

Class C4 HMOs
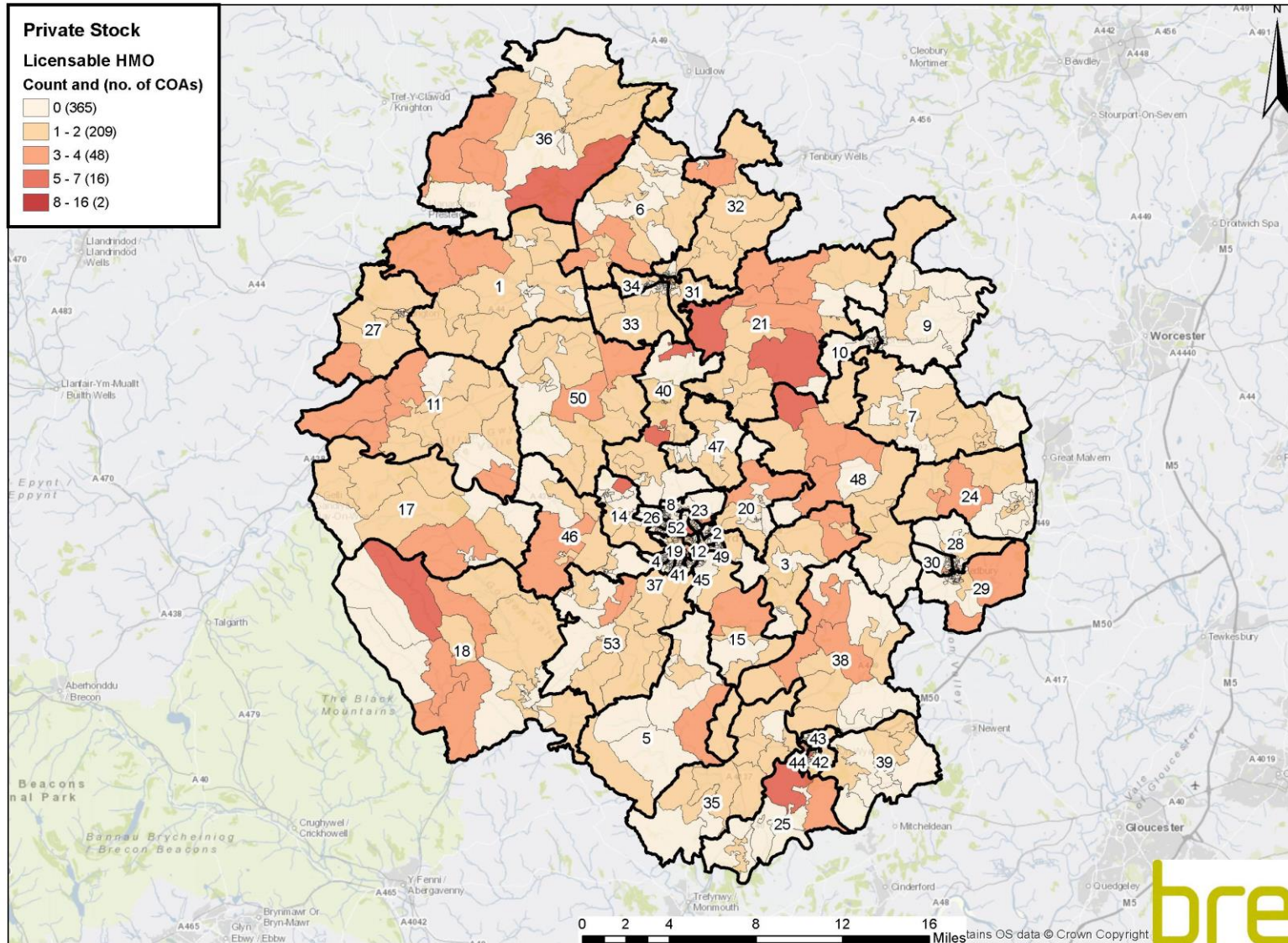Count and (no. of COAs)
- 0 - 2 (144)
- 3 - 6 (53)
- 7 - 13 (2)
- 27 - 46 (1)
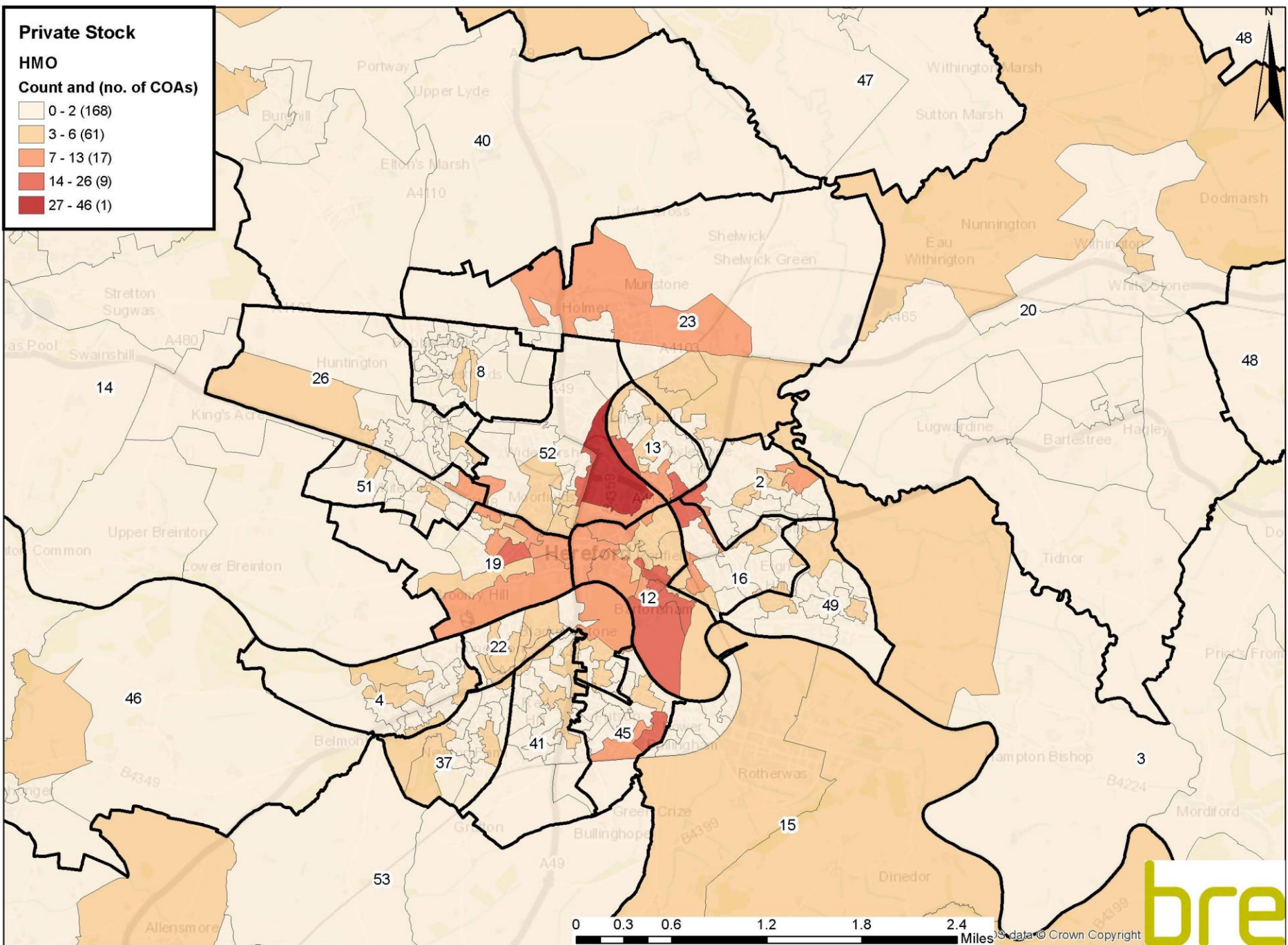