

West Midlands Research and Insights

Presentation to the **West Midlands Funders Network**

Si Chun Lam

Head of Research, Intelligence, and Inclusive Growth

West Midlands Combined Authority

22 November 2023

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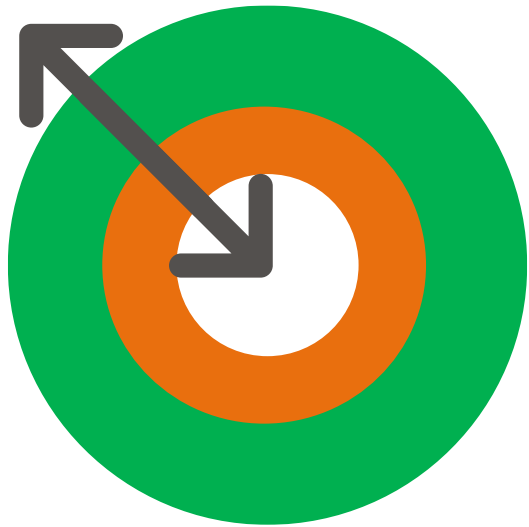
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West Midlands
Combined Authority

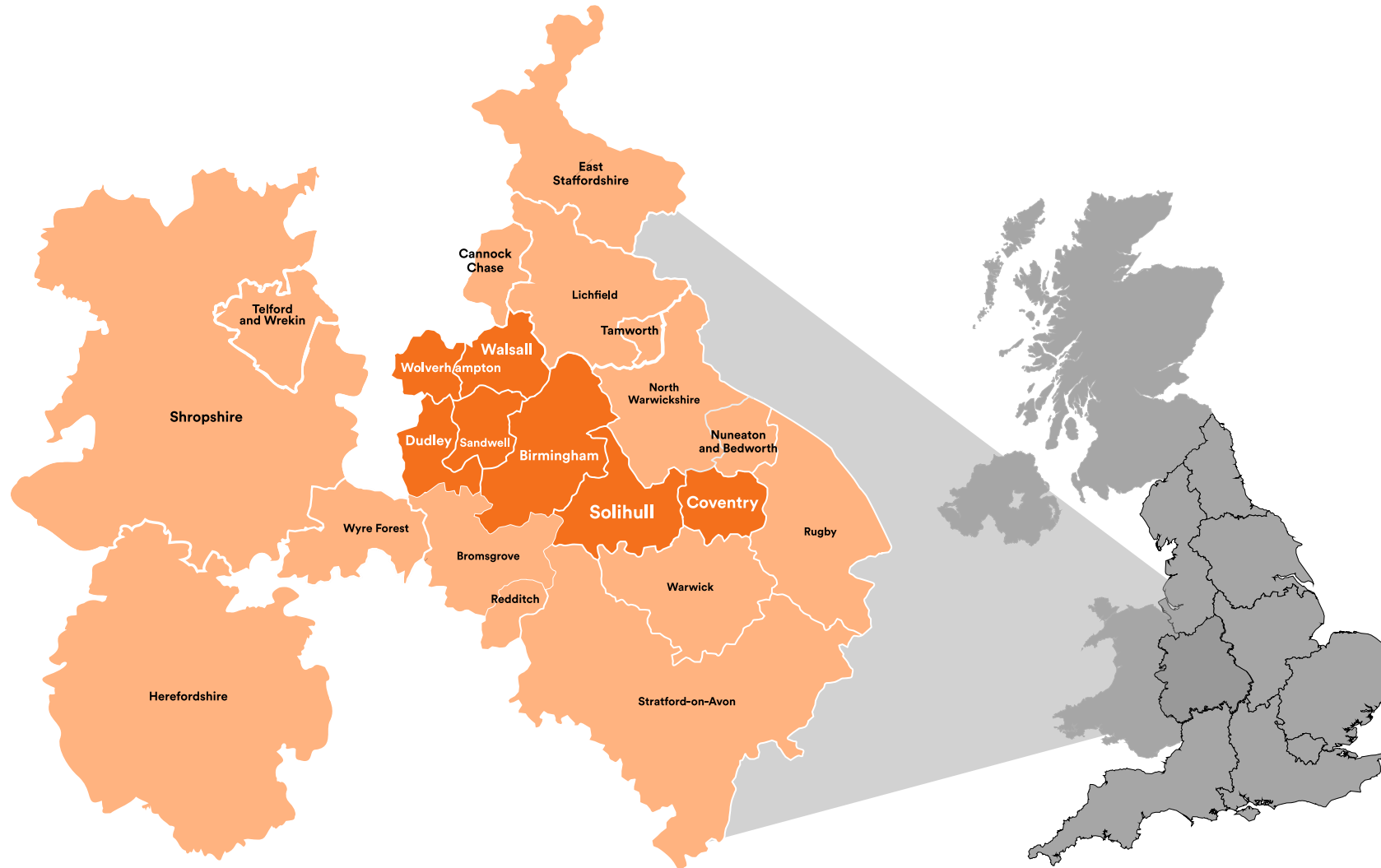




Research, Intelligence, & Inclusive Growth

Strategy, Economy and Net Zero

Vision for research and intelligence ecosystem

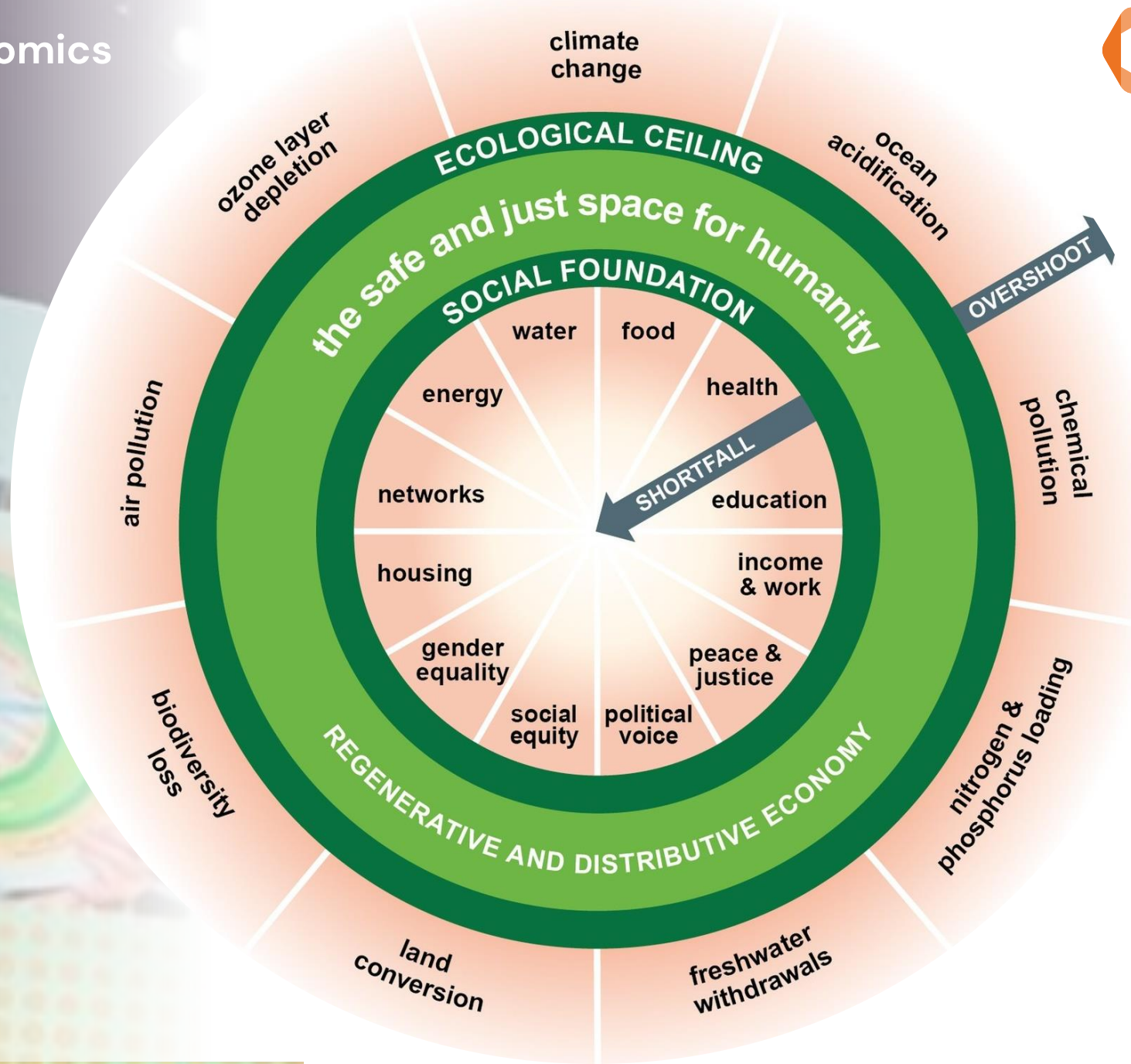


Right evidence at the right time for a
fairer, greener and **better connected** West Midlands.

