

West Midlands Functional Economic Market Area Study

Headline Findings

26 June 2015

FEMA Terms of Reference

The geographies examined in the study are those of the Black Country, Coventry & Warwickshire and Greater Birmingham & Solihull LEAs. These areas encompass 19 local authorities in total (7 unitaries and 12 districts).

For each of the three study topics (travel to work, migration and industrial specialisation) the study examined the relationships and similarity between all of the 19 authorities and between the 7 unitaries.

Travel to Work Areas

The ONS defines a Travel to Work Area (TTWA) as an area where at least 75% of the resident working population also work. This is known as the **self-containment percentage**.

Analysis was undertaken of the 19 authorities within the 3 LEP areas to establish where the strongest travel to work relationships existed and the size of the self-containment percentage of a number of functional market areas.

For the purposes of analysis those working at home and those with work without a fixed location were excluded as these do not constitute a 'travel to work' relationship.

Travel to work relationships and self-containment percentages are explored overleaf.

Travel to Work Areas

The self-containment percentage for the three LEP areas are:

Black Country LEP

Resident in-work population working within LEP area	of	Total resident in- work population	Self containment 71%
298,000		419,000	

Coventry and Warwickshire LEP

Resident in-work population working within LEP area	of	Total resident in- work population	Self containment 77%
263,000		341,000	

Greater Birmingham and Solihull LEP

Resident in-work population working within LEP area	of	Total resident in- work population	Self containment 77%
514,000		677,000	

Travel to Work Areas

The self-containment percentage for the three LEP areas combined is:

Black Country, C&W and GBS LEPs

Resident in-work population working within LEP areas	of	Total resident in- work population	Self containment
1.29 million		1.44 million	90%

The self-containment percentage for the 7 West Midlands unitary authorities is:

7 WM Unitary Authorities

Resident in-work population working within area	of	Total resident in- work population	Self containment
837,000		976,000	85%

Travel to Work Areas

The self-containment percentage for combinations of the LEPs are:

Black Country & GBS LEPs

Resident in-work population working within LEP area	of	Total resident in- work population	Self containment 87%
944,000		1.1 million	

Black Country & Coventry and Warwickshire LEPs

Resident in-work population working within LEP area	of	Total resident in- work population	Self containment 75%
569,000		760,000	

GBS & Coventry and Warwickshire LEPs

Resident in-work population working within LEP area	of	Total resident in- work population	Self containment 84%
882,000		1.05 million	

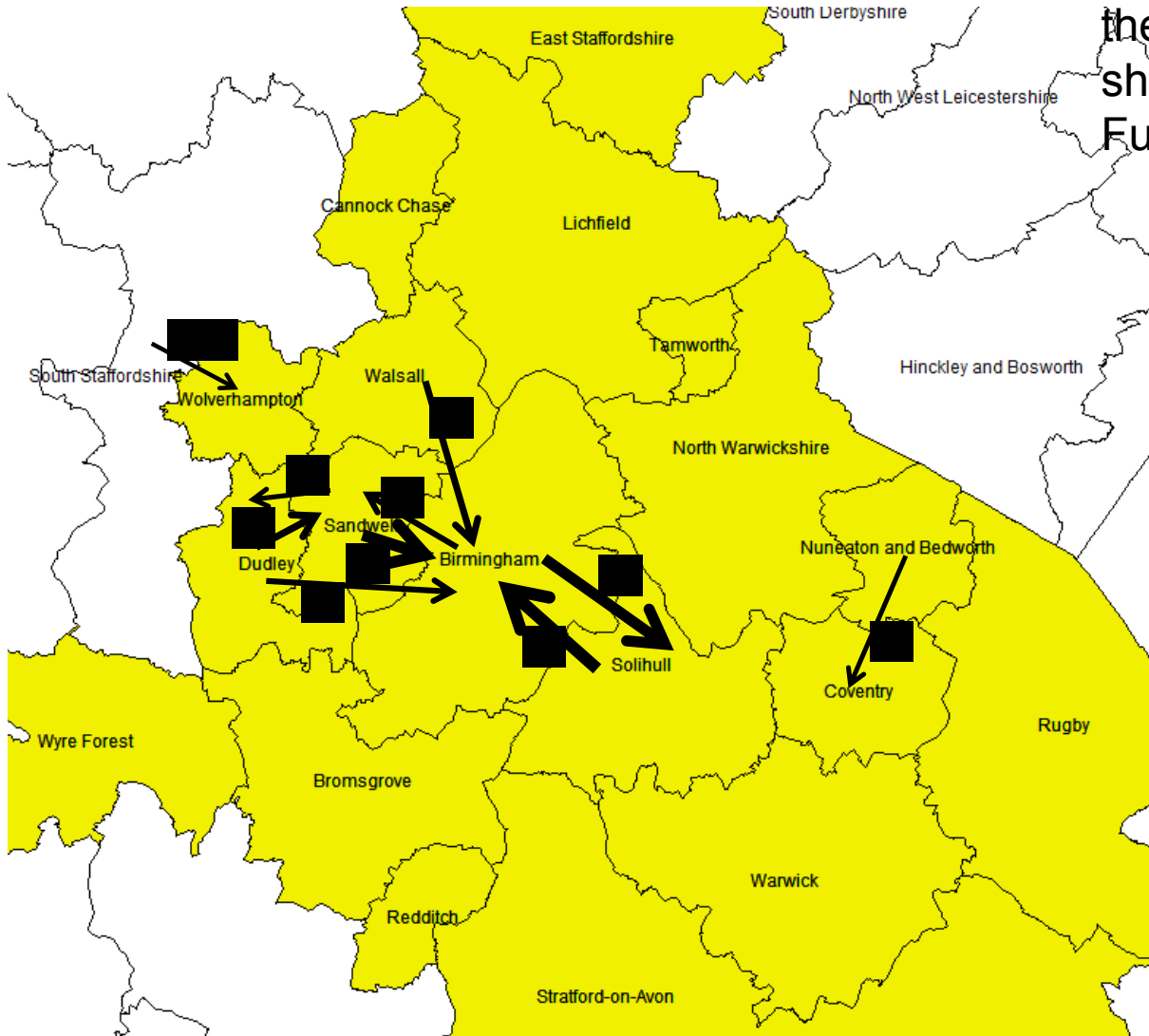
Travel to Work Areas – Other CAs

The self-containment percentages for England's other combined authority areas are:

Combined authority	Self Containment Percentage
North East	93%
West Yorkshire	91%
Greater Manchester	89%
Sheffield	85%
Liverpool	83%

Travel to Work Flows

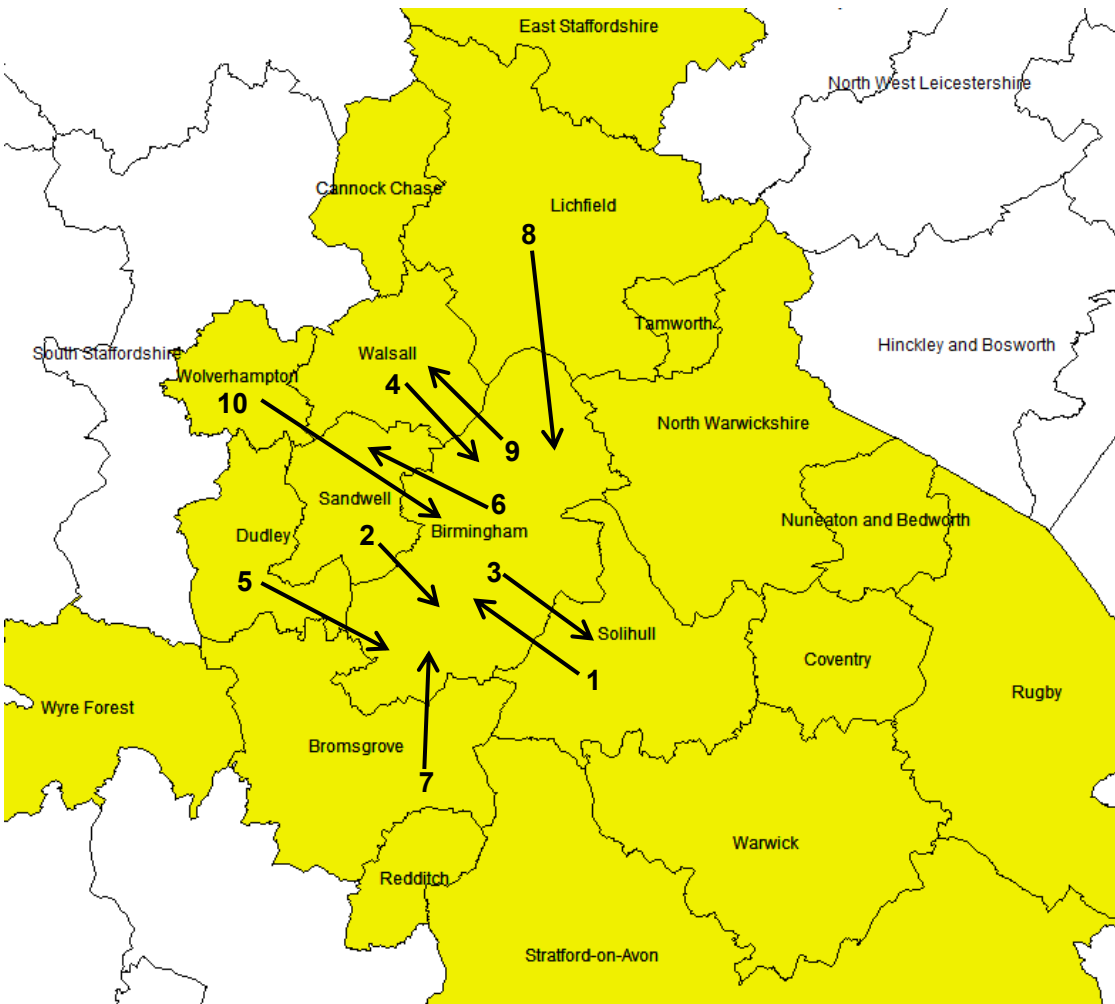
We examined the 10 largest travel to work flows between the 19 authorities which are shown on the map opposite. Full details are in Appendix 1



No	Volume of Commuters
1	29,458
2	28,088
3	26,479
4	16,877
5	16,037
6	14,057
7	13,661
8	11,739
9	11,392
10	10,381