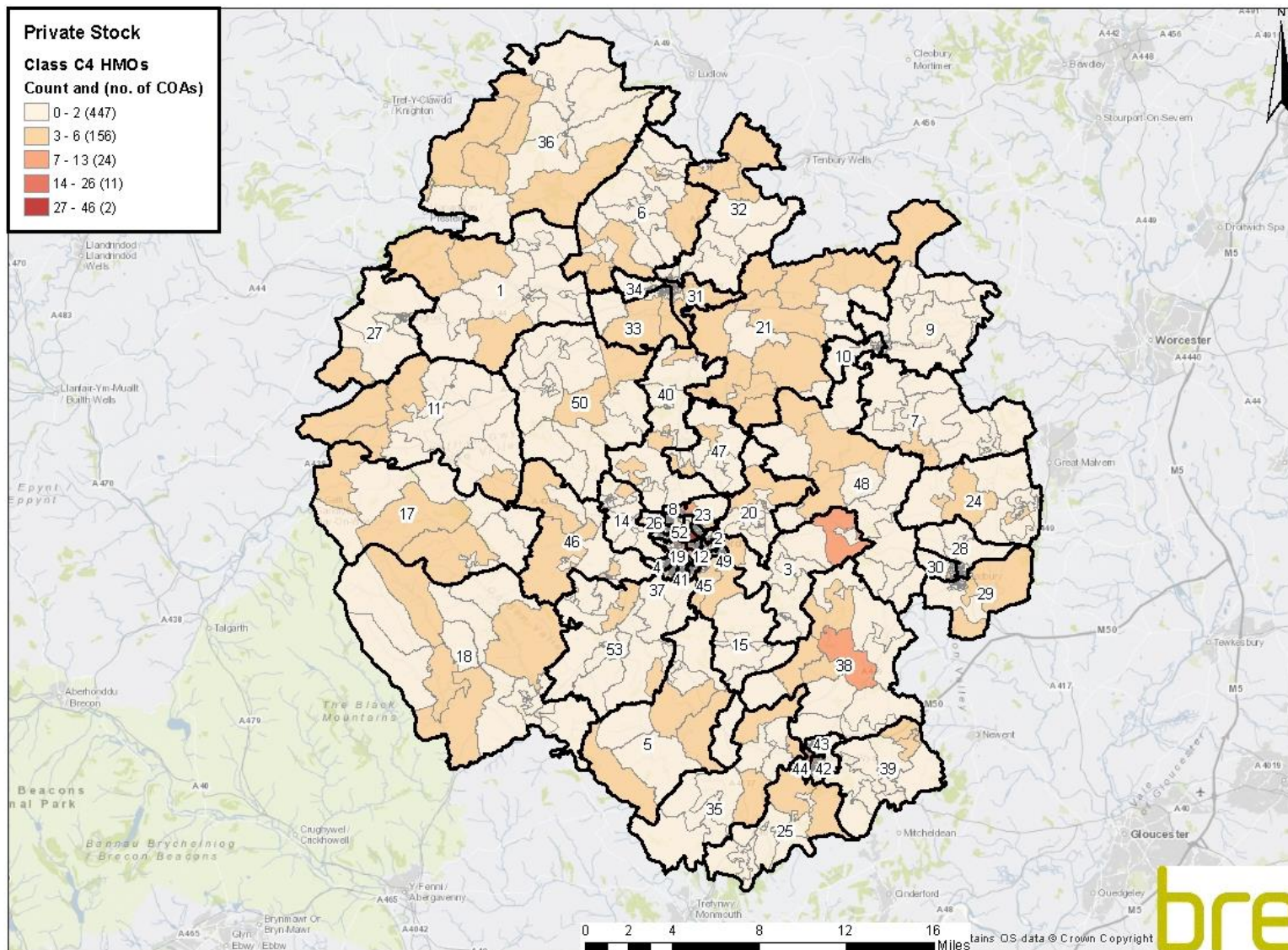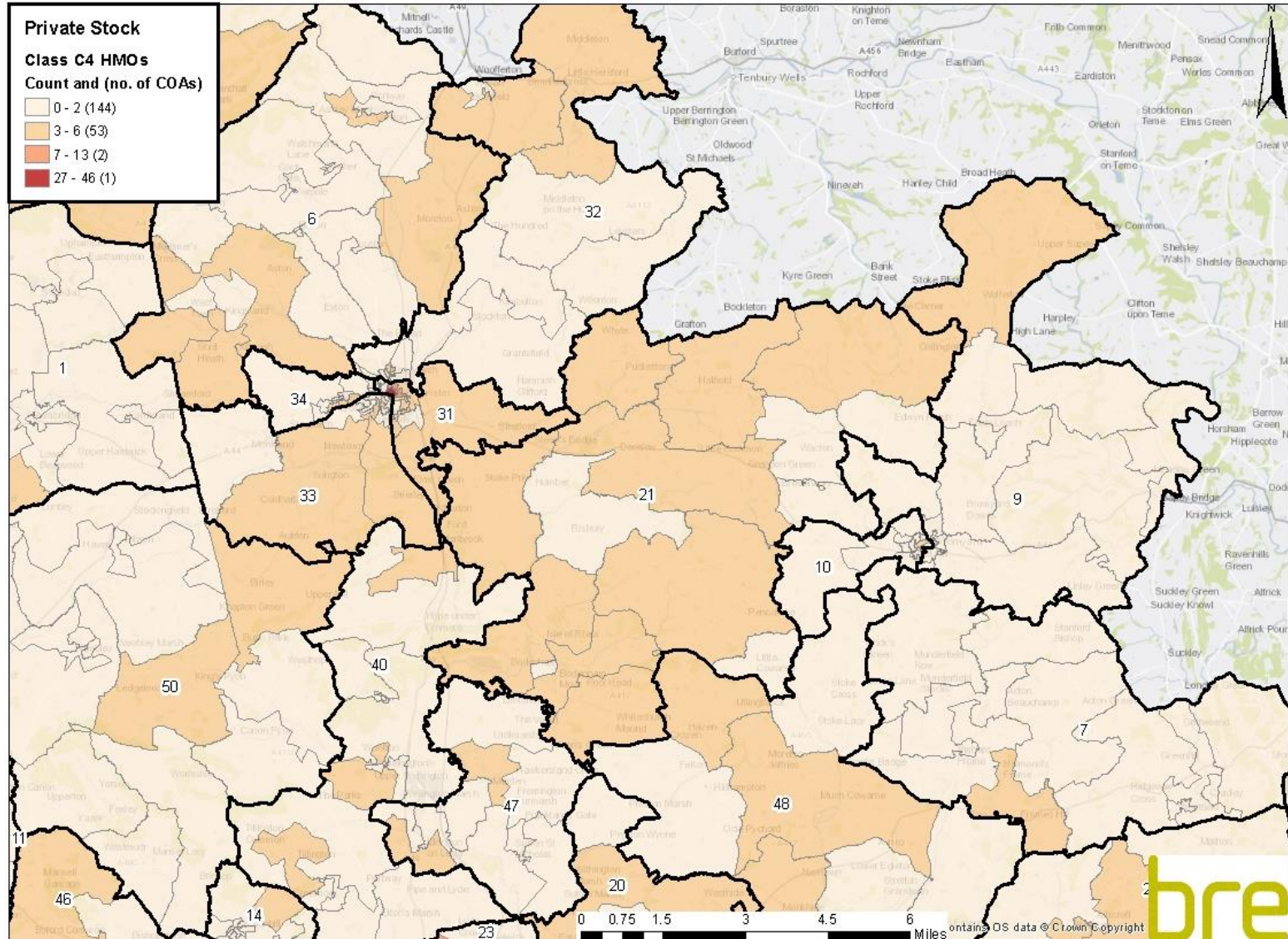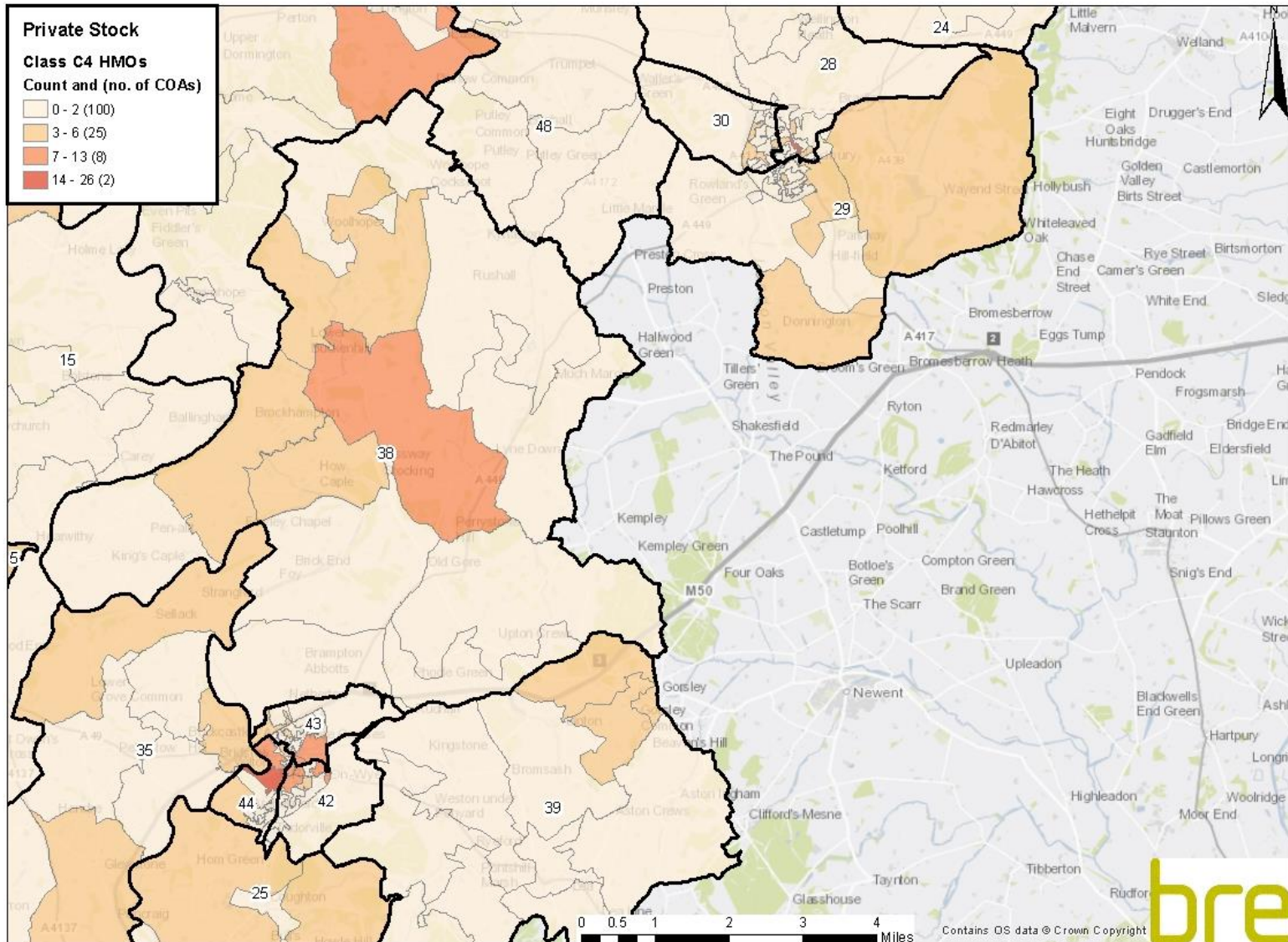
Additional Analysis