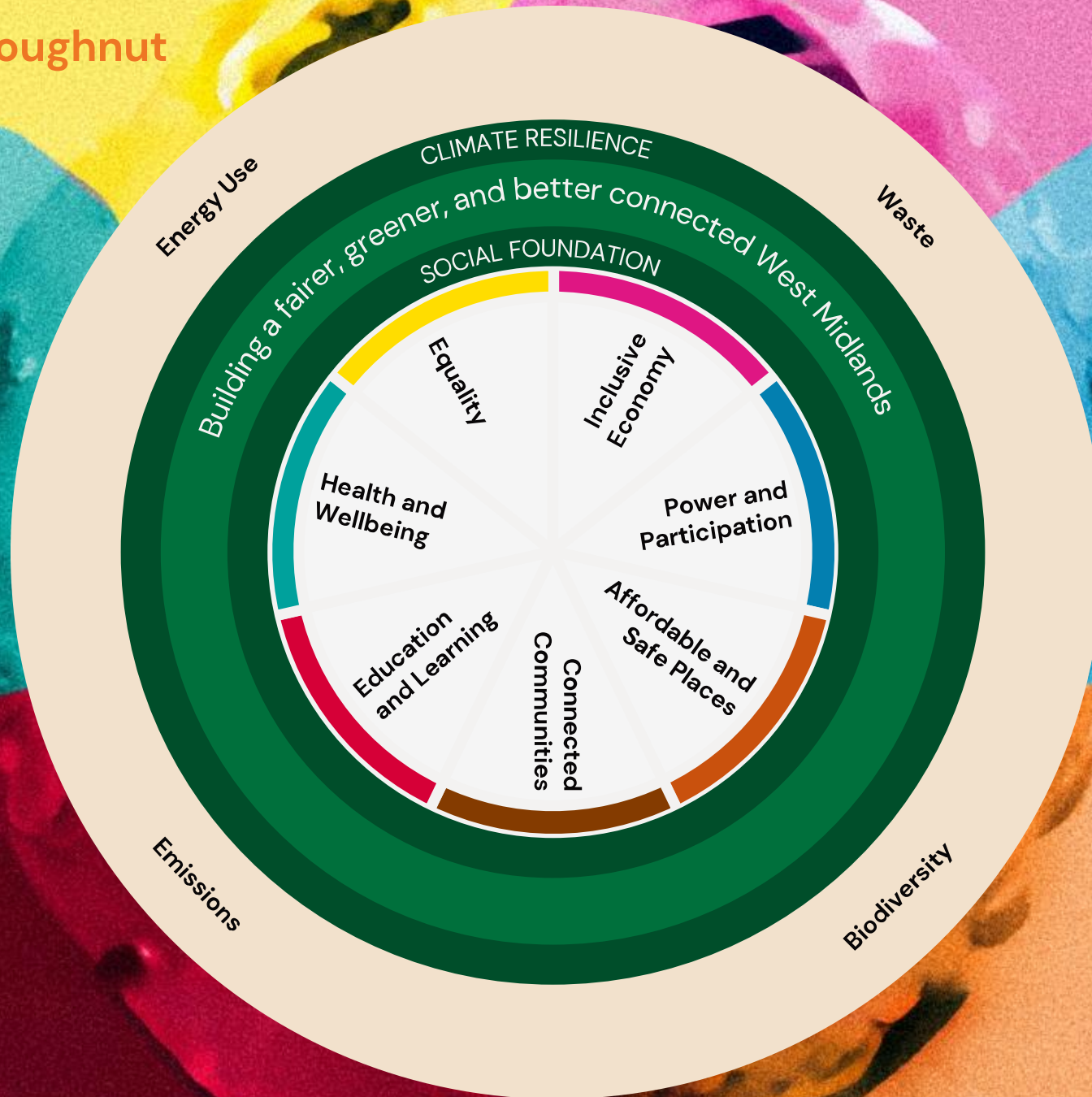
United Nations



Doughnut economics



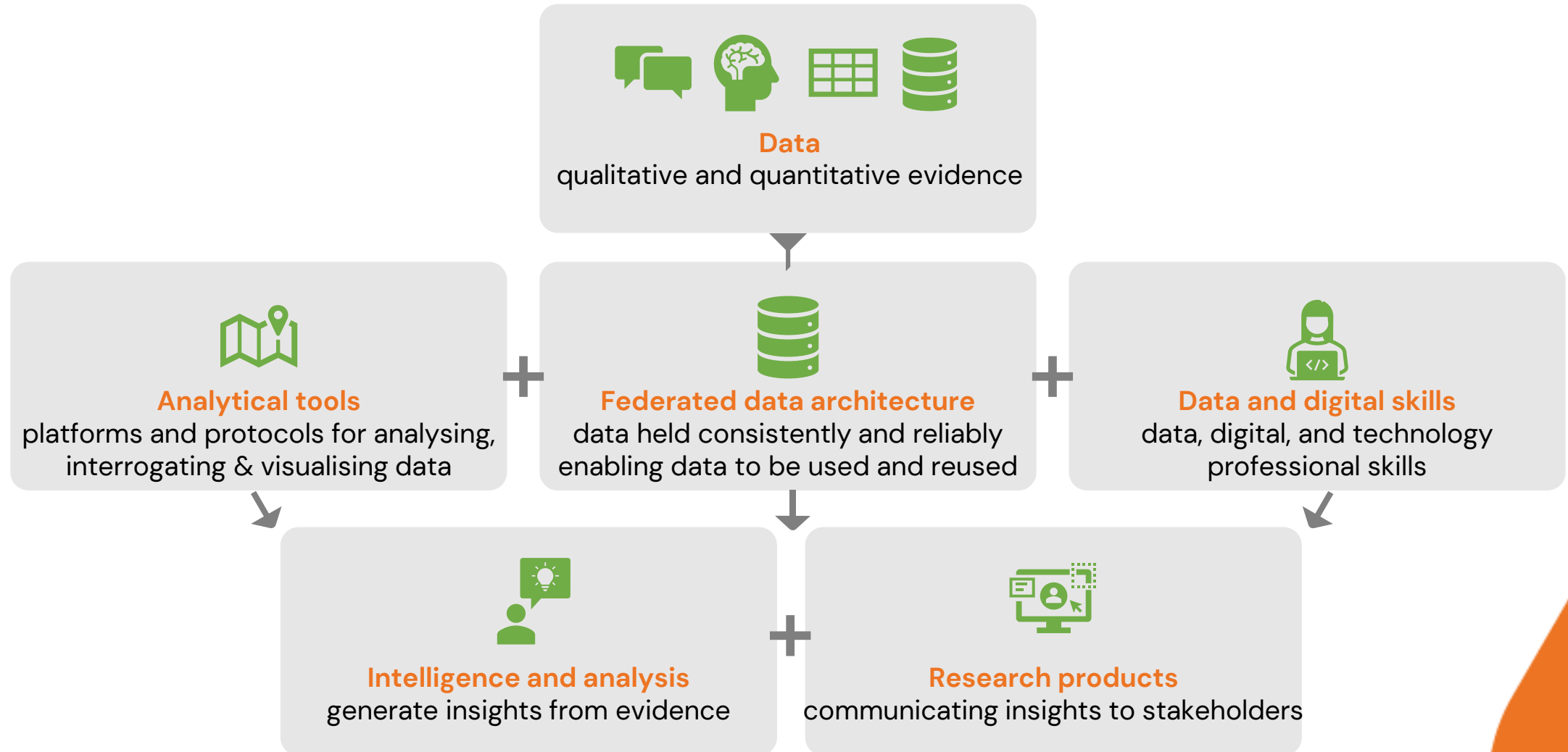
Inclusive Growth doughnut



“A more deliberate and socially purposeful model of growth, measured not only by how fast or aggressive it is; but also, by how well it is created and shared across the whole population and place, and by the social and environmental outcomes it realises for our people.”

West Midlands Combined Authority definition of Inclusive Growth

Research, intelligence, analysis and data components



Research, intelligence, analysis and data ecosystem



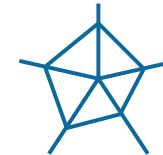
**Research
co-ordination**



**Data and
analytics
development**



**Research
programme**

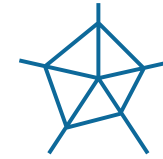


**Regional
monitoring**



**Influencing and
engaging**

Data and analytics development



Research
co-ordination

Data and
analytics
development

Research
programme

Regional
monitoring

Influencing and
engaging

Delivering the data mission in the **West Midlands Digital Roadmap** by enabling better evidence-informed decisions through a **data-centric culture**; and a **hub-and-spoke model** that makes the most of specialist **domain expertise** and a **federated data architecture**.

Data
specification

Data
architecture

Data partnership

Data collection
and curation

Data literacy

Conway data
platform

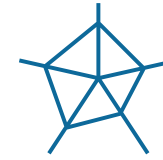
Data, application
and reporting layers

Data parity for the
region

Published,
commercial and
unpublished data

Capacity and
capability of experts
and users

Research and intelligence products



Research
co-ordination

Data and
analytics
development

Research
programme

Regional
monitoring

Influencing and
engaging

We are developing a series of **West Midlands Insights on Society and Economy (WISE)** resources:

**WISE e-bulletin &
newsletter**

Monthly news & insights
Economic analysis
In-depth deep dive
Metric dashboard

State of the Region

High-level, annual review of
the condition of the West
Midlands
*Next version due February
2024*

**Research website *in
development***

Blog
Dashboards
15-20 research pieces per
year
Links to partners and
resources

WISE dashboard

Published statistics at local
authority or neighbourhood
geography powered by our
"Conway" data platform

Research and intelligence communities



**Research
co-ordination**

**Data and
analytics
development**

**Research
programme**

**Regional
monitoring**

**Influencing and
engaging**

**Research and
Intelligence
Community of
Practice**

Researchers, analysts and
data specialists across
WMCA

**West Midlands
Insights on Society
and Economy Group**

Insight and intelligence leads
across our constituent local
authorities

**Data, Research,
Evaluation, Analysis
and Monitoring**

Researchers across
universities, public and
private sectors in the West
Midlands

**Participation in
wider networks and
groups**

Midlands Engine Research,
Intelligence and Policy
Partnership

Birmingham and Solihull
Research and Community
Engagement Hub (BIRCH)



0 response submitted

Population and demographics: between 2011 and 2021, the population of the West Midlands (WMCA area) grew by...

Scan the QR or use link to join



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Treemap

Bar



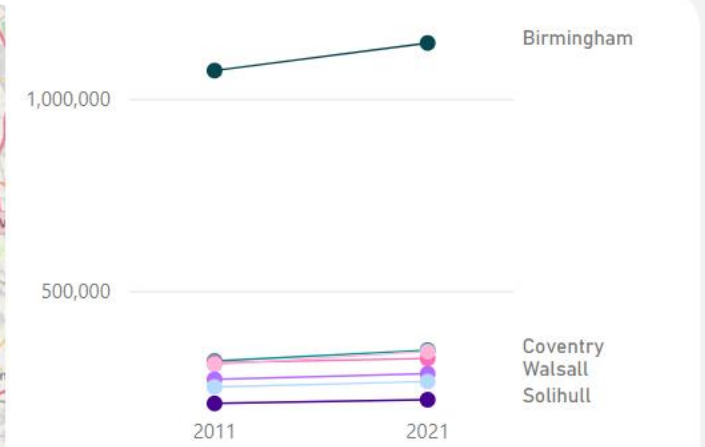
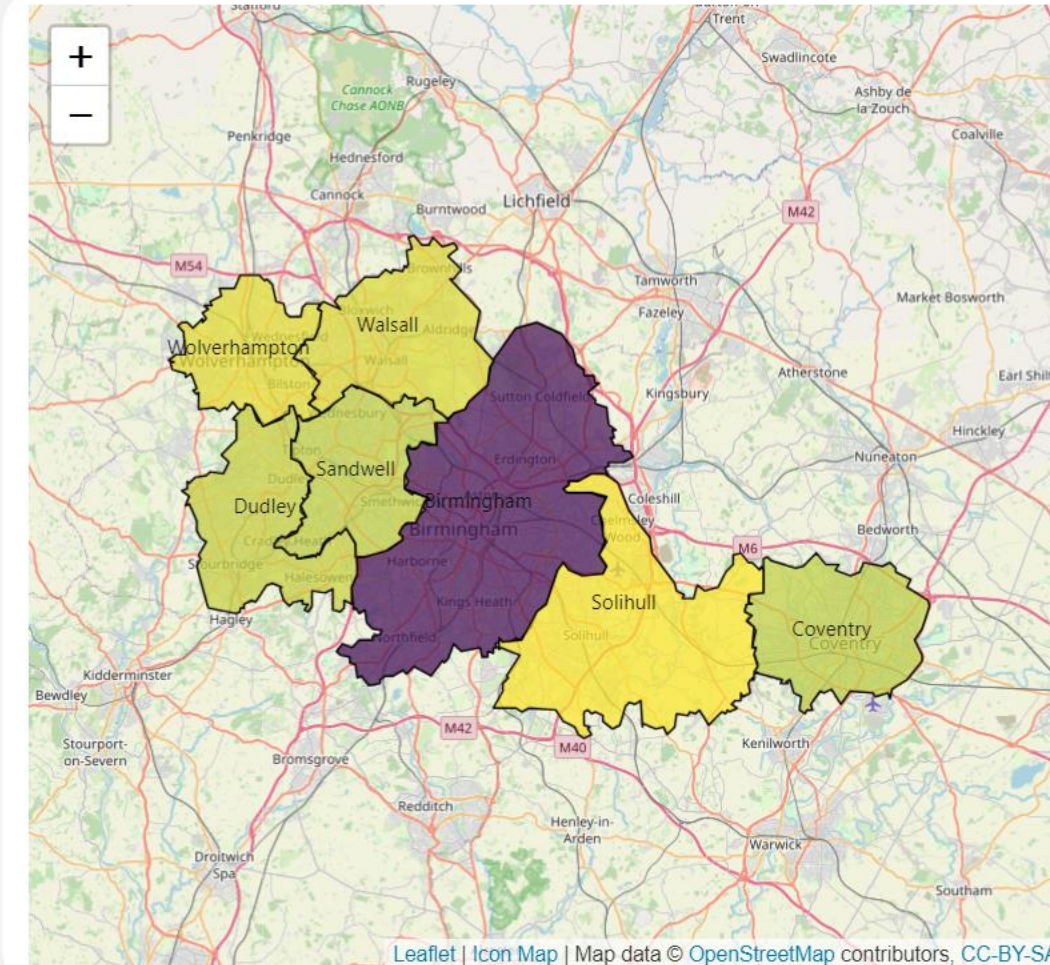
1 of 10



Show correct answer

Population and demographics: population change

% residents who are Asian/Asian British	No-one with English as main language (%)
% residents who are Black/African/Carib...	Number of all households
% residents who are Mixed/multiple eth...	Religion: Any other religion per cent
% residents who are Other ethnic group	Religion: Buddhist per cent
% residents who are White	Religion: Christian per cent
All adults have English as main lan...	Religion: Hindu per cent
All usual residents	Religion: Jewish per cent
At least one adult with English as mai...	Religion: Muslim per cent
At least one between 3 and 15 with Engli...	Religion: No religion per cent



Geography	2011	2021
Birmingham	1,073,045.00	1,144,919.00
Coventry	316,960.00	345,324.00
Dudley	312,925.00	323,488.00
Sandwell	308,063.00	341,832.00
Solihull	206,674.00	216,240.00
Walsall	269,323.00	284,124.00
Wolverhampton	249,470.00	263,727.00
Total	2,736,460.00	2,919,654.00



0 response submitted

Population and demographics: The percentage of people in the West Midlands that are of a White ethnicity in 2021 is...

Scan the QR or use link to join



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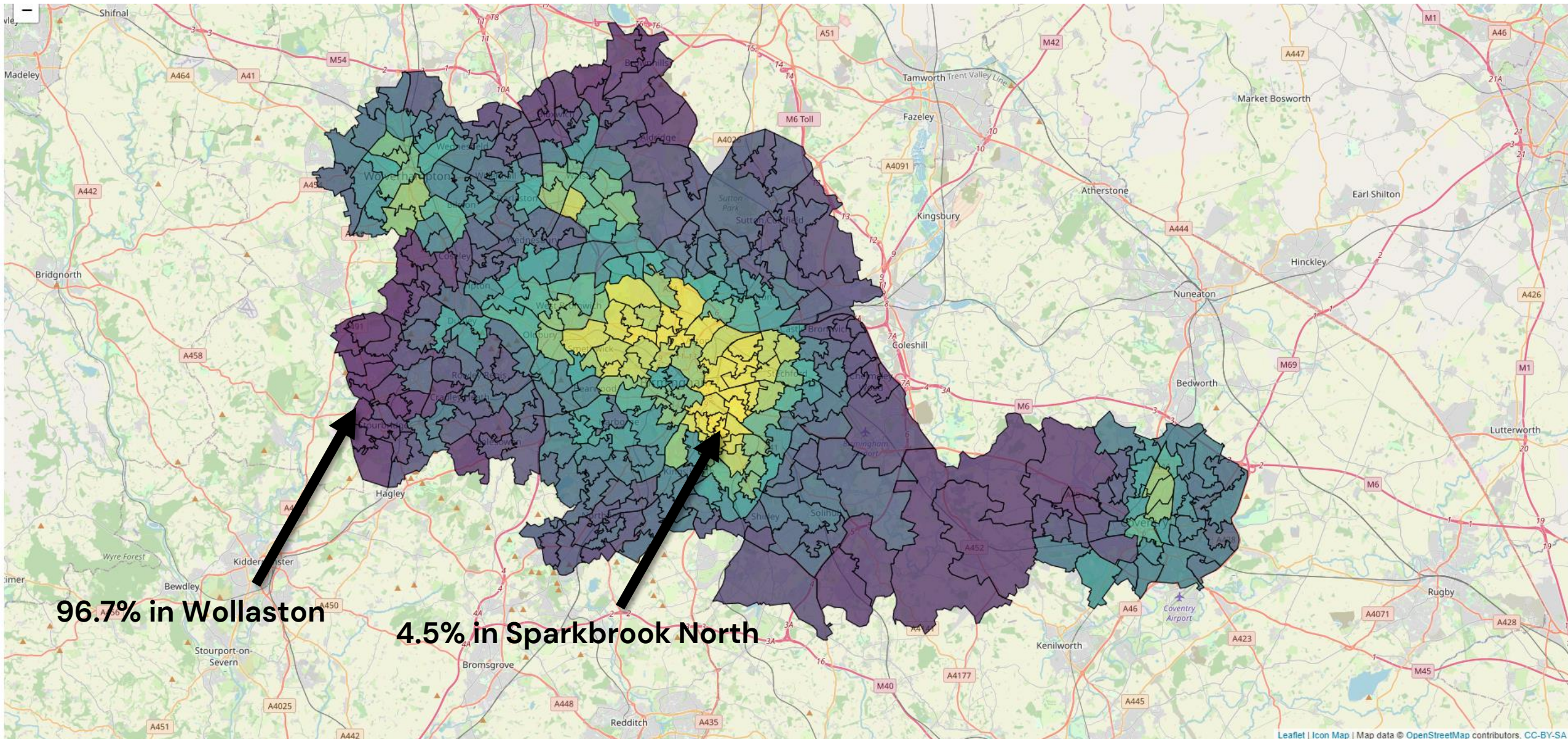