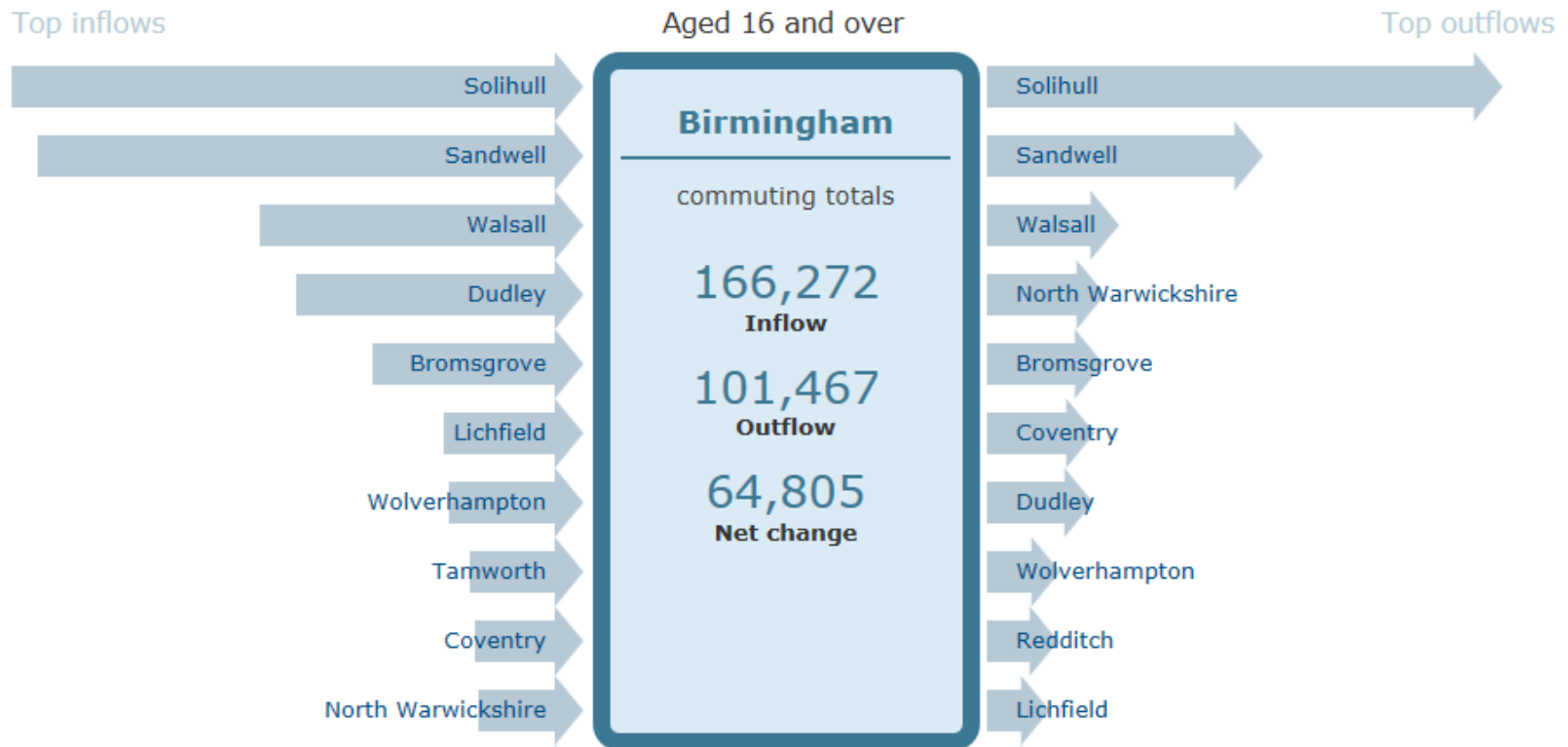
Travel to Work Flows - Birmingham

We examined the 10 largest travel to work flows in or out of the authority which are shown on the map opposite:



No	Volume of Commuters
1	29,458
2	28,088
3	26,479
4	16,037
5	14,057
6	13,661
7	9,996
8	6,076
9	5,872
10	5,842