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Owner occupier sector only
Determine which dwellings are in disrepair
Likely to be on low income
Assess dwellings both with disrepair and low income

Estimate of owner occupied dwellings which may require some form of renovation, but where the occupier may not be able to afford to carry these out due to being on a low income

Owner occupiers ability to afford renovations

Ward	Dwellings	Disrepair	Low Income Households	Disrepair & Low Income	Disrepair & Low Income (% of disrepair)
Newton Farm	668	7 (1%)	396 (59%)	4 (1%)	57%
Bromyard West	963	28 (3%)	127 (13%)	15 (2%)	54%
Whitecross	1,017	29 (3%)	187 (18%)	15 (1%)	52%
Widemarsh	620	46 (7%)	286 (46%)	23 (4%)	50%
Hinton & Hunderton	741	37 (5%)	387 (52%)	15 (2%)	41%
Central	861	98 (11%)	201 (23%)	33 (4%)	34%
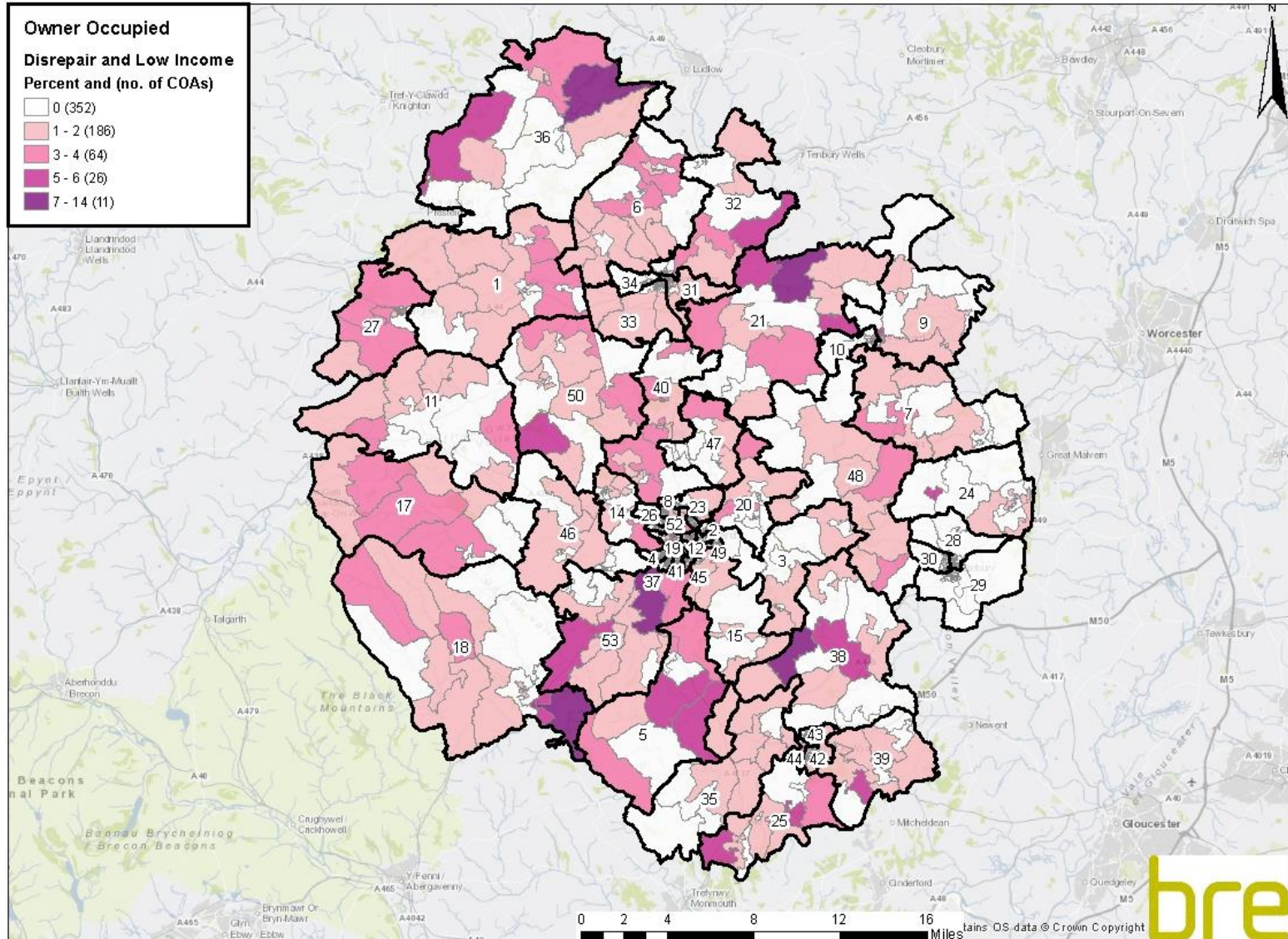
Distribution of dwellings – Hereford
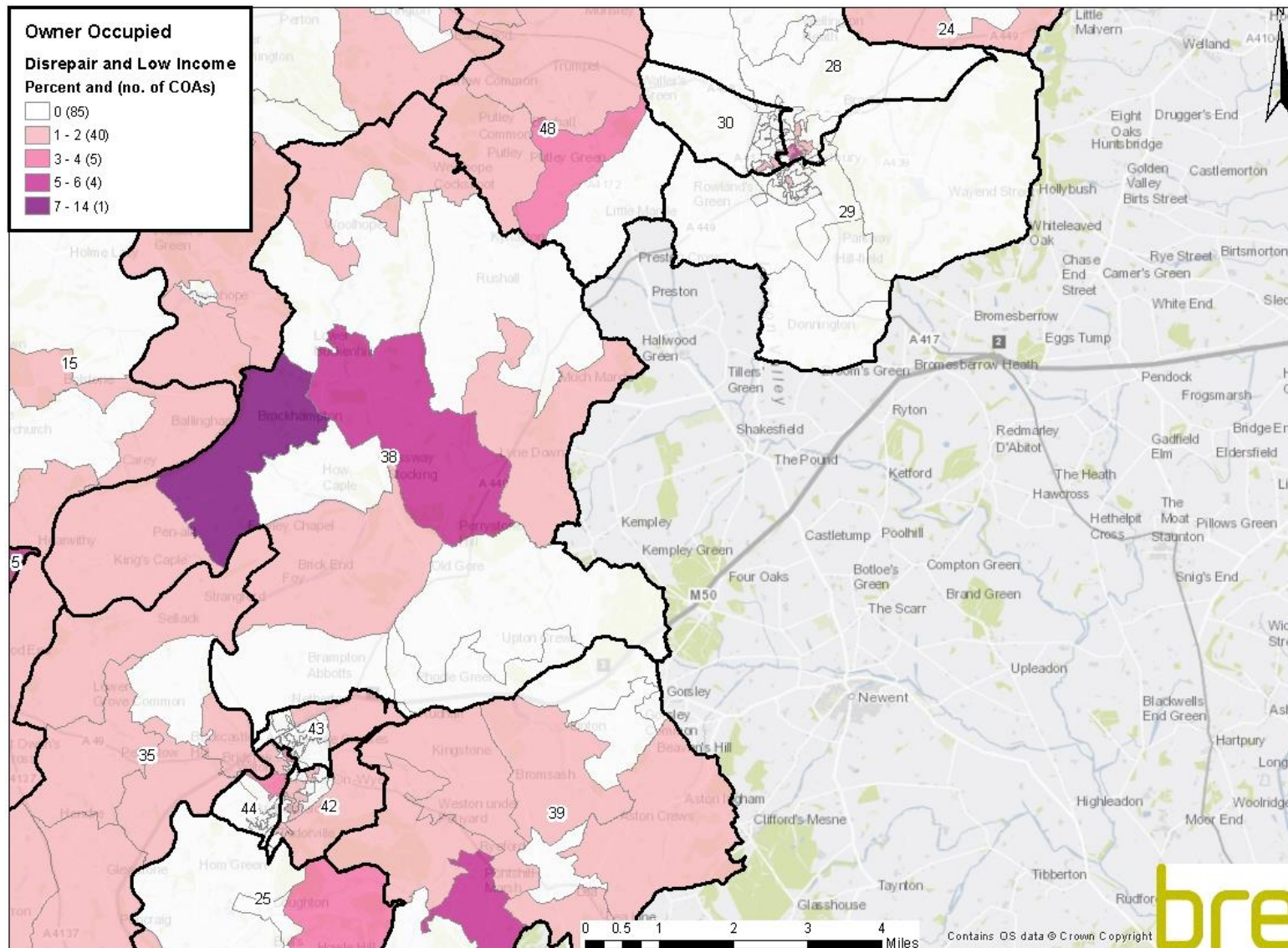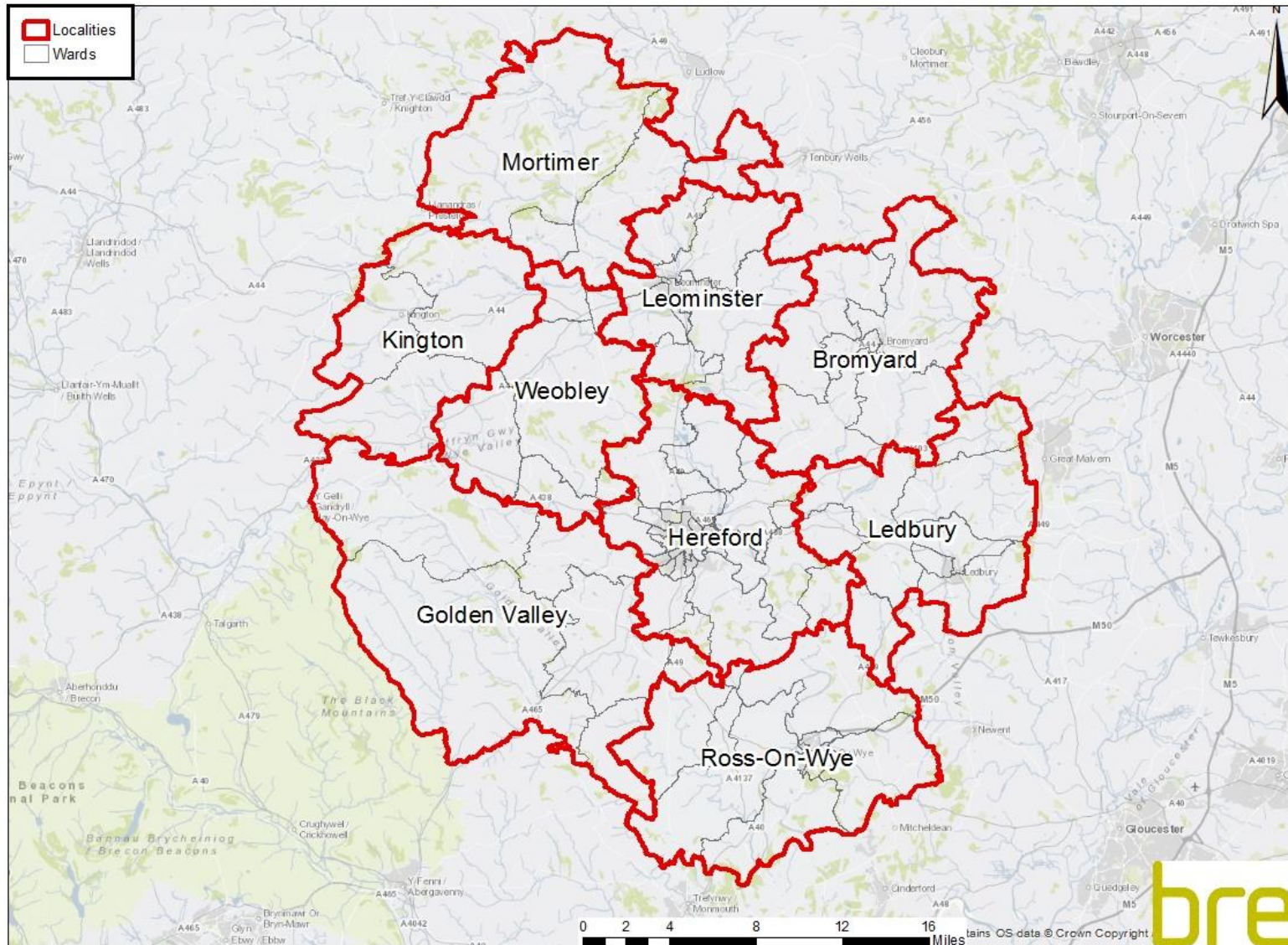
Housing indicators at locality level – all stock