Treemap Bar

< 2 of 10 >

Show correct answer

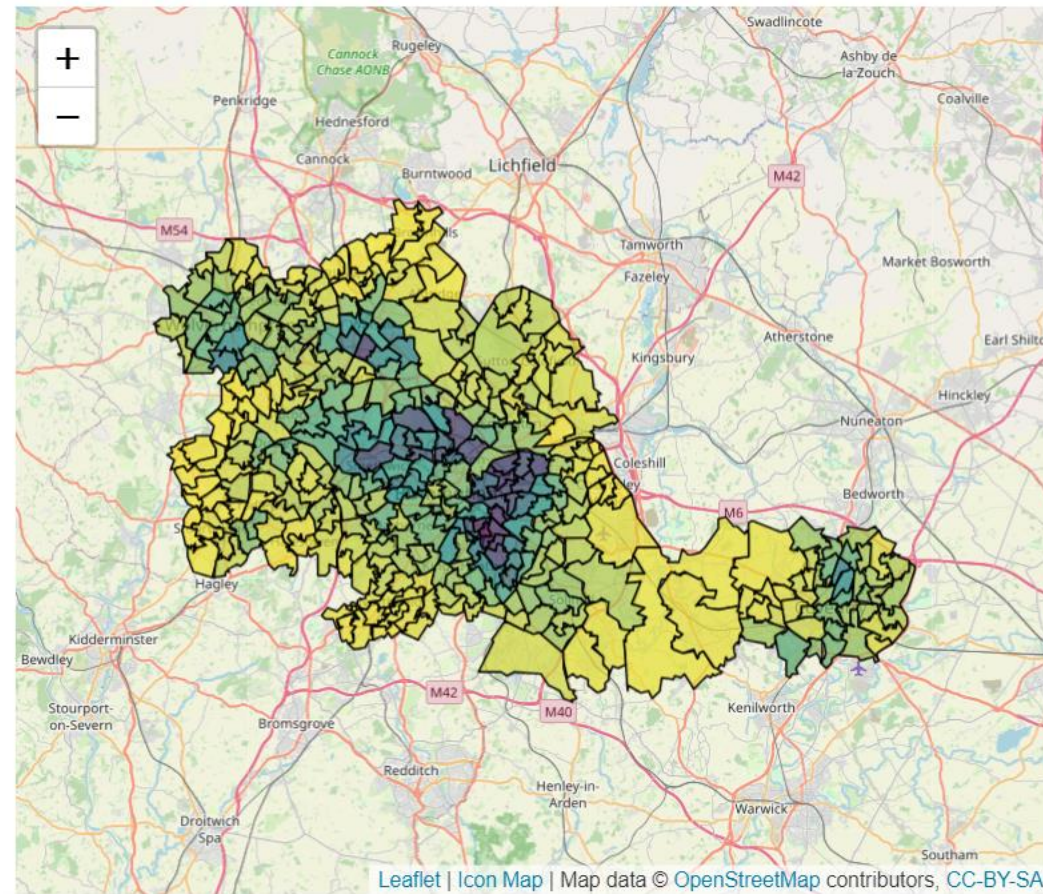
Population and demographics: White ethnicity



Population and demographics: Asian

% residents who are Asian/Asian British	No-one with English as main language (%)
% residents who are Black/African/Carib...	Number of all households
% residents who are Mixed/multiple eth...	Religion: Any other religion per cent
% residents who are Other ethnic group	Religion: Buddhist per cent
% residents who are White	Religion: Christian per cent
All adults have English as main lan...	Religion: Hindu per cent
All usual residents	Religion: Jewish per cent
At least one adult with English as mai...	Religion: Muslim per cent
At least one between 3 and 15 with Engli...	Religion: No religion per cent

Select all	Birmingham	Coventry	Dudley	Sandwell	Solihull	Walsall
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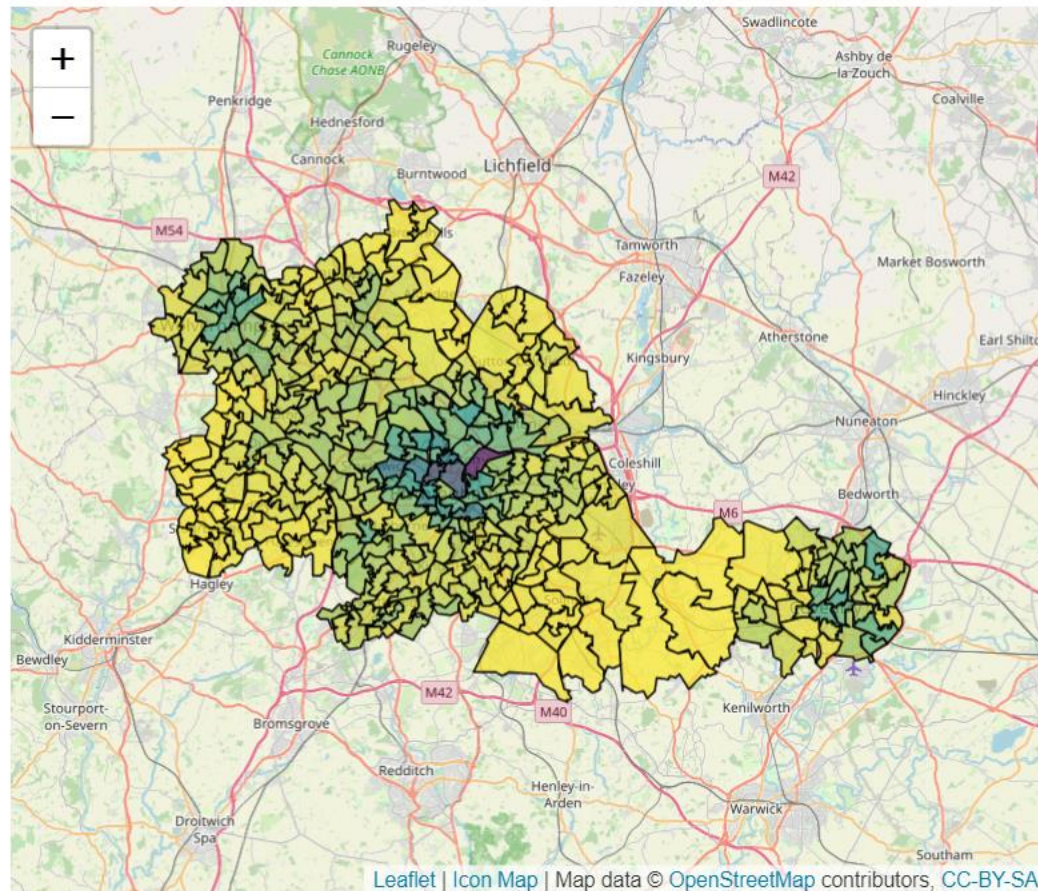


Geography	2011	2021
Birmingham 001	6.50	13.20
Birmingham 002	4.80	9.10
Birmingham 003	6.40	12.70
Birmingham 004	8.20	14.20
Birmingham 005	5.40	7.70
Birmingham 006	6.10	7.50
Birmingham 007	8.20	14.00
Birmingham 008	3.70	7.30
Birmingham 009	5.80	8.10
Birmingham 010	11.40	14.90
Birmingham 011	4.40	10.30
Birmingham 012	5.30	8.60
Birmingham 013	8.10	12.30
Birmingham 014	6.70	12.20
Birmingham 015	8.40	15.10
Birmingham 016	16.60	27.90
Birmingham 017	8.10	12.40
Birmingham 018	6.20	7.80
Birmingham 019	10.20	17.00
Birmingham 020	8.70	14.10
Birmingham 021	4.10	7.50
Birmingham 022	11.60	20.30
Birmingham 023	8.30	12.70
Birmingham 024	33.20	43.10
Birmingham 025	7.20	12.10
Birmingham 026	14.60	23.30

Population and demographics: Black

% residents who are Asian/Asian British	No-one with English as main language (%)
% residents who are Black/African/Carib...	Number of all households
% residents who are Mixed/multiple eth...	Religion: Any other religion per cent
% residents who are Other ethnic group	Religion: Buddhist per cent
% residents who are White	Religion: Christian per cent
All adults have English as main lan...	Religion: Hindu per cent
All usual residents	Religion: Jewish per cent
At least one adult with English as mai...	Religion: Muslim per cent
At least one between 3 and 15 with Engli...	Religion: No religion per cent

Select all	Birmingham	Coventry	Dudley	Sandwell	Solihull	Walsall
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Geography	2011	2021
Birmingham 001	1.90	2.10
Birmingham 002	1.30	1.90
Birmingham 003	0.80	1.80
Birmingham 004	1.10	1.90
Birmingham 005	3.00	4.60
Birmingham 006	2.20	2.80
Birmingham 007	3.80	4.50
Birmingham 008	5.30	7.10
Birmingham 009	1.40	2.20
Birmingham 010	3.50	4.50
Birmingham 011	7.30	11.20
Birmingham 012	1.40	2.20
Birmingham 013	6.80	8.40
Birmingham 014	8.70	14.80
Birmingham 015	1.80	2.40
Birmingham 016	11.50	13.10
Birmingham 017	7.00	8.70
Birmingham 018	4.30	5.30
Birmingham 019	9.10	10.40
Birmingham 020	10.50	12.40
Birmingham 021	2.00	2.90
Birmingham 022	14.80	22.60
Birmingham 023	10.30	18.70
Birmingham 024	15.40	16.50
Birmingham 025	6.60	10.20
Birmingham 026	14.30	15.20

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0 response submitted

Population and demographics: most people in the West Midlands is of the following faith...

Scan the QR or use link to join



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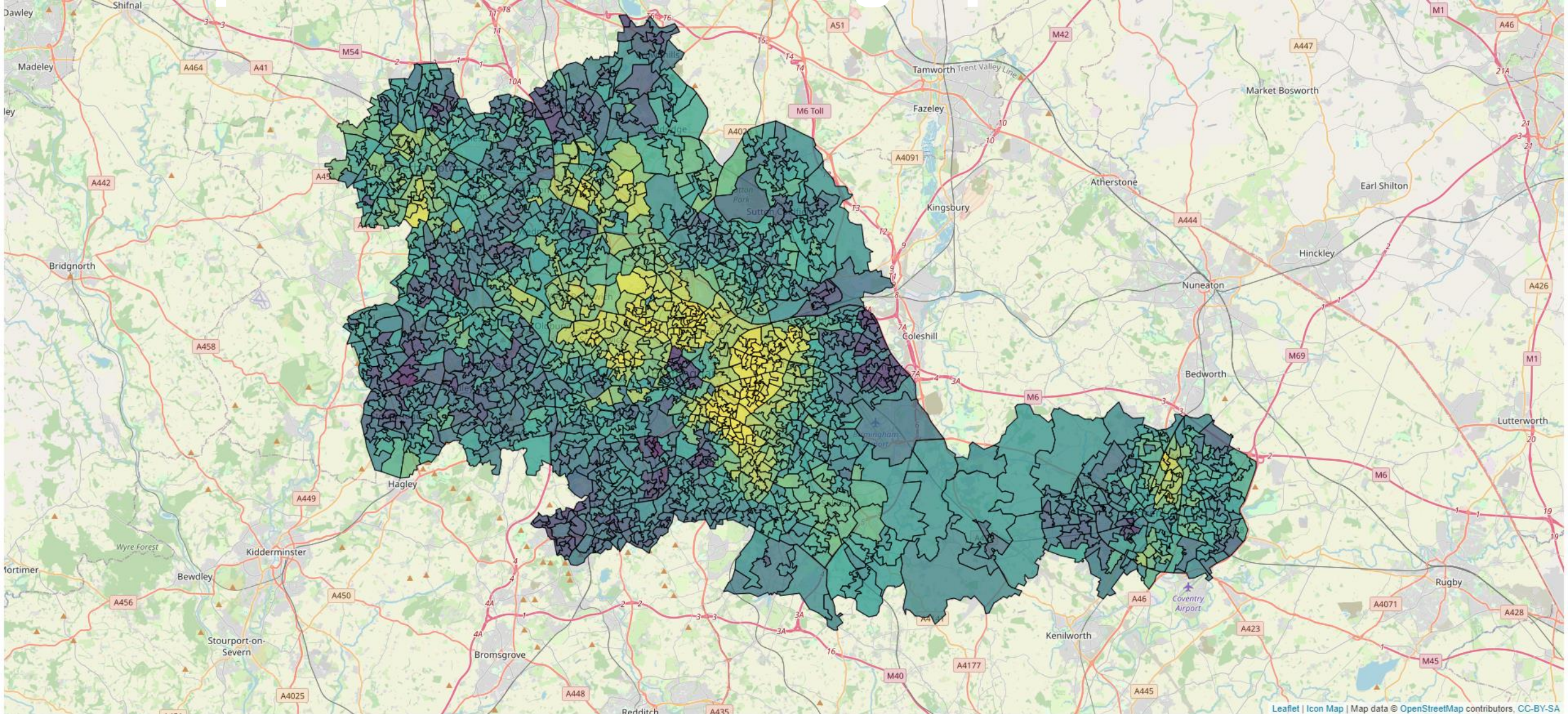
Buddhist	Christian	Hindu	Jewish
Muslim	Sikh	No religion	