Travel to Work Flows - Birmingham

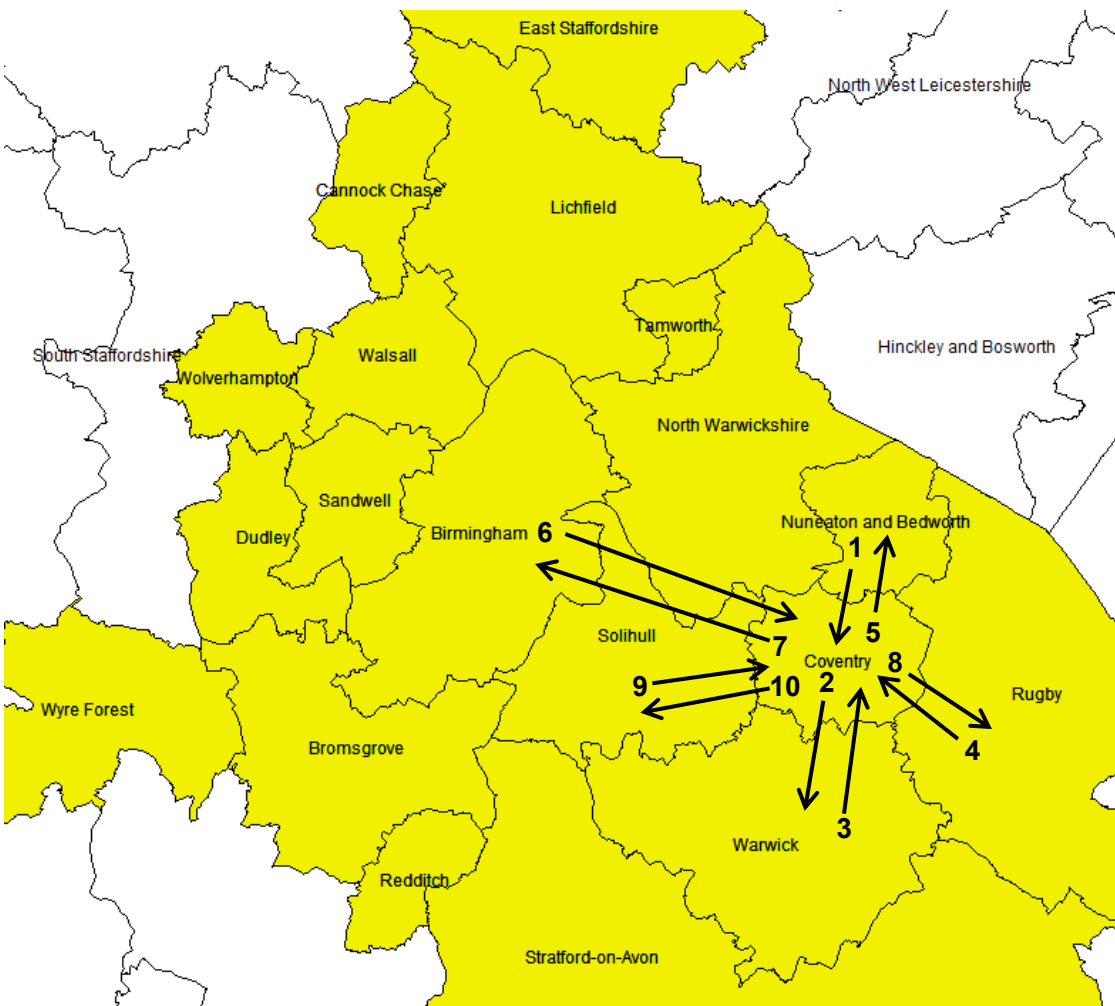


Commuting totals for Birmingham:

- Inflow: **166,272** aged 16 and over commute into Birmingham from other local authorities in the UK.
- Outflow: **101,467** aged 16 and over commute out of Birmingham to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population increase of **64,805** aged 16 and over in Birmingham.

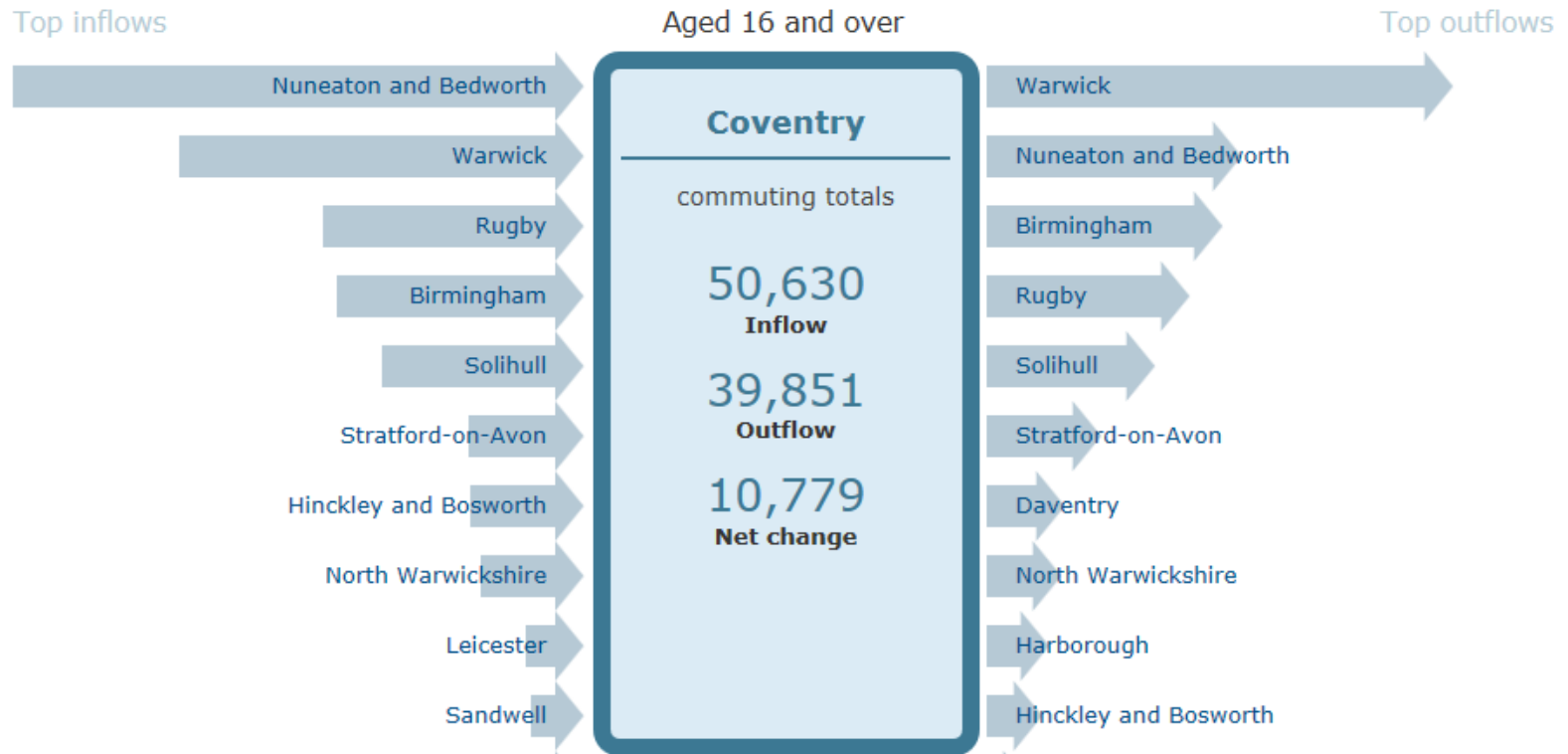
Travel to Work Flows - Coventry

We examined the 10 largest travel to work flows in or out of the authority which are shown on the map opposite:



No	Volume of Commuters
1	11,392
2	9,249
3	7,903
4	4,909
5	4,878
6	4,596
7	4,472
8	3,805
9	3,654
10	3,072

Travel to Work Flows - Coventry



Commuting totals for Coventry:

- Inflow: **50,630** aged 16 and over commute into Coventry from other local authorities in the UK.
- Outflow: **39,851** aged 16 and over commute out of Coventry to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population increase of **10,779** aged 16 and over in Coventry.