| Localities | Dwellings | HHSRS Category 1 hazards | | | Disrepair | Fuel poverty | | Low income households | Average SimpleSAP |
		All hazards	Excess cold	Fall hazards		10%	LIHC		
Bromyard	4,851	1,755 (36%)	1,414 (29%)	505 (10%)	364 (8%)	948 (20%)	695 (14%)	1,090 (22%)	47
Golden Valley	6,449	2,700 (42%)	2,303 (36%)	699 (11%)	510 (8%)	1,419 (22%)	1,022 (16%)	1,110 (17%)	43
Hereford	34,136	4,906 (14%)	2,144 (6%)	2,825 (8%)	1,645 (5%)	3,355 (10%)	3,221 (9%)	11,223 (33%)	59
Kington	3,709	1,364 (37%)	1,068 (29%)	412 (11%)	335 (9%)	702 (19%)	535 (14%)	681 (18%)	47
Ledbury	8,596	1,810 (21%)	1,241 (14%)	725 (8%)	465 (5%)	1,078 (13%)	893 (10%)	1,920 (22%)	54
Leominster	7,484	1,732 (23%)	1,102 (15%)	709 (9%)	438 (6%)	1,053 (14%)	919 (12%)	2,515 (34%)	54
Mortimer	3,864	1,561 (40%)	1,294 (33%)	416 (11%)	321 (8%)	818 (21%)	599 (16%)	591 (15%)	43
Ross-on-Wye	11,209	3,384 (30%)	2,640 (24%)	1,078 (10%)	745 (7%)	1,847 (16%)	1,375 (12%)	2,486 (22%)	50
Weobley	3,467	1,360 (39%)	1.120 (32%)	379 (11%)	277 (8%)	722 (21%)	538 (16%)	641 (18%)	45
Herefordshire	83,765	20,572 (25%)	14,326 (17%)	7,748 (9%)	5,100 (6%)	11,942 (14%)	9,797 (12%)	22,257 (27%)	53
2014 EHS Regional		(14%)	(3%)	(95)	(6%)	(14%)	(12%)	(29%)	60
2014 EHS England		(12%)	(3%)	(7%)	(5%)	(12%)	(11%)	(27%)	61

Housing Indicators at locality level- private stock

| Localities | Dwellings | HHSRS Category 1 hazards | | | Disrepair | Fuel poverty | | Low income households | Average SimpleSAP |
		All hazards	Excess cold	Fall hazards		10%	LIHC		
Bromyard	4,192	1,676 (40%)	1,379 (33%)	466 (11%)	333 (8%)	837 (20%)	586 (14%)	631 (15%)	45
Golden Valley	5,783	2,613 (45%)	2,258 (39%)	658 (11%)	480 (8%)	1,334 (23%)	908 (16%)	799 (14%)	42
Hereford	28,211	4,400 (16%)	2,019 (7%)	2,513 (9%)	1,346 (5%)	2,453 (9%)	2,466 (9%)	6,553 (23%)	58
Kington	3,304	1,286 (39%)	1,016 (31%)	381 (12%)	299 (9%)	648 (20%)	463 (14%)	522 (16%)	53
Ledbury	7,458	1,712 (23%)	1,200 (16%)	675 (9%)	419 (6%)	932 (12%)	748 (10%)	1,211 (16%)	46
Leominster	6,424	1,604 (25%)	1,055 (16%)	641 (10%)	381 (6%)	873 (14%)	729 (11%)	1,716 (27%)	53
Mortimer	3,620	1,517 (42%)	1,265 (35%)	401 (11%)	302 (8%)	785 (22%)	552 (15%)	507 (14%)	43
Ross-on-Wye	10,046	3,263 (32%)	2,582 (26%)	1,017 (10%)	702 (7%)	1,664 (17%)	1,209 (12%)	1,650 (16%)	49
Weobley	3,064	1,287 (42%)	1,077 (35%)	351 (11%)	256 (8%)	648 (21%)	449 (15%)	427 (14%)	44
Herefordshire	72,192	19,358 (27%)	13,851 (19%)	7,103 (10%)	4,518 (6%)	10,174 (14%)	8,110 (11%)	14,016 (19%)	52
2014 EHS Regional		(14%)	(3%)	(10%)	(6%)	(14%)	(11%)	(20%)	58
2014 EHS England		(13%)	(4%)	(7%)	(5%)	(11%)	(10%)	(18%)	60