Treemap Bar

< 3 of 10 >

Show correct answer

Population and demographics: no religion



Population and demographics: Christian

No-one with English as main language (%)

Religion: Sikh per cent

Number of all households

Religion: Any other religion per cent

Religion: Buddhist per cent

Religion: Christian per cent

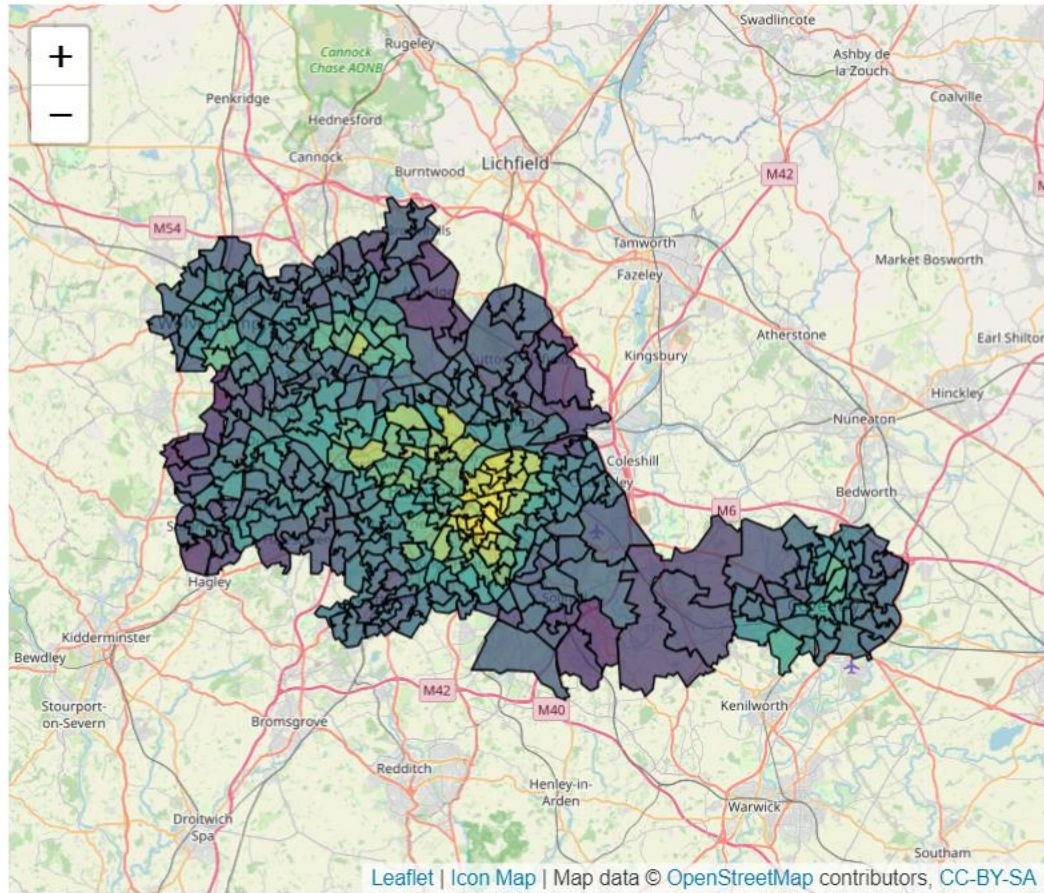
Religion: Hindu per cent

Religion: Jewish per cent

Religion: Muslim per cent

Religion: No religion per cent

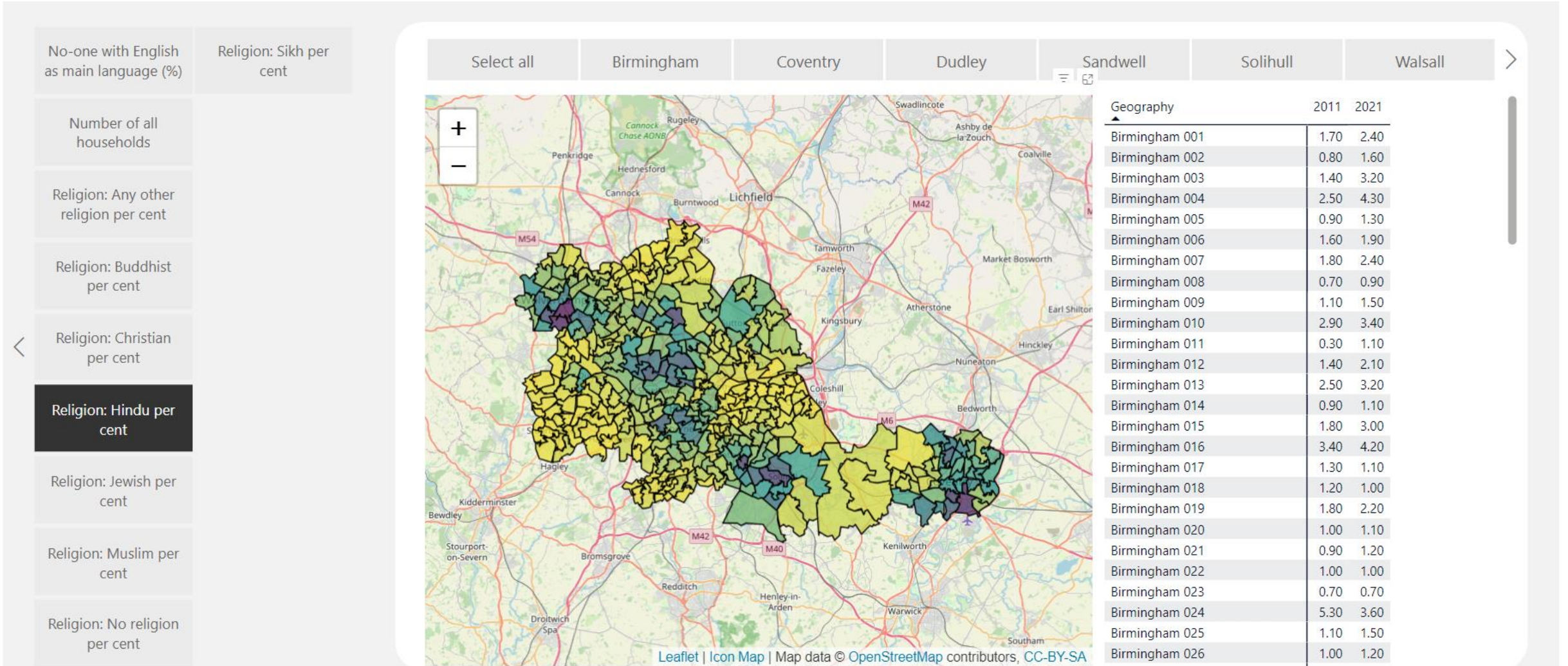
Select all Birmingham Coventry Dudley Sandwell Solihull Walsall



Geography	2011	2021
Birmingham 001	66.70	51.60
Birmingham 002	67.80	52.60
Birmingham 003	67.20	50.20
Birmingham 004	67.90	52.80
Birmingham 005	64.10	49.60
Birmingham 006	69.10	58.10
Birmingham 007	66.10	49.00
Birmingham 008	62.30	47.10
Birmingham 009	62.00	48.70
Birmingham 010	63.60	51.70
Birmingham 011	58.70	47.30
Birmingham 012	71.90	58.90
Birmingham 013	64.60	48.10
Birmingham 014	58.30	45.20
Birmingham 015	66.70	53.20
Birmingham 016	60.60	43.70
Birmingham 017	65.40	48.70
Birmingham 018	63.50	51.80
Birmingham 019	61.30	47.30
Birmingham 020	59.30	46.70
Birmingham 021	69.70	56.80
Birmingham 022	56.80	45.20
Birmingham 023	55.60	45.90
Birmingham 024	48.30	35.50
Birmingham 025	63.00	48.90
Birmingham 026	58.10	43.40

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Population and demographics: Hindu



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Population and demographics: Jewish

No-one with English as main language (%)