Migration

Similar analysis to that undertaken for Travel to Work was mirrored for patterns of internal migration between areas. This examined the volume of individuals that moved home between areas in the year preceding the 2011 Census. The analysis presents the 10 strongest relationships across the area.

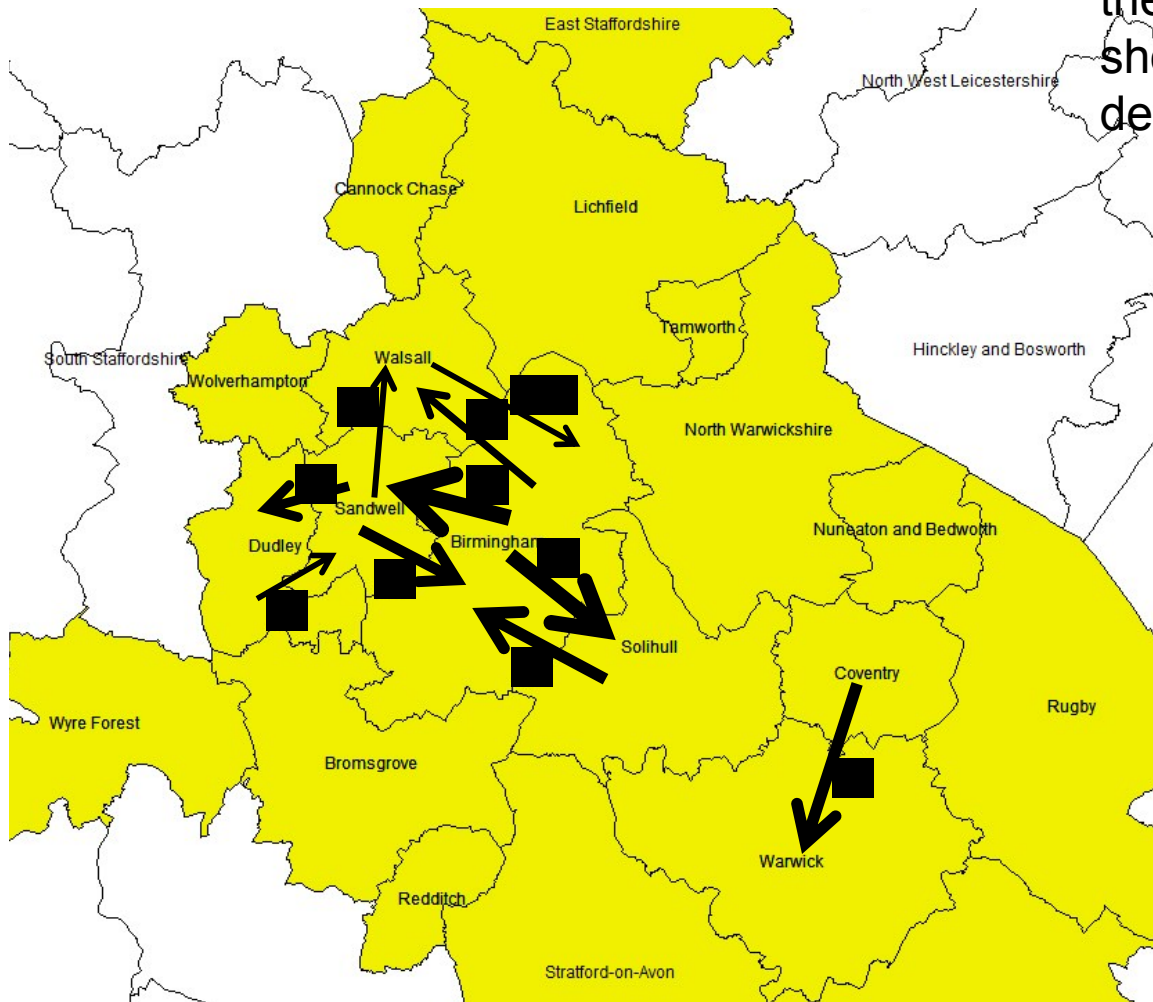
As shown overleaf, this presents a similar picture to the Travel to Work analysis with two important distinctions:

- All of the 10 strongest relationships are between districts that form part of one of the three LEP areas
- There is a very strong relationship between Coventry and Warwick

Since the analysis was primarily designed to examine the strength of relationships between areas, immigration from outside of the UK was excluded from the analysis. The extent of this can be viewed in the migration charts provided in Appendix 2.