Housing Indicators at PCNA level – all stock
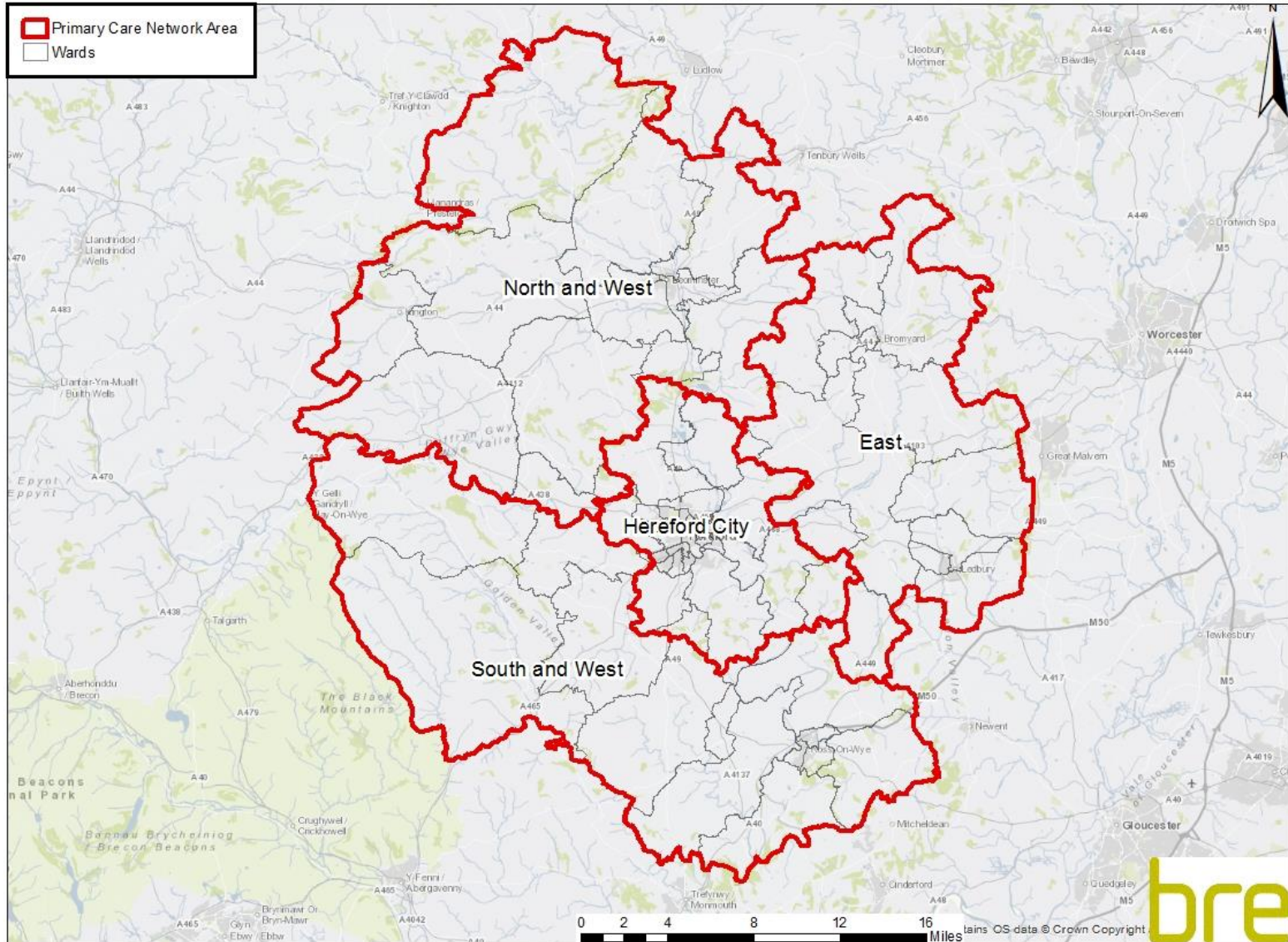
| Localities | Dwellings | HHSRS Category 1 hazards | | | Disrepair | Fuel poverty | | Low income households | Average SimpleSAP |
		All hazards	Excess cold	Fall hazards		10%	LIHC		
East	13,657	3,665 (27%)	2,735 (20%)	1,261 (9%)	852 (6%)	2,081 (15%)	1,624 (12%)	3,041 (22%)	51
Hereford City	33,917	4,807 (14%)	2,063 (6%)	2,796 (8%)	1,620 (5%)	3,306 (10%)	3,188 (9%)	11,187 (33%)	59
North and West	18,529	6,013 (32%)	4,580 (25%)	1,917 (10%)	1,370 (7%)	3,294 (18%)	2,589 (14%)	4,430 (24%)	49
South and West	17,662	6,087 (34%)	4,948 (28%)	1,774 (10%)	1,258 (7%)	3,261 (18%)	2,396 (14%)	3,599 (20%)	48
Herefordshire	83,765	20,572 (25%)	14,326 (17%)	7,748 (9%)	5,100 (6%)	11,942 (14%)	9,797 (12%)	22,257 (27%)	53
2014 EHS Regional		(14%)	(3%)	(9%)	(6%)	(14%)	(12%)	(29%)	60
2014 EHS England		(12%)	(3%)	(7%)	(5%)	(12%)	(11%)	(27%)	61

Housing Indicators at PCNA level – private stock

| Localities | Dwellings | HHSRS Category 1 hazards | | | Disrepair | Fuel poverty | | Low income households | Average SimpleSAP |
		All hazards	Excess cold	Fall hazards		10%	LIHC		
East	11,946	3,487 (29%)	2,659 (22%)	1,172 (10%)	774 (6%)	1,824 (15%)	1,369 (11%)	1,872 (16%)	50
Hereford City	27,995	4,302 (15%)	1,938 (7%)	2,484 (9%)	1,322 (5%)	2,404 (9%)	2,434 (9%)	6,518 (23%)	58
North and West	16,417	5,690 (35%)	4,409 (27%)	1,775 (11%)	1,237 (8%)	2,953 (18%)	2,191 (13%)	3,174 (19%)	48
South and West	15,834	5,879 (37%)	4,845 (31%)	1,672 (11%)	1,185 (7%)	2,993 (19%)	2,116 (13%)	2,452 (15%)	46
Herefordshire	72,192	19,358 (27%)	13,851 (19%)	7,103 (10%)	4,518 (6%)	10,174 (14%)	8,110 (11%)	14,016 (19%)	52
2014 EHS Regional		(14%)	(3%)	(10%)	(6%)	(14%)	(11%)	(20%)	58
2014 EHS England		(13%)	(4%)	(7%)	(5%)	(11%)	(10%)	(18%)	60

- There are <u>83,765</u> dwellings in Herefordshire, <u>68%</u> are owner occupied, <u>18%</u> private rented and <u>14%</u> social rented.

- <u>19,358</u> dwellings in the private sector have Category 1 HHSRS hazards (27% of properties).

- The performance of the housing stock in Herefordshire compared to the EHS England average is <u>generally worse</u> with Herefordshire performing <u>significantly worse for all hazards</u> and significantly worse for excess cold.

- The private rented sector is generally worse than the social sector, but similar to the owner occupied sector, with the exception of all hazards and excess cold which are higher in the owner occupied stock.

- <u>20.6%</u> of dwellings in the private rented sector are estimated to have an EPC below band E. Under new legislation these properties would not be eligible to be rented out to new or renewed tenancies.

Recommendations

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Programmes tackling disrepair, regeneration or enforcement interventions – focused on areas such as:

Programmes focusing on increasing household income through job creation, benefit entitlement checks could be considered in areas with high proportions of low income like:

Central ward
(12% disrepair & 22% containing Category 1 hazards)

Widemarsh ward
(49%)

Birch ward
(11% disrepair & 59% containing Category 1 hazards)

Newton Farm ward
(59%)

Castle ward
(11% disrepair & 59% containing Category 1 hazards)

Hinton & Hunderton ward
(52%)

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HSCD
delivered by bre

When: Tuesday 22nd October 2019
Time: 10am
Length: 30 minutes

Demonstration of the Commercial Ownership feature which has valuable tools for Local Authority officers including:
- Ability to inform tenure
- Identify corporately owned properties
- Identify potential rogue landlord activity
- Review of recent projects using this data
- Future development of this feature

Register here:
https://register.gotowebinar.com/register/5881801570411309068

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Thank you

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Housing Stock Condition Database

Welcome to the Housing Stock Condition Database (HSCD) developed and delivered by bre.
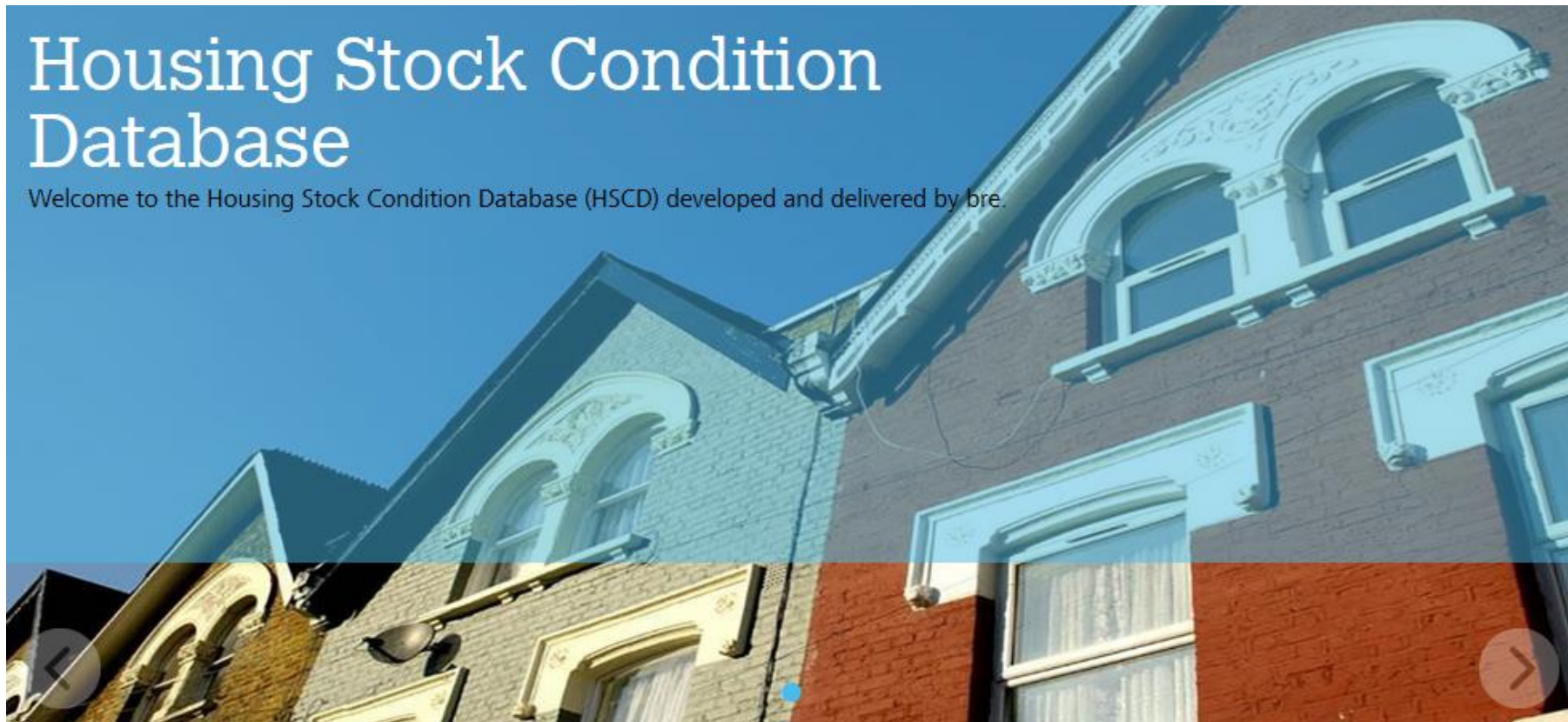
Dwelling level database