Religion: Sikh per cent

Number of all households

Religion: Any other religion per cent

Religion: Buddhist per cent

Religion: Christian per cent

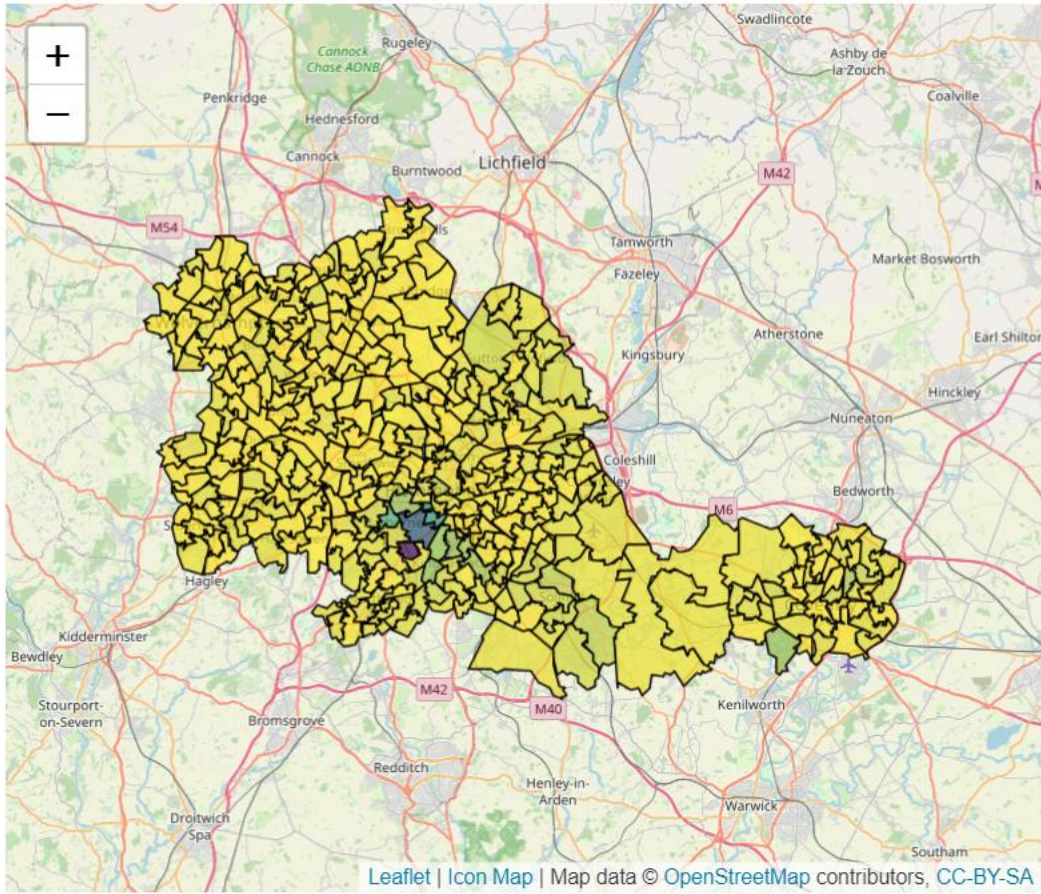
Religion: Hindu per cent

Religion: Jewish per cent

Religion: Muslim per cent

Religion: No religion per cent

Select all | Birmingham | Coventry | Dudley | Sandwell | Solihull | Walsall

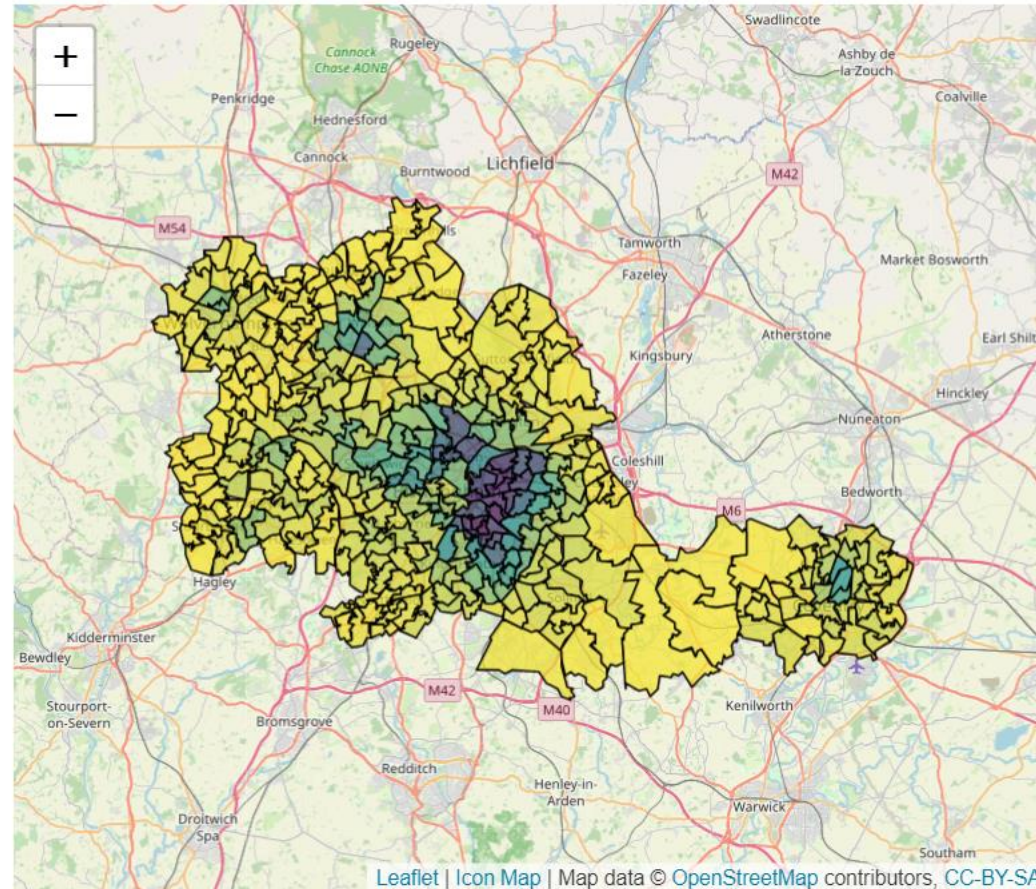


Geography	2011	2021
Birmingham 001	0.00	0.10
Birmingham 002	0.10	0.10
Birmingham 003	0.10	0.10
Birmingham 004	0.20	0.20
Birmingham 005	0.10	0.10
Birmingham 006	0.20	0.10
Birmingham 007	0.20	0.10
Birmingham 008	0.00	0.00
Birmingham 009	0.20	0.00
Birmingham 010	0.10	0.10
Birmingham 011	0.10	0.10
Birmingham 012	0.10	0.20
Birmingham 013	0.10	0.00
Birmingham 014	0.10	0.10
Birmingham 015	0.00	0.20
Birmingham 016	0.00	0.10
Birmingham 017	0.10	0.00
Birmingham 018	0.30	0.10
Birmingham 019	0.00	0.00
Birmingham 020	0.10	0.10
Birmingham 021	0.10	0.10
Birmingham 022	0.10	0.00
Birmingham 023	0.20	0.10
Birmingham 024	0.10	0.00
Birmingham 025	0.20	0.10
Birmingham 026	0.10	0.10

Population and demographics: Muslim

- No-one with English as main language (%)
- Religion: Sikh per cent
- Number of all households
- Religion: Any other religion per cent
- Religion: Buddhist per cent
- Religion: Christian per cent
- Religion: Hindu per cent
- Religion: Jewish per cent
- Religion: Muslim per cent**
- Religion: No religion per cent

- Select all
- Birmingham
- Coventry
- Dudley
- Sandwell
- Solihull
- Walsall

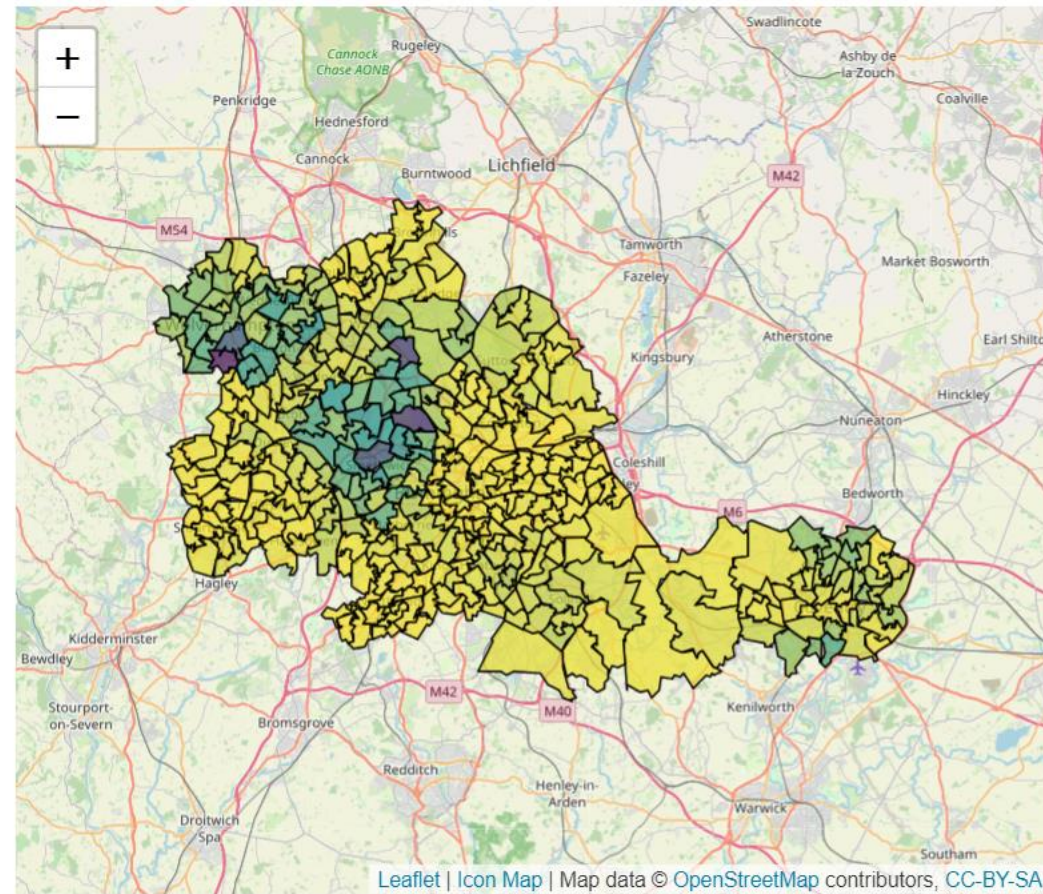


Geography	2011	2021
Birmingham 001	1.00	3.80
Birmingham 002	1.50	3.10
Birmingham 003	1.40	3.80
Birmingham 004	1.60	3.90
Birmingham 005	1.70	3.70
Birmingham 006	2.10	3.00
Birmingham 007	2.00	5.00
Birmingham 008	1.80	5.40
Birmingham 009	2.10	3.90
Birmingham 010	3.50	5.40
Birmingham 011	3.60	8.70
Birmingham 012	1.00	2.70
Birmingham 013	2.60	5.90
Birmingham 014	5.20	12.00
Birmingham 015	3.50	7.30
Birmingham 016	5.80	14.60
Birmingham 017	2.90	7.80
Birmingham 018	2.90	4.80
Birmingham 019	4.50	10.00
Birmingham 020	5.80	13.70
Birmingham 021	1.40	4.10
Birmingham 022	9.70	23.00
Birmingham 023	5.80	14.10
Birmingham 024	18.10	34.20
Birmingham 025	3.60	9.20
Birmingham 026	10.40	21.90

Population and demographics: Sikh

- No-one with English as main language (%)
- Religion: Sikh per cent
- Number of all households
- Religion: Any other religion per cent
- Religion: Buddhist per cent
- Religion: Christian per cent
- Religion: Hindu per cent
- Religion: Jewish per cent
- Religion: Muslim per cent
- Religion: No religion per cent

- Select all
- Birmingham
- Coventry
- Dudley
- Sandwell
- Solihull
- Walsall



Geography	2011	2021
Birmingham 001	3.40	6.90
Birmingham 002	1.50	3.50
Birmingham 003	3.10	4.90
Birmingham 004	3.10	5.20
Birmingham 005	0.90	1.10
Birmingham 006	1.70	1.90
Birmingham 007	3.10	5.60
Birmingham 008	0.80	1.10
Birmingham 009	1.20	1.40
Birmingham 010	3.60	4.70
Birmingham 011	0.50	0.50
Birmingham 012	1.60	2.70
Birmingham 013	1.90	3.10
Birmingham 014	0.50	0.70
Birmingham 015	2.40	3.90
Birmingham 016	5.20	8.50
Birmingham 017	2.40	2.20
Birmingham 018	1.30	1.80
Birmingham 019	2.30	4.10
Birmingham 020	0.90	0.70
Birmingham 021	1.20	1.60
Birmingham 022	1.70	1.10
Birmingham 023	1.00	0.50
Birmingham 024	7.20	7.30
Birmingham 025	1.30	1.50
Birmingham 026	1.70	1.60



0 response submitted

Climate resilience: which of the West Midlands local authorities have the LOWEST carbon emissions in 2021?