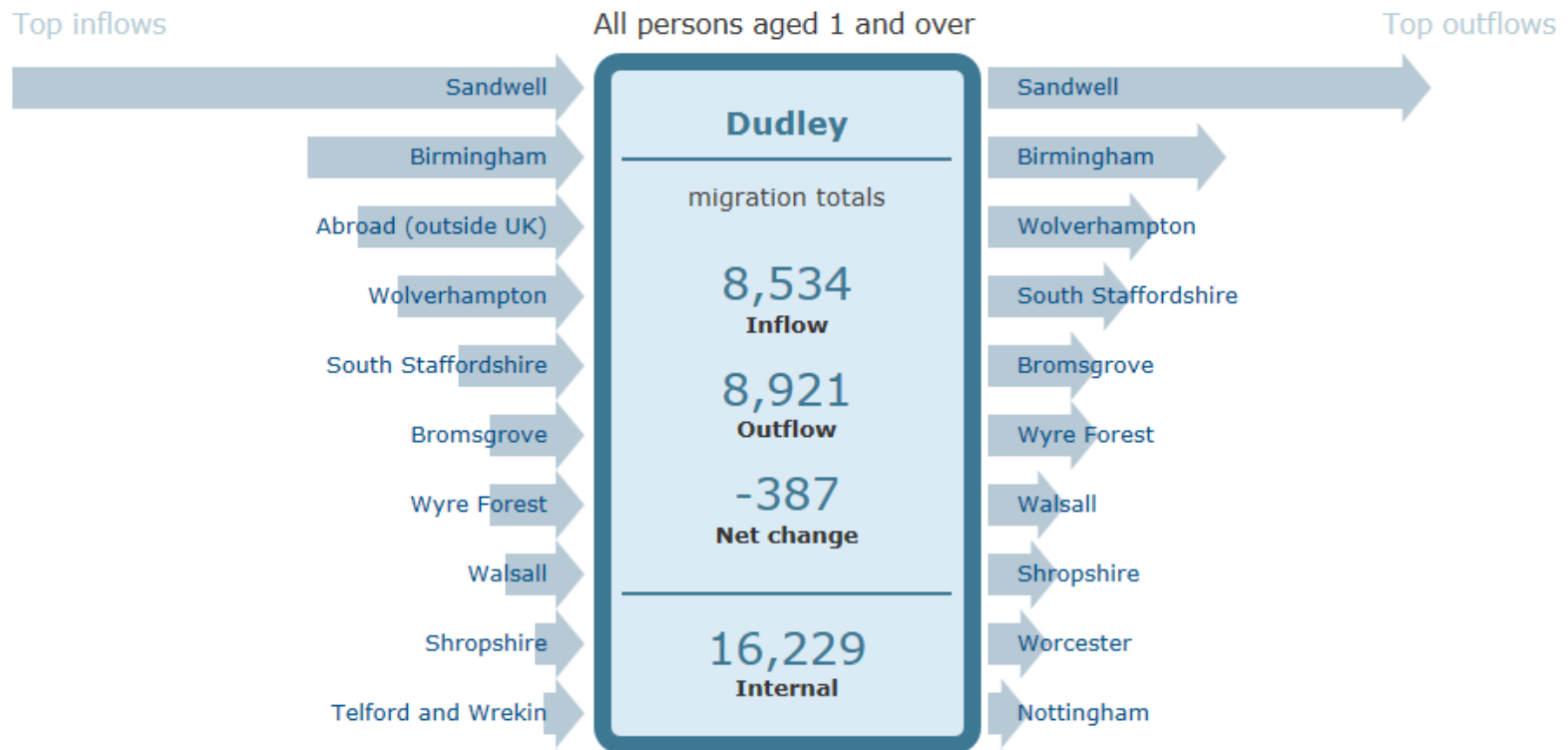
Migration

We examined the 10 largest migration work flows between the 19 authorities which are shown on the map opposite. Full details are shown in Appendix 2.



No	Volume of Commuters
1	4,016
2	3,816
3	2,929
4	2,887
5	2,721
6	2,371
7	1,823
8	1,821
9	1,488
10	1,389

Migration - Dudley



Migrations for Dudley with all areas:

- Inflow: **8,534** persons aged 1 and over moved into Dudley from other areas.
- Outflow: **8,921** persons aged 1 and over moved out of Dudley.
- Net change: Overall, migration resulted in **387** fewer persons aged 1 and over in Dudley.
- Internal: In addition, **16,229** persons aged 1 and over moved within Dudley.

Industrial Specialisation

Industrial specialisation was examined using Location Quotients which provide a local measure of geographical concentration of industries. A location quotient of >1 shows a degree of specialisation. A location quotient of 2 suggests there is twice the amount of employees in a sector than we would expect from a GB average.

This showed:

- There is greater degree of specialisation in the C&W and Black Country LEP areas than in the GBS LEP area
- Specialisation across all three LEP areas is focused on manufacturing, wholesale and the motor trades
- There are specialisations in Transport and Storage in the C&W LEP area and mining, quarrying and utilities in the Black Country LEP area that are not shared in the other LEP areas

Specialisation - Broad Industries

Broad industrial sectors where the three LEP areas showed specialisation were:

Sector	Location Quotient (>1 shows representation above national average)		
	Black Country	C&W	GBS
Mining, quarrying & utilities	1.52	1.15	0.72
Manufacturing	1.87	1.28	1.26
Construction	1.14	1.13	0.95
Motor trades	1.30	1.46	1.13
Wholesale	1.70	1.23	1.21
Transport & storage	1.08	1.29	0.96
Public administration & defence	0.86	0.83	1.17
Health	1.12	0.87	1.03

Sectors where specialisation was identified were examined in more detail overleaf.

Specialisation - Manufacturing

The greatest degree of specialisation across the LEP areas is in manufacturing. There are 60,000 more people employed in the sector than we would expect from a national average concentration. The three LEP areas account for 9% of Great Britain's manufacturing employment.