Home

Housing Standards variables for Local Authority

■ Private Sector - Owner Occupied ■ Private Sector - Private Rented ■ Social Stock ■ All Stock

Dwelling Numbers for Local Authority

SimpleSAP Score for Local Authority

■ SimpleSAP score

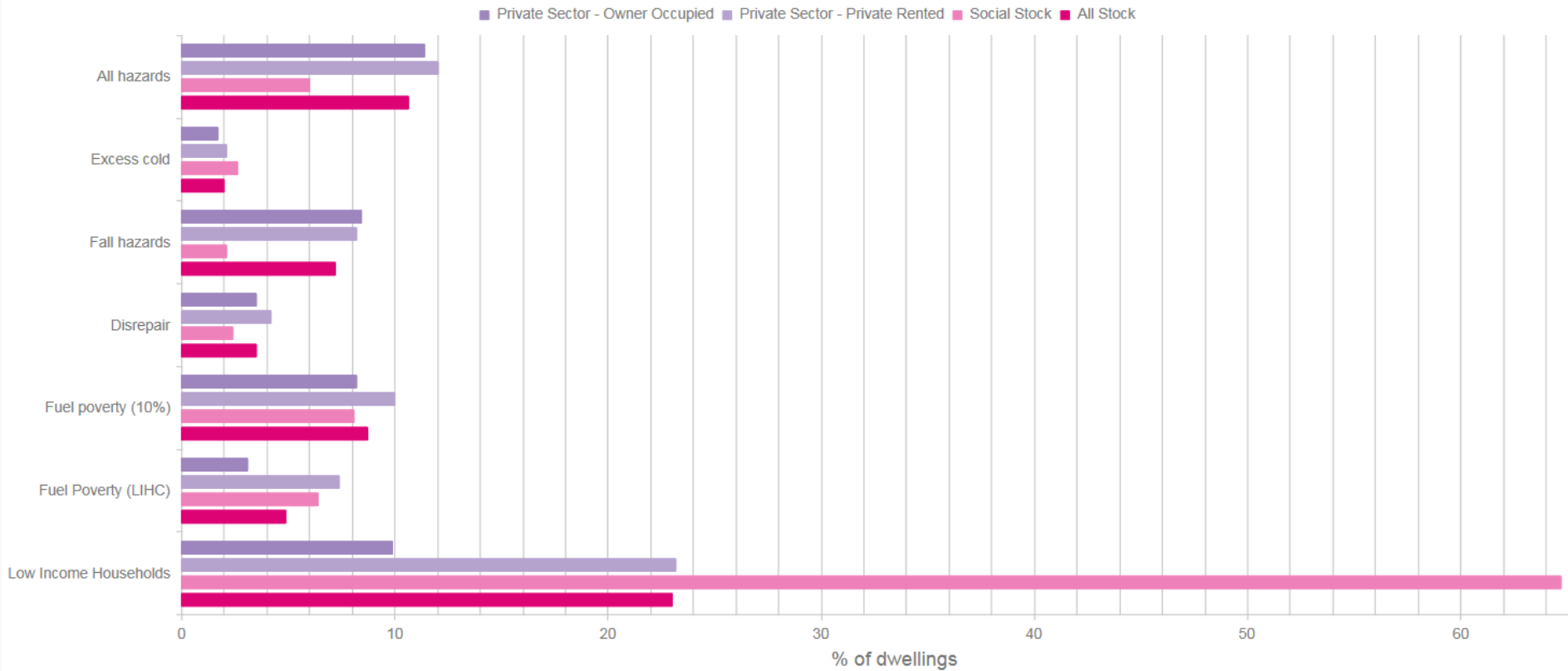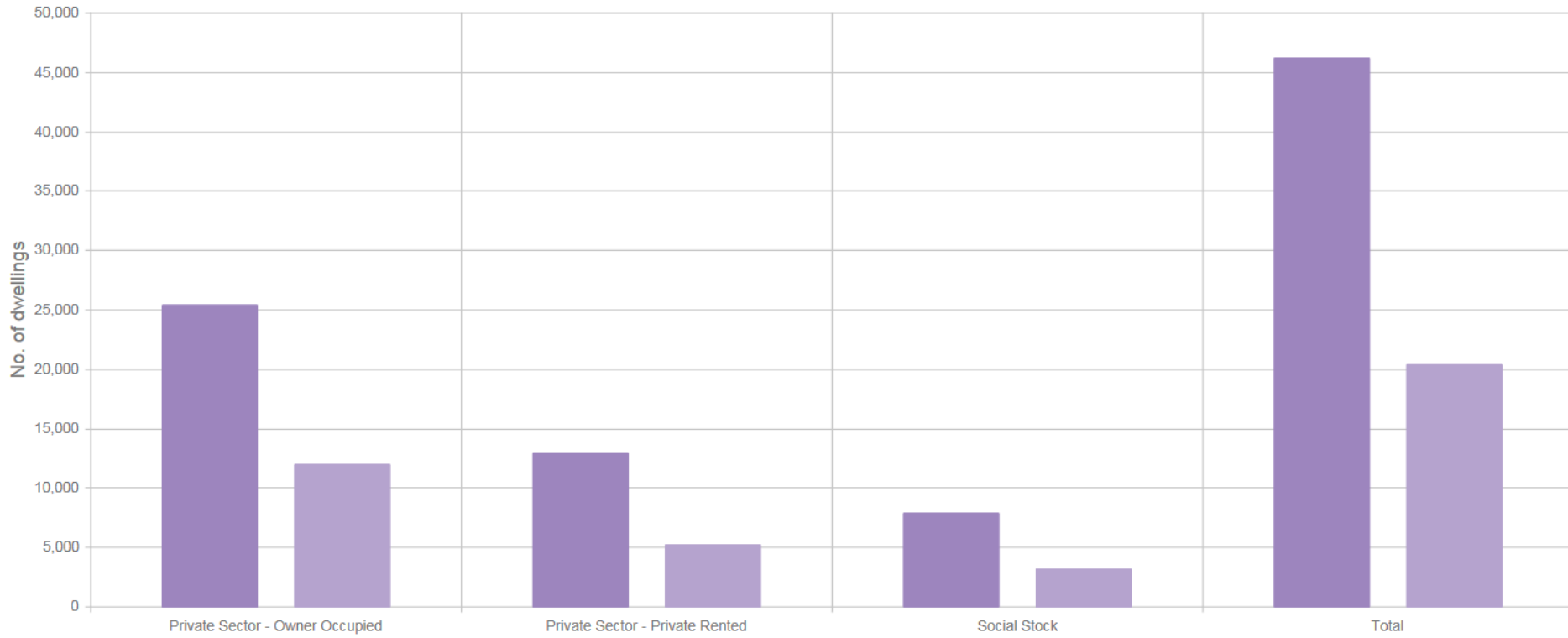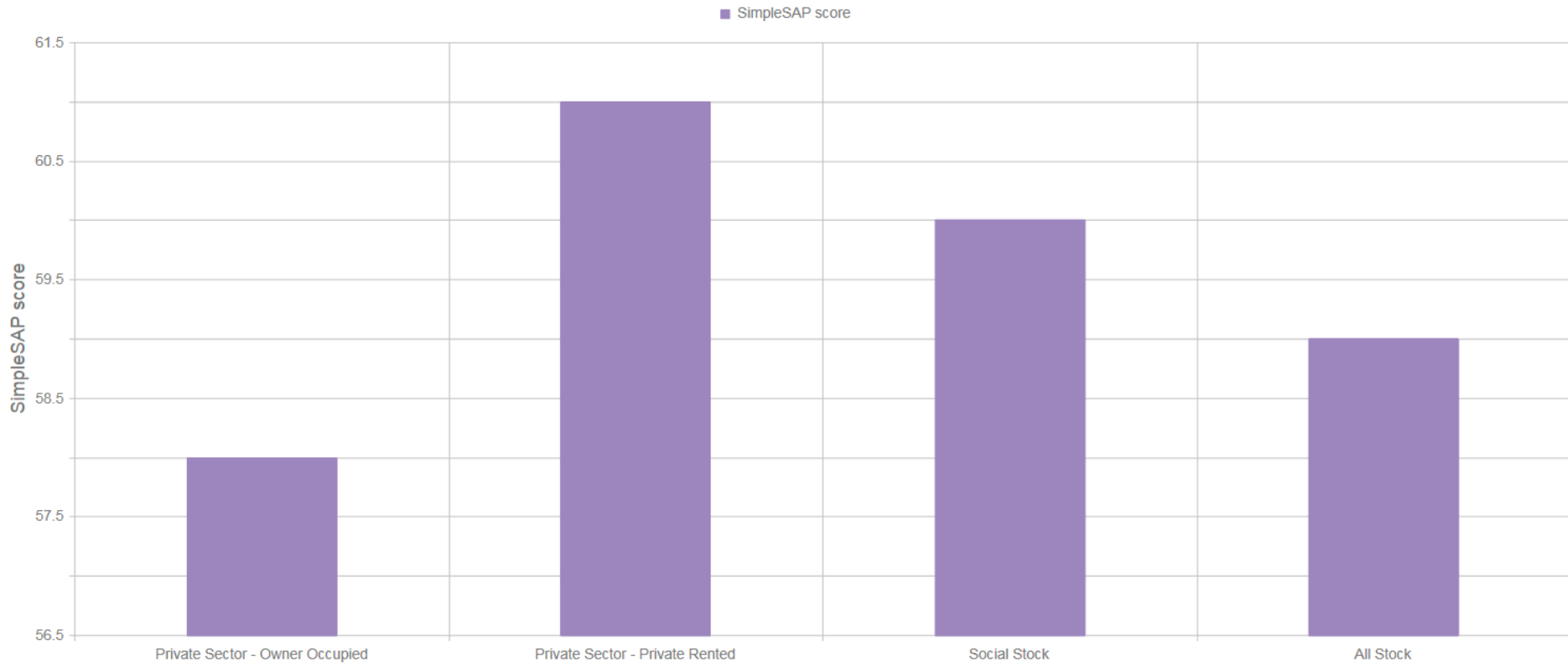Home   Dashboard   Filter Data   Summary Reports   EPC data   Improvement Scenarios   Commercial Ownership   Data Versions   Maps