Scan the QR or use link to join



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Copy link

Birmingham	Coventry	Dudley	Sandwell
Solihull	Walsall	Wolverhampton	

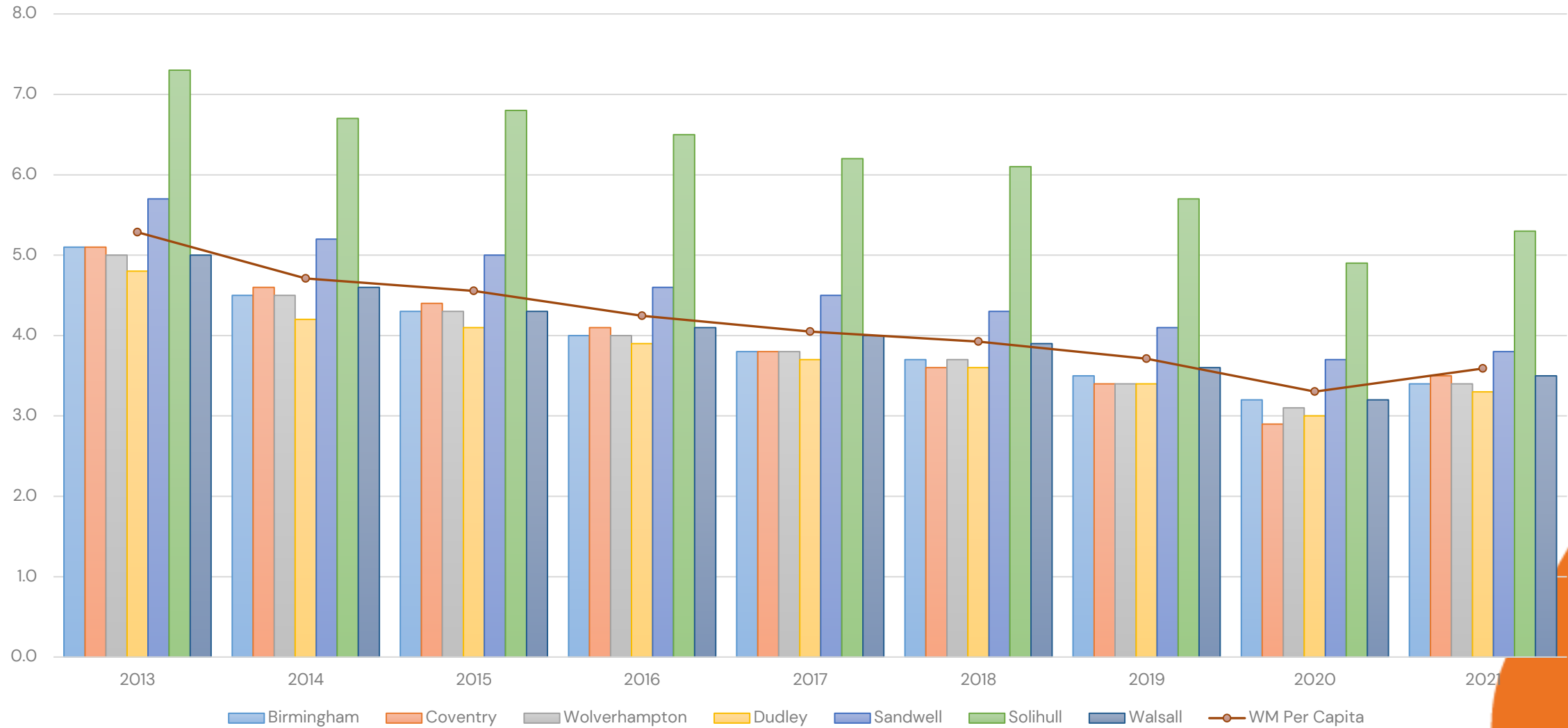
Treemap Bar

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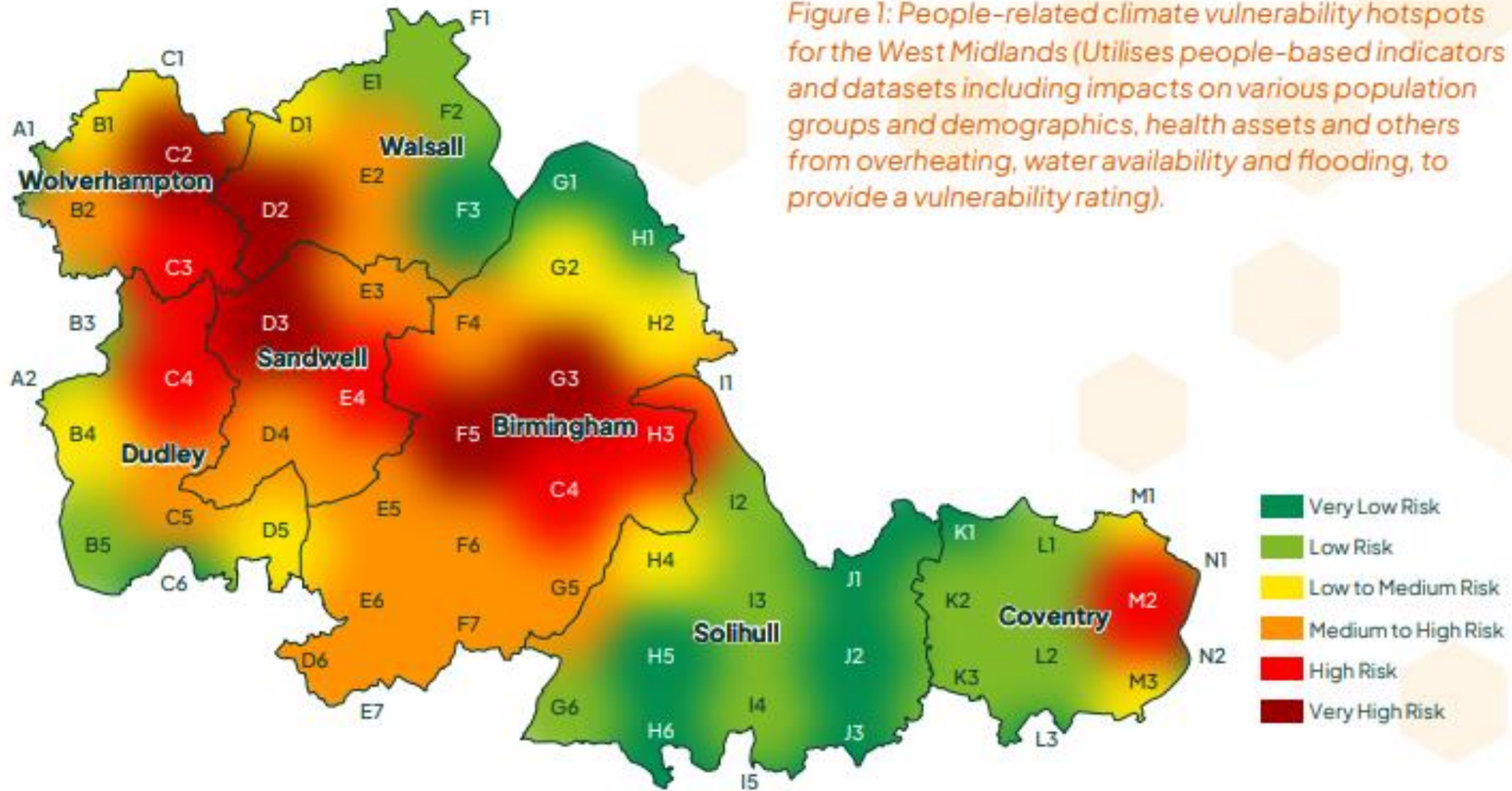
Show correct answer

Climate resilience: carbon emissions

CO2 Emissions Per Capita (tonnes)



Climate resilience: climate vulnerability





0 response submitted

Inclusive economy: which West Midlands ward has the HIGHEST median household income?

Scan the QR or use link to join



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Copy link

St Alphege

Sutton Four Oaks

Earlsdon

Dorridge and Hockley Heath

Edgbaston

Treemap Bar

< 5 of 10 >

Show correct answer



0 response submitted

Inclusive economy: which West Midlands ward has the LOWEST median household income?

Scan the QR or use link to join



<https://forms.office.com/e/nt6zw1y6Rp>

Copy link

Nechells

Castle Vale

Smith's Wood

West Bromwich Central

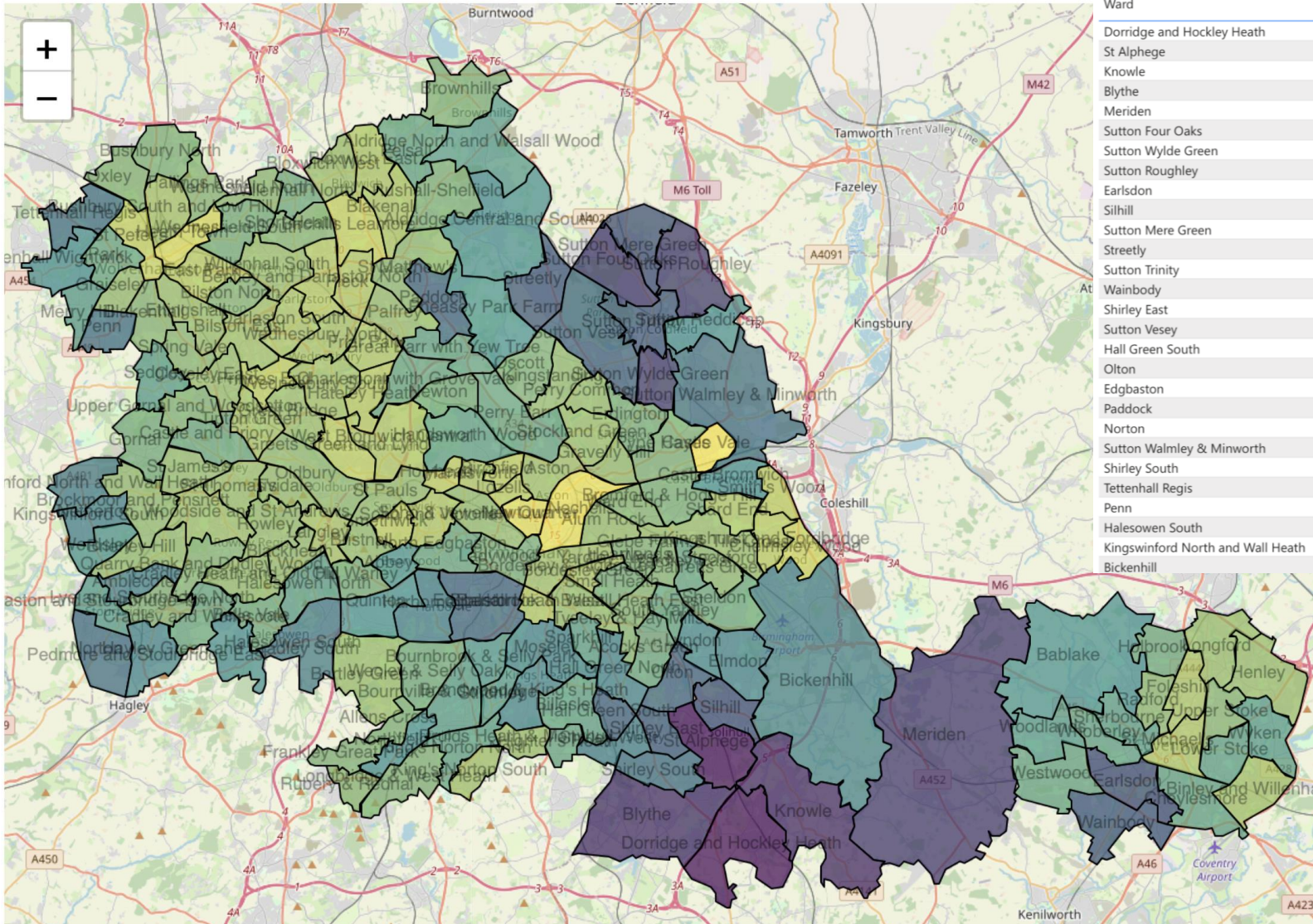
Heath Town

Treemap Bar

< 6 of 10 >

Show correct answer

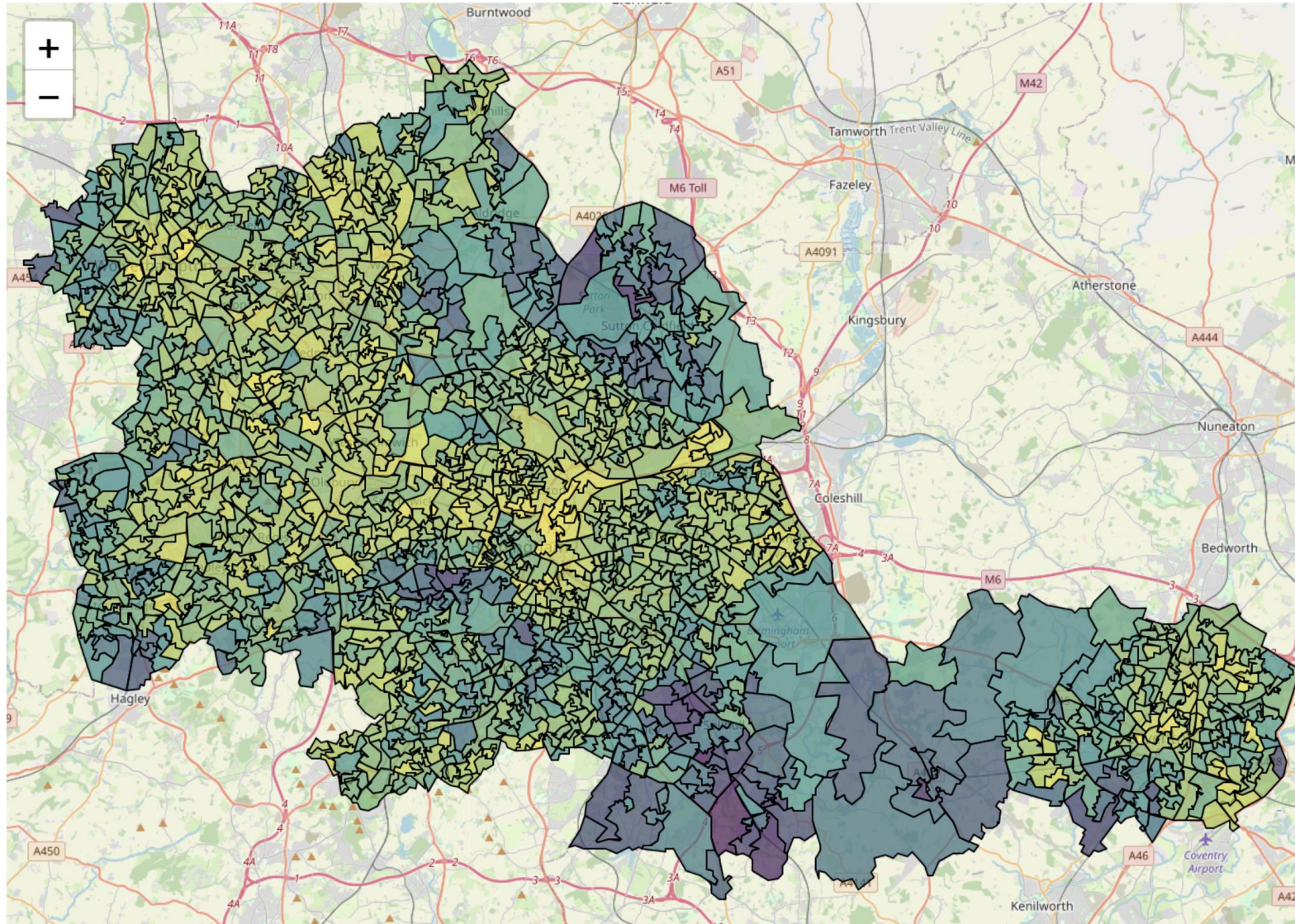
Inclusive economy: median household income by ward



Ward	Weighted Median Income
Dorridge and Hockley Heath	£59,665.53
St Alphege	£59,622.62
Knowle	£55,927.12
Blythe	£55,500.47
Meriden	£53,632.93
Sutton Four Oaks	£53,441.26
Sutton Wylde Green	£53,134.14
Sutton Roughley	£53,006.65
Earlsdon	£50,599.10
Silhill	£50,061.22
Sutton Mere Green	£49,992.46
Streety	£49,015.79
Sutton Trinity	£48,970.61
Wainbody	£48,917.36
Shirley East	£48,396.41
Sutton Vesey	£47,795.08
Hall Green South	£47,365.52
Olton	£47,244.51
Edgbaston	£46,982.25
Paddock	£46,854.74
Norton	£45,989.59
Sutton Walmley & Minworth	£45,838.74
Shirley South	£45,611.27
Tettenhall Regis	£45,426.76
Penn	£45,331.09
Halesowen South	£44,030.51
Kingswinford North and Wall Heath	£43,493.08
Bickenhill	£43,437.39

Ward	Weighted Median Income
Castle Vale	£21,208.75
Nechells	£22,369.90
Newtown	£23,376.50
Heath Town	£24,596.62
Chelmsley Wood	£25,370.28
Birchills Leamore	£26,221.81
St Peter's	£26,489.50
Smith's Wood	£26,875.97
Smethwick	£26,895.39
Holyhead	£27,060.00
Birchfield	£27,069.90
Princes End	£27,125.27
Lozells	£27,163.86
Kingshurst and Fordbridge	£27,181.05
Greets Green and Lyng	£27,253.13
East Park	£27,740.64
Hateley Heath	£27,759.82
Bentley and Darlaston North	£28,189.88
Balsall Heath West	£28,443.99
Pleck	£28,447.88
Handsworth	£28,536.94
Shard End	£28,598.50
Friar Park	£28,622.00
Soho and Victoria	£28,713.21
St Michael's	£28,723.15
West Bromwich Central	£28,742.77
Blakenall	£28,766.18
Bloxwich East	£28,892.32

Inclusive economy: median household income by neighbourhood



LSOA	Weighted Median Income
Wolverhampton 015C	£17,321.31
Birmingham 121B	£18,152.27
Birmingham 043E	£18,183.64
Sandwell 040C	£18,521.26
Sandwell 016C	£18,586.36
Birmingham 043D	£18,809.21
Coventry 024C	£19,032.55
Wolverhampton 020B	£19,360.84
Birmingham 050E	£19,468.20
Sandwell 007A	£19,530.94
Birmingham 050G	£19,600.57
Birmingham 049B	£19,740.19
Coventry 031D	£19,754.39
Coventry 004C	£19,766.48
Birmingham 029C	£20,050.81
Coventry 007F	£20,263.38
Wolverhampton 016C	£20,364.79
Sandwell 014D	£20,396.84
Birmingham 029A	£20,522.51
Birmingham 047E	£20,592.86
Birmingham 029E	£20,619.58
Sandwell 028A	£20,631.91
Sandwell 039E	£20,658.66
Solihull 007B	£20,743.04
Wolverhampton 015A	£20,829.13
Birmingham 052E	£20,839.84
Sandwell 009C	£20,970.02
Birmingham 050B	£21,019.56



0 response submitted

Power and participation: more people volunteer in the West Midlands than nationally - true or false?