Closer analysis (as shown overleaf shows):

- There is a common specialisation across manufacture of fabricated metal products, machinery and equipment, plastic and rubber products and automotive manufacturing.
- The areas employs 25% of Great Britain's automotive manufacturing workforce
- The Black Country specialises in the manufacture of a number of products not shared by the C&W and GBS LEPs particularly basic metals, leather products, furniture and the repair of machinery and equipment

Specialisation - Manufacturing

Sector	Black Country	C&W	GBS
Manufacture of beverages	1.02	0.65	1.70
Manufacture of textiles	0.86	0.72	1.10
Manufacture of wearing apparel	1.61	0.52	0.55
Manufacture of leather and related products	4.27	0.17	0.41
Manufacture of wood and of products of wood and cork, except furniture;	1.34	0.76	0.82
Printing and reproduction of recorded media	0.85	0.61	1.11
Manufacture of chemicals and chemical products	1.30	0.37	0.49
Manufacture of rubber and plastic products	1.70	1.35	1.21
Manufacture of other non-metallic mineral products	0.98	1.87	1.11
Manufacture of basic metals	6.01	1.02	1.42
Manufacture of fabricated metal products, except machinery and equipment	4.58	1.65	1.93
Manufacture of electrical equipment	1.02	1.53	0.93
Manufacture of machinery and equipment n.e.c.	1.89	1.64	1.31
Manufacture of motor vehicles, trailers and semi-trailers	1.79	6.08	4.53
Manufacture of furniture	3.03	0.50	0.95
Other manufacturing	1.40	0.78	1.76
Repair and installation of machinery and equipment	2.14	0.65	0.86

Specialisation - Wholesale

Although not as pronounced as the specialisation in Manufacturing, Wholesale industries account for 23,000 more employees than would be expected from national average concentration

Closer analysis (as shown overleaf shows):

- Coventry and Warwickshire and GBS specialise across a broader range of wholesale sectors than the Black Country
- There is clear concentrations (sometimes shared between LEPs, sometimes not) of the wholesale of products likely to be used in the manufacturing industries. These include machine tools, metals, hardware supplies, wood and construction materials.