You are here   Home   >   Filter Dwelling Data

Filter Dwelling Data

Data Source *   ● Organisation's Data   ○ Latest BRE Data

Local Authority *   **Local Authority**

Address

Address   [   ]

Postcode   [   ]

Ward   [   ]

Filter By Criteria

Explore your data by selecting one or more tenures and then one or more indicators in this section.

Select stock to view   ☐ Owner Occupied   ☑ Private Rented   ☐ Social

Property Search

Property Type   [Select..   ▼]

Property Age   [Select..   ▼]

Housing Standards variables

HHSRS Category 1 Hazards   ☑ HHSRS   ☐ HHSRS Excess Cold   ☐ HHSRS Falls

Disrepair   ☐

Fuel Poor Households   ☐ Fuel Poverty 10%   ☐ Fuel Poverty LIHC

Low Income Households   ☐

HHSRS Category 2 Hazards   ☐ HHSRS

Energy Efficiency Variables

Wall Type   ☐ Solid Walls   ☐ Uninsulated Cavity Walls   ☐ Insulated Cavity Walls

Loft insulation between   [Select.. ▼] and [Select.. ▼] mm

SimpleSAP Rating

Filter to keep dwellings with SimpleSAP less than   [0]

Houses of Multiple Occupancy

Houses in Multiple Occupation   ☑

Licensable Houses in Multiple Occupation   ☐

☐ Tick if you want to save this query. Save with the name [ ]

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Filter Results On Organisation Dwelling Data

Results 1 to 18 of 18

Download data

UPRN	Improvement scenarios	Address	Postcode	COA Code	LSOA Code	LSOA Name	MSOA Code	MSOA Name	Ward Code	Ward Name	LA Code	LA Name	GOR	Tenure	Title Number	Dwelling type	Dwelling age	Category 1 Hazard Indicator
111111111111231	view	88 Test Street1	PD79	COATest11	LSOATest4	LSOAName4	MSOATest6	MSOAName6	WardTest1	WardName1	TestCase	Fake LA	GOR	Private Rented		Mid Terrace	1900 to 1929	✅
111111111111400	view	43 Test Street10	PD927	COATest124	LSOATest27	LSOAName27	MSOATest7	MSOAName7	WardTest6	WardName6	TestCase	Fake LA	GOR	Private Rented		Semi Detached	1950 to 1966	✅
111111111111515	view	26 Test Street5	PD466	COATest135	LSOATest31	LSOAName31	MSOATest12	MSOAName12	WardTest7	WardName7	TestCase	Fake LA	GOR	Private Rented		Mid Terrace	1950 to 1966	✅
111111111111620	view	80 Test Street10	PD453	COATest144	LSOATest28	LSOAName28	MSOATest12	MSOAName12	WardTest7	WardName7	TestCase	Fake LA	GOR	Private Rented		Semi Detached	1930 to 1949	✅
111111111111649	view	55 Test Street9	PD448	COATest147	LSOATest30	LSOAName30	MSOATest12	MSOAName12	WardTest7	WardName7	TestCase	Fake LA	GOR	Private Rented		End Of Terrace	pre 1900	✅
111111111111783	view	42 Test Street3	PD1685	COATest16	LSOATest4	LSOAName4	MSOATest6	MSOAName6	WardTest1	WardName1	TestCase	Fake LA	GOR	Private Rented		Mid Terrace	1900 to 1929	✅
111111111111933	view	49 Test Street3	PD716	COATest173	LSOATest36	LSOAName36	MSOATest2	MSOAName2	WardTest9	WardName9	TestCase	Fake LA	GOR	Private Rented		Purpose Built	1930 to 1949	✅
111111111112332	view	96 Test Street2	PD154	COATest209	LSOATest47	LSOAName47	MSOATest10	MSOAName10	WardTest11	WardName11	TestCase	Fake LA	GOR	Private Rented		Mid Terrace	1950 to 1966	✅
111111111112503	view	61 Test Street3	PD1228	COATest224	LSOATest49	LSOAName49	MSOATest10	MSOAName10	WardTest11	WardName11	TestCase	Fake LA	GOR	Private Rented		End Of Terrace	pre 1900	✅

Disrepair Indicator	Fuel Poverty 10% Indicator	Fuel Poverty LIHC Indicator	Low Income Indicator	SimpleSAP	SimpleSAP Band	SimpleSAP Band F&G Indicator	SimpleCO2 (tonnes per annum)	Energy demand (kWh per annum)	Heat demand (kWh per annum)	Electricity demand (kWh per annum)	Energy cost (£ per annum)	Heat cost (£ per annum)	Electricity cost (£ per annum)	Loft insulation	Solid Wall	Insulated Cavity Wall	Uninsulated Cavity	HMO	Licensable HMO	LA Data flag	EPC Data flag
			✓	45	E		3.50695	13,402	6,601	2,020	783	396	266	150 mm	✓			✓			
				58	D		3.68946	16,209	6,406	621	744	348	82	100 mm		✓		✓			
				62	D		3.25671	14,274	7,334	572	672	323	76	250 mm or +			✓	✓			
				59	D		3.53127	15,568	8,407	556	716	370	73	250 mm or +			✓	✓			
				42	E		9.55586	42,904	30,896	952	1,706	1,361	126	50 mm	✓			✓			
✓			✓	46	E		3.39069	15,054	4,166	458	688	227	60	150 mm	✓			✓			
✓				29	F	✓	4.00627	7,719	2,843	7,719	920	198	896	100 mm			✓	✓			
				57	D		4.4552	19,674	13,814	678	871	572	89	100 mm	✓			✓			
				59	D		2.89167	12,700	8,107	490	610	357	65	250 mm or +	✓			✓			

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Home   Dashboard   Filter Data   Summary Reports   **EPC data**   Improvement Scenarios   Commercial Ownership   Data Versions   Maps

You are here   Home   >   Filter EPC data

EPC data

Select Energy rating to filter on:

Local Authority   **Local Authority**

Select All   ☐

A   ☐

B   ☐

C   ☐

D   ☐

E   ☐

F   ☐

G   ☐

Reset ✖   Search ✔

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You are here   Home   >   Filter Improvement Scenarios

Improvement Scenarios data

Enter UPRN number of Property or select Improvement Scenario:

Local Authority	**Local Authority**
UPRN:	
Improvement Scenario:	--select-- ▼

--select--
0. Baseline
1. LCM
2. LCM + SW
3. LCM + Heating
4. LCM + Heating + DG
5. LCM + heating + DG + SW
6. LCM + Heating + DG + SW + SHW
7. PV
8. PV + SW

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Home   Dashboard   Filter Data   Summary Reports   EPC data   Improvement Scenarios   **Commercial Ownership**   Data Versions   Maps   ?

You are here   Home   >   Commercial Ownership

Commercial Ownership data

Organisation Summary
Click the summary button for a ranked list of companies that own properties in your organisation.

Search options
Enter any of the fields below to search

Company

Proprietor Address

Property Address

Postcode

Title Number

○ National Data ◉ Organisation's Data

Summary

Home   Dashboard   Filter Data   Summary Reports   EPC data   Improvement Scenarios   Commercial Ownership   Data Versions   **Maps**   ? Help   ⚿ Log Out   Welcome Usernam

You are here   Home   >   Maps

Map filters

Local Authority

Local Authority

Geographical Level

COA ▾

Transparency

Tenure

Private rented ▾

Data layer

HHSRS Cat.1 Hazards ▾

Apply Filters ✓

Map

Map | Satellite

▾DEMONSTRATION PURPOSES ONLY

The only real (as opposed to artificial) data in this demonstration version of HSCD are the administrative area boundary polygons (wards, super output and census output areas) in the HSCD maps. Â The boundary polygons in the HSCD maps are provided under Open Government Licence by ONS and the Google Map data provided under licence by Google. Â The data populating the variables in this demonstration version of HSCD is artificially compiled and does not relate to any real dwelling or household and is for demonstration purposes only.