Scan the QR or use link to join



<https://forms.office.com/e/nt6zw1y6Rp>

Copy link

True

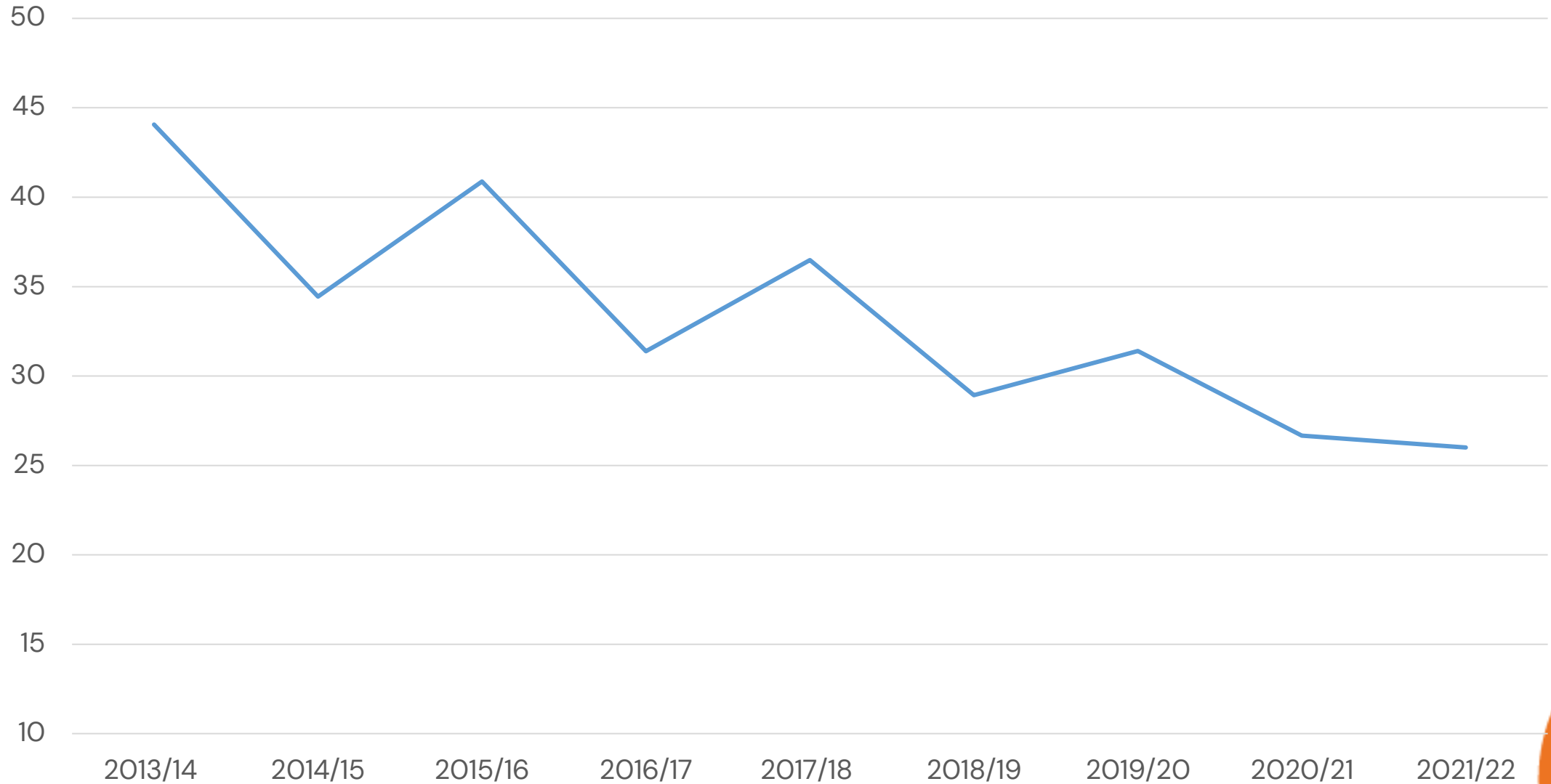
False

Treemap Bar

< 7 of 10 >

Show correct answer

Power and participation: % of people who volunteered last year





0 response submitted

Affordable and safe places: in 2023, how many households were living in temporary accommodation?

Scan the QR or use link to join



<https://forms.office.com/e/nt6zw1y6Rp>

Copy link

1 in 200

1 in 500

1 in 1000

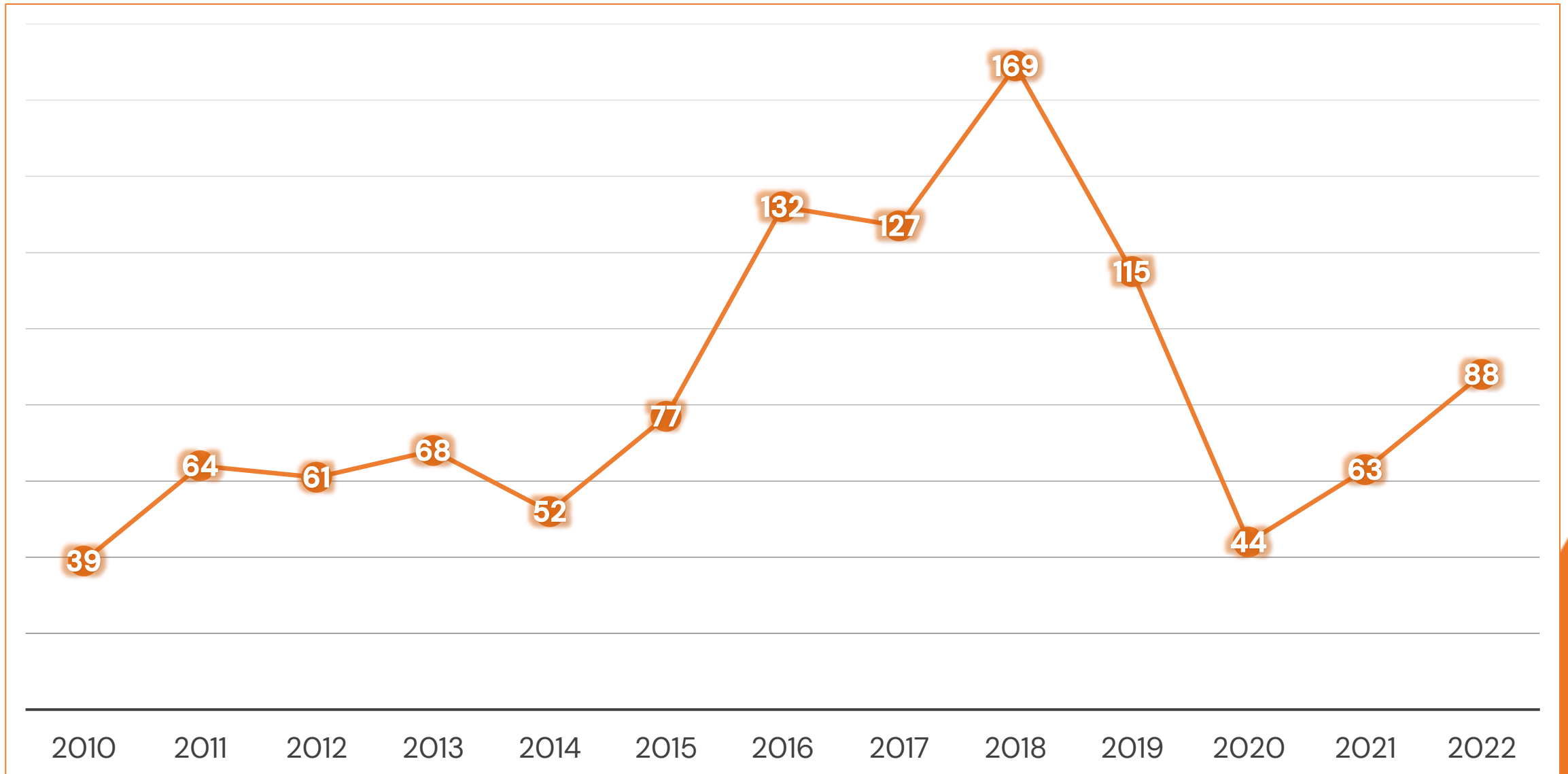
1 in 2000

Treemap Bar

< 8 of 10 >

Show correct answer

Affordable and safe places: rough sleeping





0 response submitted

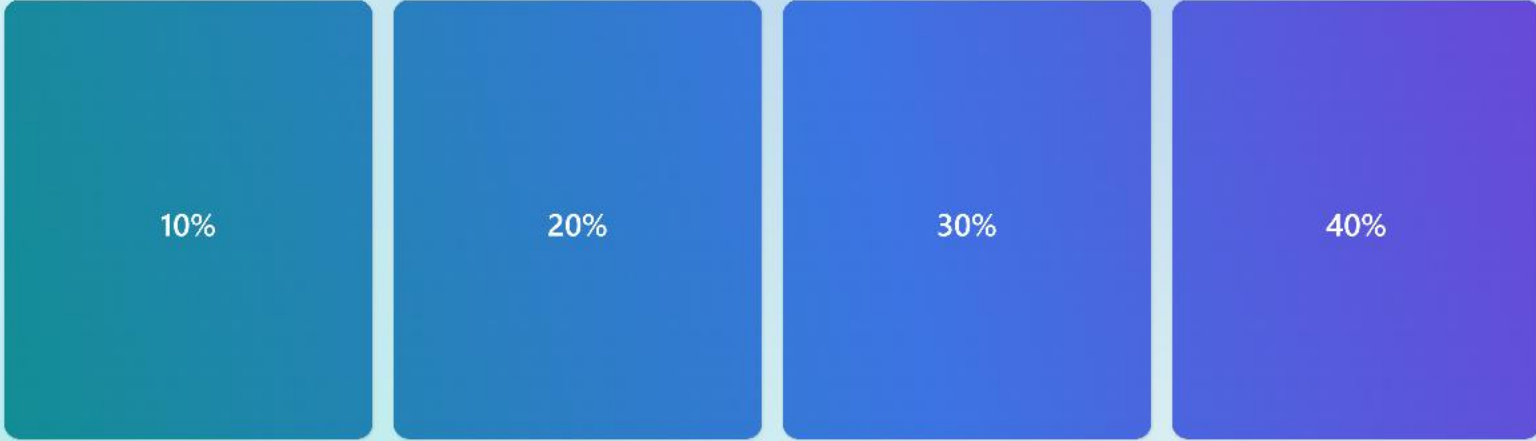
Connected communities: walking and cycling accounts for how many % of all trips made in the West Midlands?