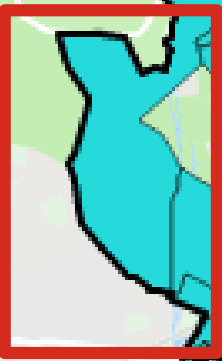Home Dashboard Filter Data Summary Reports EPC data Improvement Scenarios Commercial Ownership Data Versions Maps

? Help ☞ Log Out Welcome Usernam

You are here Home > Maps

Map filters

Local Authority
Local Authority

Geographical Level
COA ▾

Transparency

Tenure
Private rented ▾

Data layer
HHSRS Excess Cold ▾

Apply Filters ✓

Map

| Map | Satellite |

▾**DEMONSTRATION PURPOSES ONLY**

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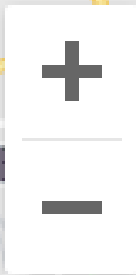
COA code : COATest156
Ward name : WardName8
Value: value

Satellite

CASSIOBURY

Junior School

Cassiobury
Park Nature
Reserve

West Herts Golf
Club Pro Shop

Cassiobury
Park
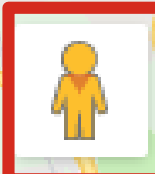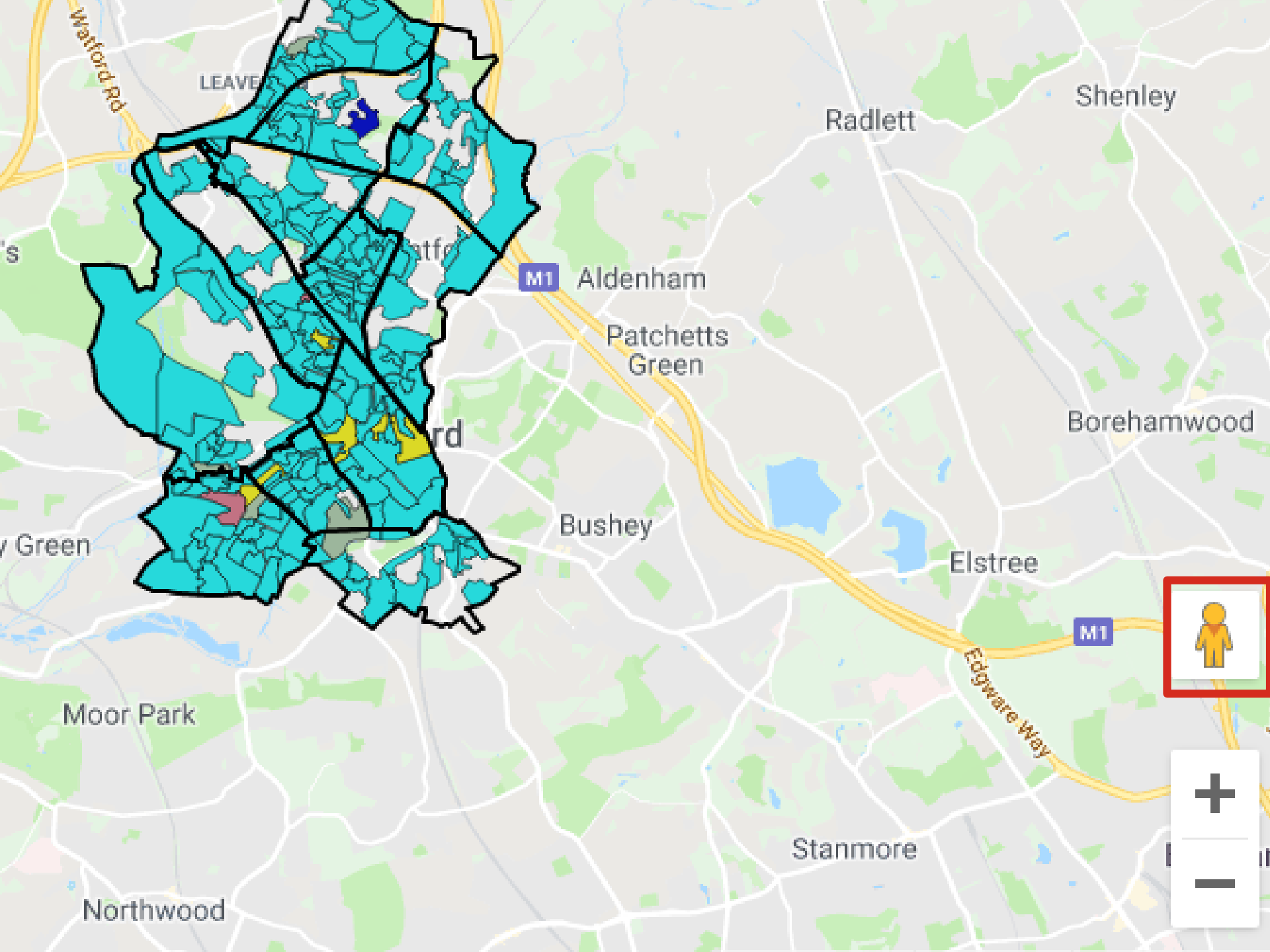
Park Ave
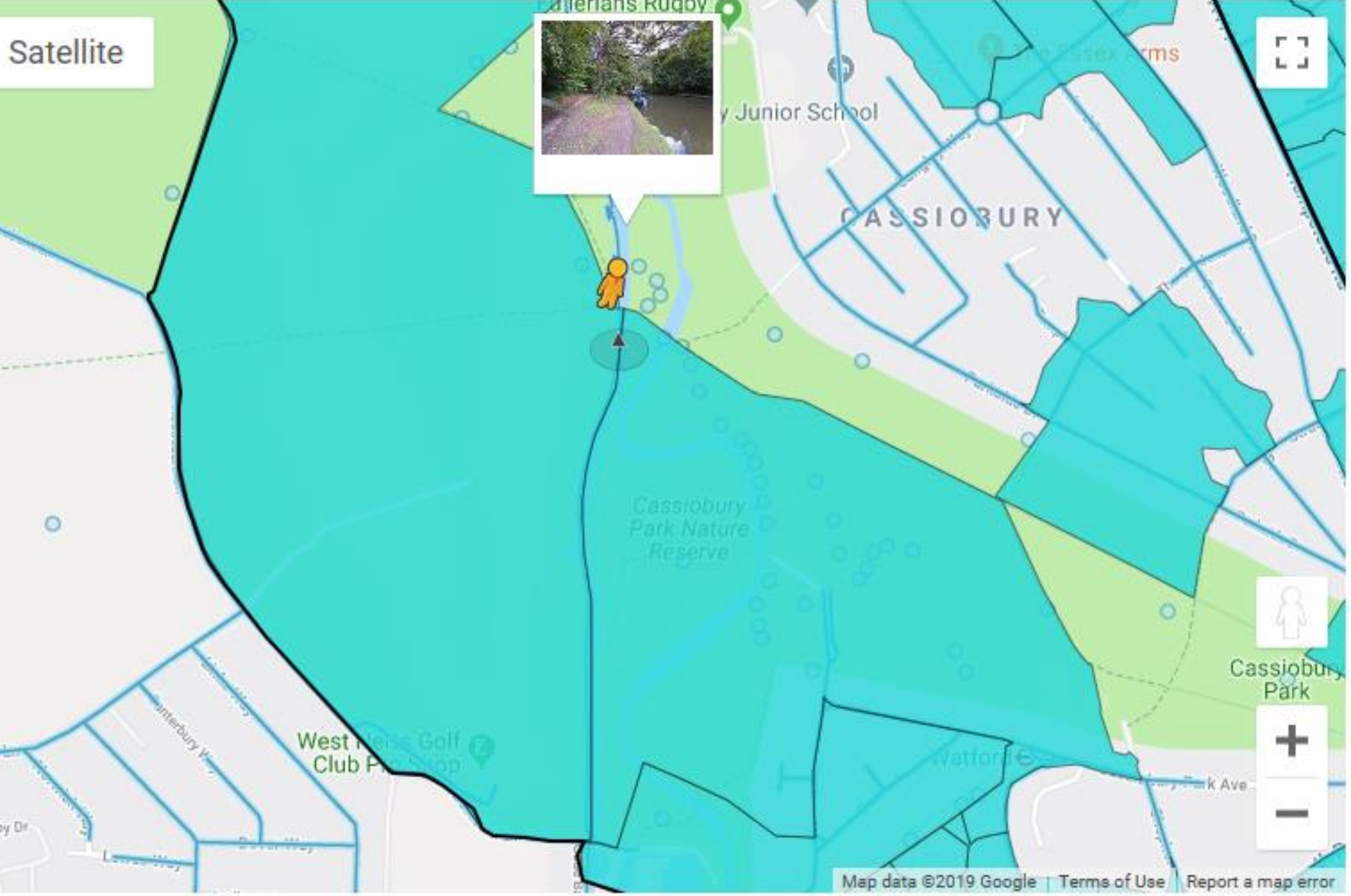
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