Scan the QR or use link to join



<https://forms.office.com/e/nt6zw1y6Rp>

📄 Copy link

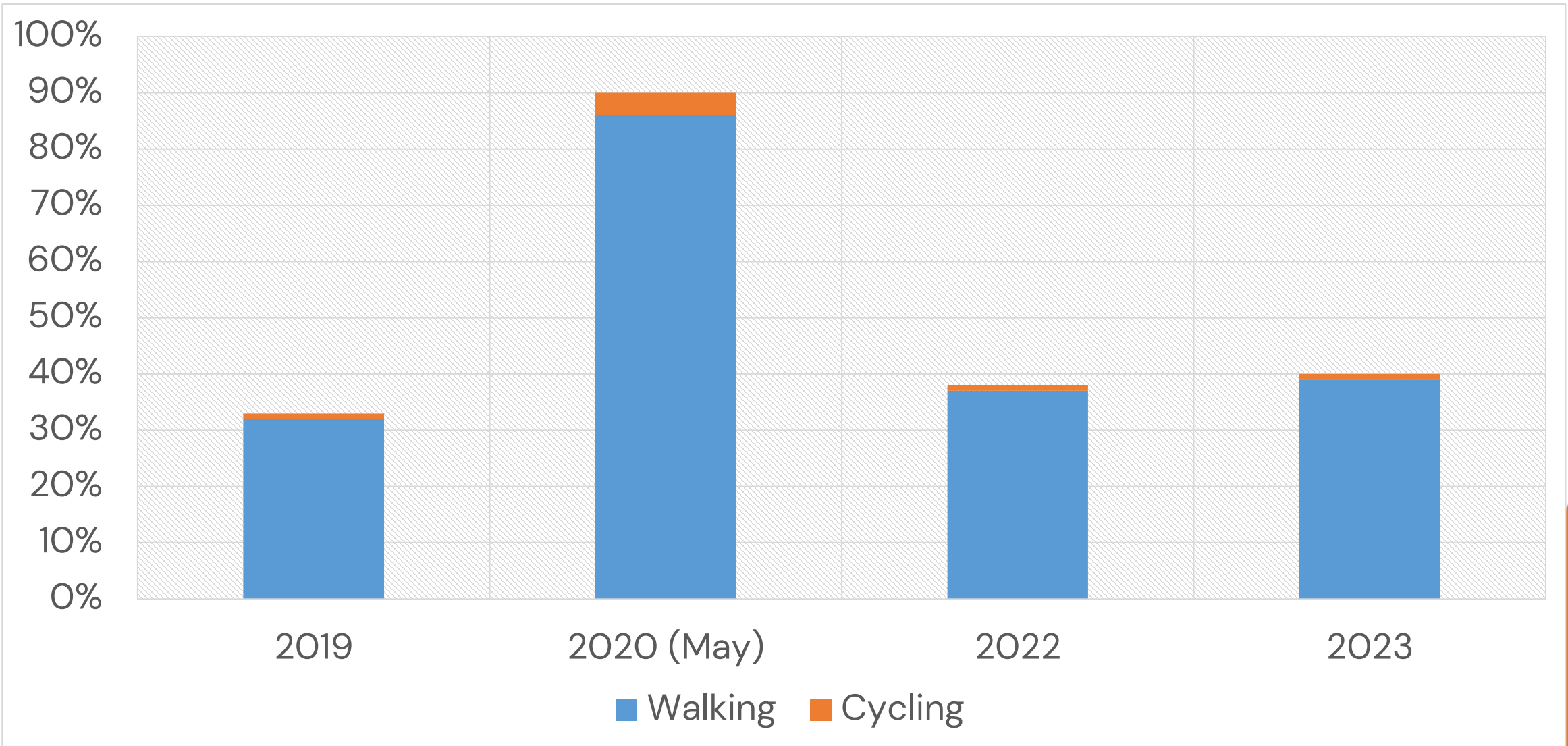


Treemap Bar

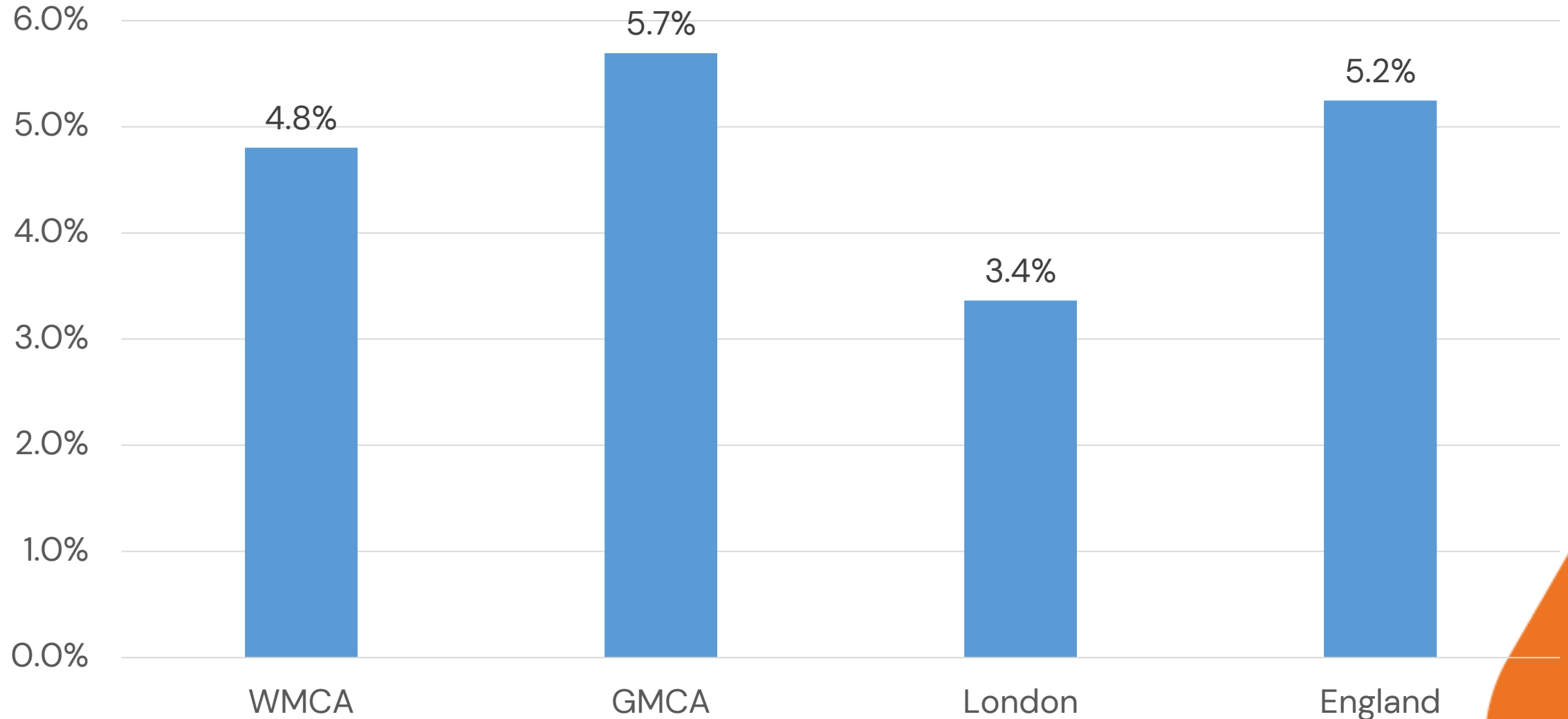
< 9 of 10 >

Show correct answer

Connected communities: active travel as a % of all trips made



Education and learning: not in education, employment or training





0 response submitted

Health and wellbeing: people in the least deprived parts of the West Midlands can expected to live up to...

Scan the QR or use link to join



<https://forms.office.com/e/nt6zw1y6Rp>

Copy link

6 years longer than those in the most deprived areas

7 years longer than those in the most deprived areas

8 years longer than those in the most deprived areas

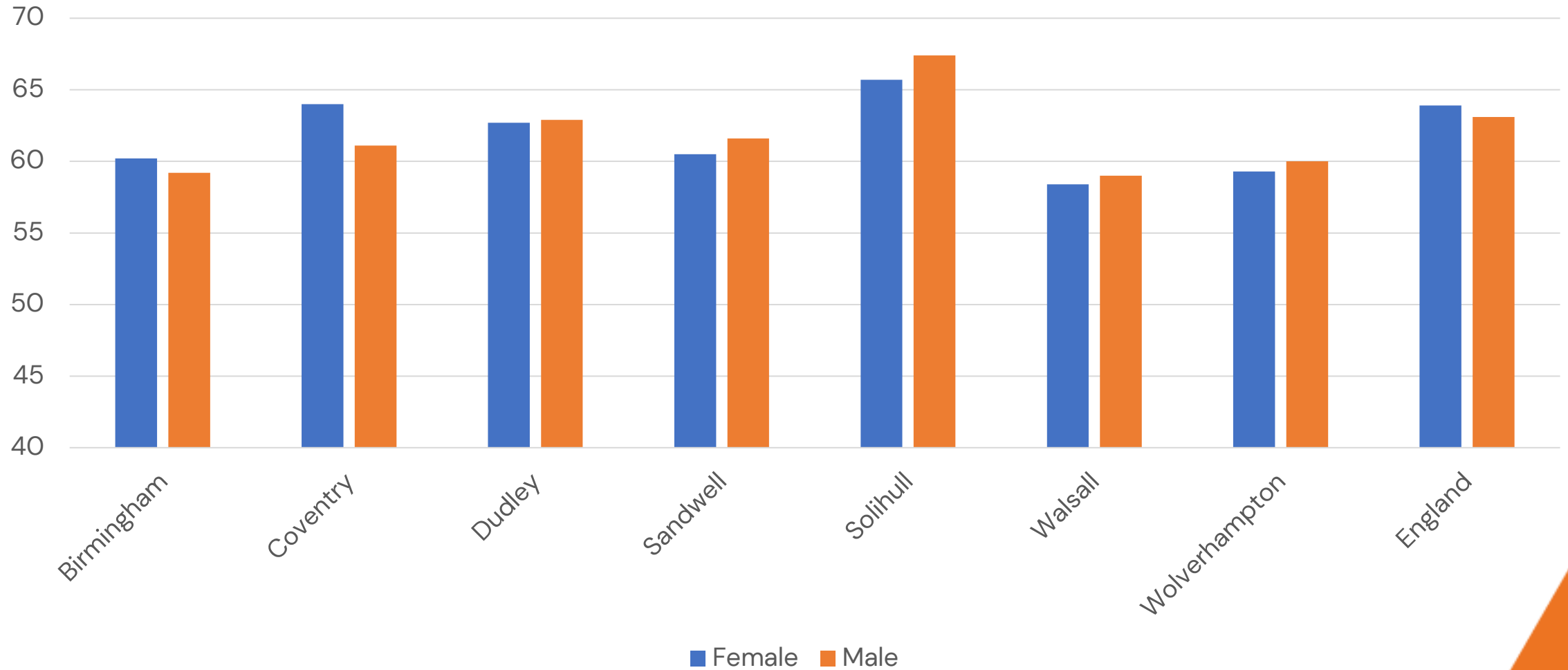
9 years longer than those in the most deprived areas

Treemap Bar

< 10 of 10 >

Show correct answer

Health and wellbeing: healthy life expectancy

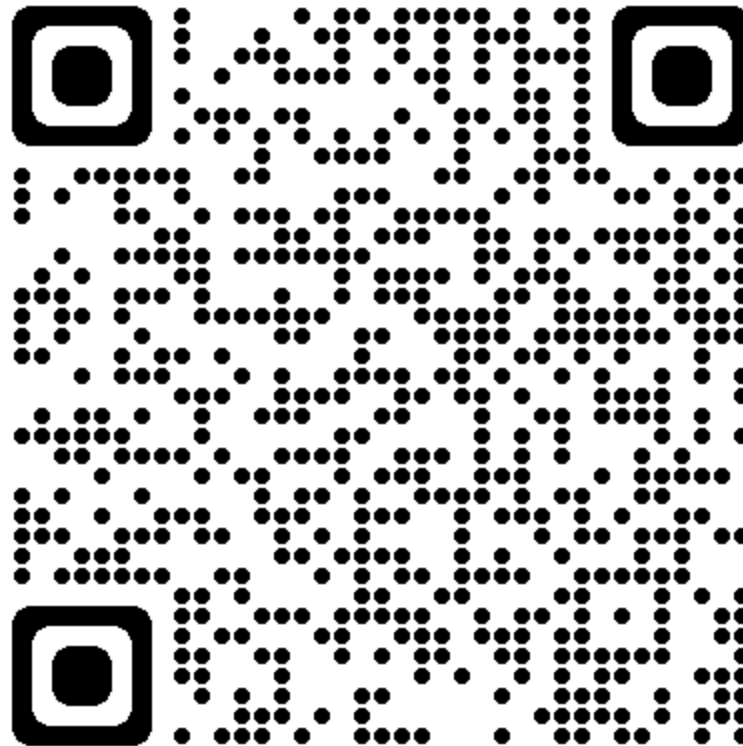


Equality: ethnicity pay gap (2019)

	<i>£ per hour</i>								<i>percent</i>							
	2012	2013	2014	2015	2016	2017	2018	2019	2012	2013	2014	2015	2016	2017	2018	2019
White British	£10.62	£10.79	£10.99	£11.11	£11.28	£11.56	£12.03	£12.49	-	-	-	-	-	-	-	-
White Irish	£13.69	£14.38	£15.04	£14.16	£15.18	£15.68	£15.40	£17.55	-28.9	-33.3	-36.9	-27.5	-34.6	-35.6	-28.0	-40.5
White Other	£9.71	£9.80	£10.00	£10.00	£9.98	£10.38	£11.16	£11.54	8.6	9.2	9.0	10.0	11.5	10.2	7.2	7.6
White and Black Caribbean	£9.05	£10.90	£9.62	£9.82	£10.24	£9.63	£11.54	£10.92	14.8	-1.0	12.5	11.6	9.2	16.7	4.1	12.6
White and Black African	£12.16	£10.27	£8.33	£12.44	£12.03	£12.91	£11.16	£10.57	-14.5	4.8	24.2	-12.0	-6.6	-11.7	7.2	15.4
White and Asian	£10.87	£12.50	£12.49	£11.21	£13.51	£11.55	£13.16	£13.37	-2.4	-15.8	-13.6	-0.9	-19.8	0.1	-9.4	-7.0
Other mixed/multiple ethnic groups	£12.03	£12.02	£11.20	£11.73	£12.50	£11.55	£13.71	£12.50	-13.3	-11.4	-1.9	-5.6	-10.8	0.1	-14.0	-0.1
Indian	£11.55	£11.55	£12.03	£11.55	£12.49	£12.83	£13.47	£14.43	-8.8	-7.0	-9.5	-4.0	-10.7	-11.0	-12.0	-15.5
Pakistani	£8.65	£8.56	£8.08	£9.13	£9.63	£9.63	£10.00	£10.55	18.5	20.7	26.5	17.8	14.6	16.7	16.9	15.5
Bangladeshi	£8.29	£8.00	£7.71	£8.95	£9.00	£9.11	£9.60	£10.58	21.9	25.9	29.8	19.4	20.2	21.2	20.2	15.3
Chinese	£11.54	£12.90	£12.98	£13.11	£14.42	£15.18	£15.94	£15.38	-8.7	-19.6	-18.1	-18.0	-27.8	-31.3	-32.5	-23.1
Asian Other	£9.63	£9.38	£8.95	£9.03	£10.10	£10.42	£11.55	£11.55	9.3	13.1	18.6	18.7	10.5	9.9	4.0	7.5
Black African	£9.18	£9.63	£9.42	£9.73	£10.00	£10.42	£10.30	£11.50	13.6	10.8	14.3	12.4	11.3	9.9	14.4	7.9
Black Caribbean	£10.58	£11.43	£10.95	£10.54	£11.19	£11.50	£11.63	£12.03	0.4	-5.9	0.4	5.1	0.8	0.5	3.3	3.7
Black Other	£12.00	£10.54	£12.16	£9.95	£11.00	£12.03	£12.20	£11.90	-13.0	2.3	-10.6	10.4	2.5	-4.1	-1.4	4.7
Arab	£9.06	£9.45	£9.97	£9.63	£10.00	£10.95	£10.63	£12.20	14.7	12.4	9.3	13.3	11.3	5.3	11.6	2.3
Other ethnic group	£10.00	£9.72	£9.85	£10.25	£10.17	£10.53	£11.00	£11.43	5.8	9.9	10.4	7.7	9.8	8.9	8.6	8.5

Source: Annual Population Survey

Find out more



<https://linktr.ee/wmcaresearch>