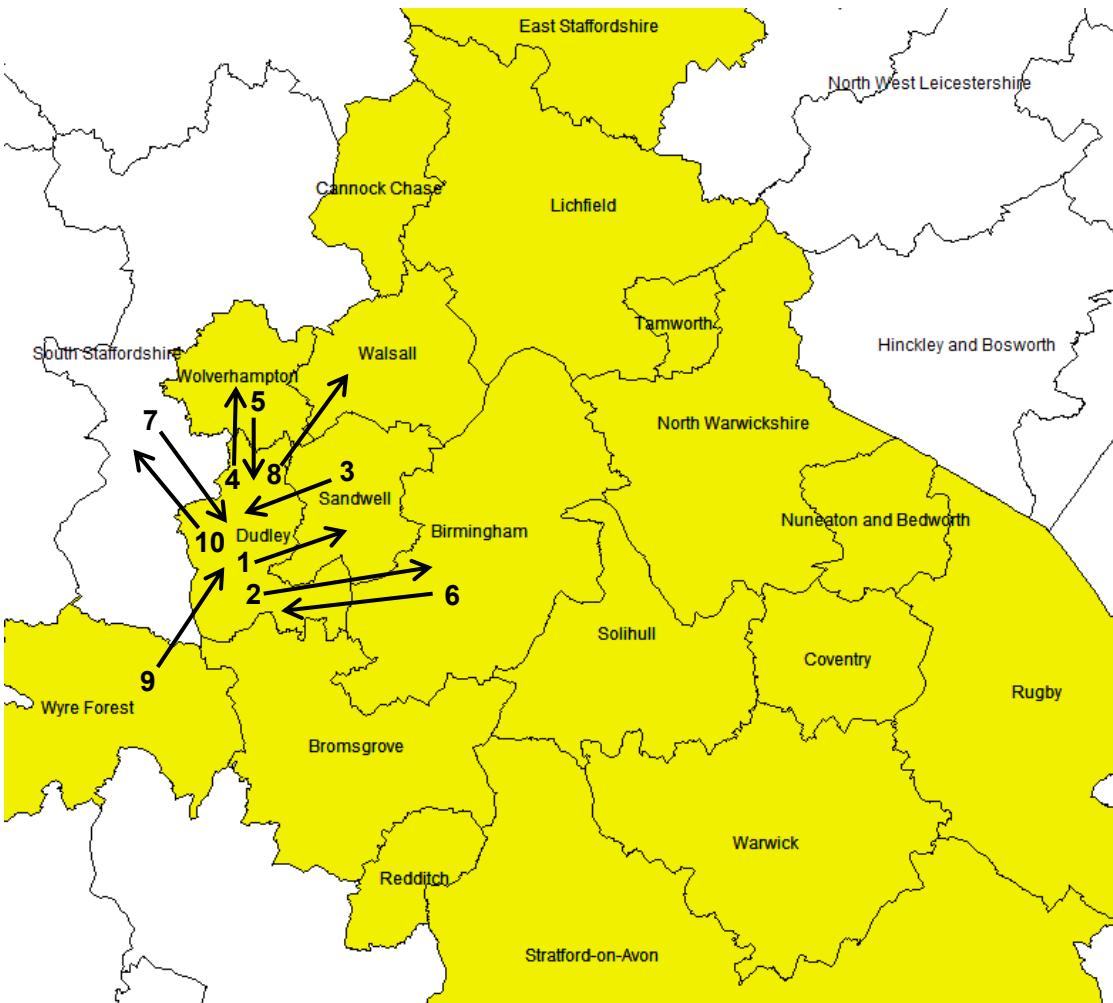
Specialisation - Wholesale

Industry	Black Country	C&W	GBS
4623 : Wholesale of live animals	0.21	1.77	0.24
4631 : Wholesale of fruit and vegetables	0.13	1.50	0.42
4633 : Wholesale of dairy products, eggs and edible oils and fats	1.71	0.28	0.19
4636 : Wholesale of sugar and chocolate and sugar confectionery	0.58	0.14	6.13
4639 : Non-specialised wholesale of food, beverages and tobacco	1.16	1.29	0.71
4643 : Wholesale of electrical household appliances	0.43	0.44	1.41
4644 : Wholesale of china and glassware and cleaning materials	0.17	2.13	0.40
4647 : Wholesale of furniture, carpets and lighting equipment	1.23	2.28	1.00
4648 : Wholesale of watches and jewellery	0.16	0.08	1.47
4651 : Wholesale of computers, computer peripheral equipment and software	0.05	0.16	1.62
4652 : Wholesale of electronic and telecommunications equipment and parts	0.33	1.67	0.61
4661 : Wholesale of agricultural machinery, equipment and supplies	0.28	2.18	0.26
4662 : Wholesale of machine tools	2.36	4.58	1.30
4663 : Wholesale of mining, construction and civil engineering machinery	1.09	1.26	4.74
4666 : Wholesale of other office machinery and equipment	0.62	0.43	1.25
4671 : Wholesale of solid, liquid and gaseous fuels and related products	0.53	2.29	0.49
4672 : Wholesale of metals and metal ores	7.33	1.14	2.44
4673 : Wholesale of wood, construction materials and sanitary equipment	1.41	1.43	1.16
4674 : Wholesale of hardware, plumbing and heating equipment and supplies	2.43	2.51	1.62
4676 : Wholesale of other intermediate products	1.52	1.44	1.24
4677 : Wholesale of waste and scrap	4.72	1.03	1.09
4690 : Non-specialised wholesale trade	0.99	0.99	1.25

Appendix 1: Travel to Work flows

Travel to Work Flows - Dudley

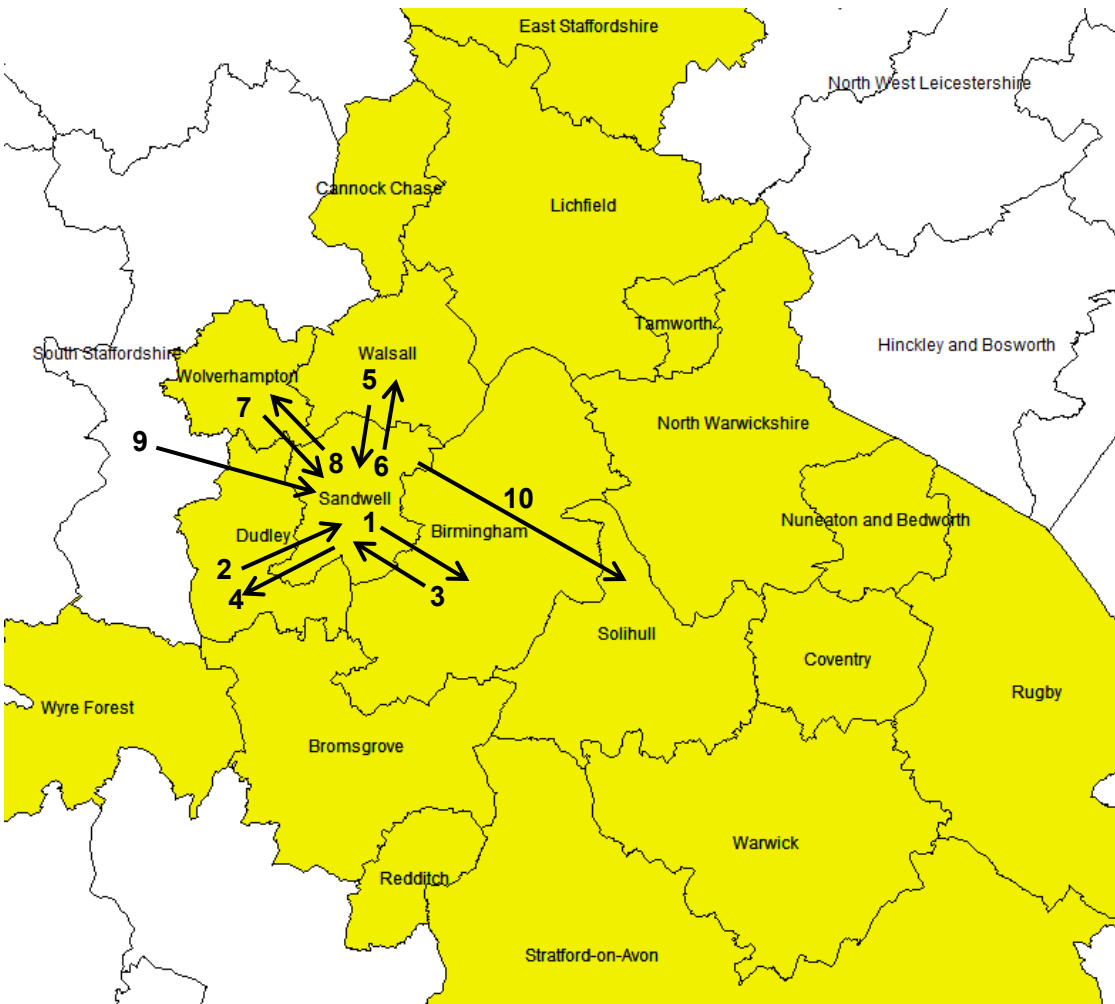
We examined the 10 largest travel to work flows in or out of the authority which are shown on the map opposite:



No	Volume of Commuters
1	16,877
2	14,057
3	11,739
4	7,757
5	5,249
6	4,547
7	3,736
8	2,638
9	2,473
10	2,333

Travel to Work Flows - Sandwell

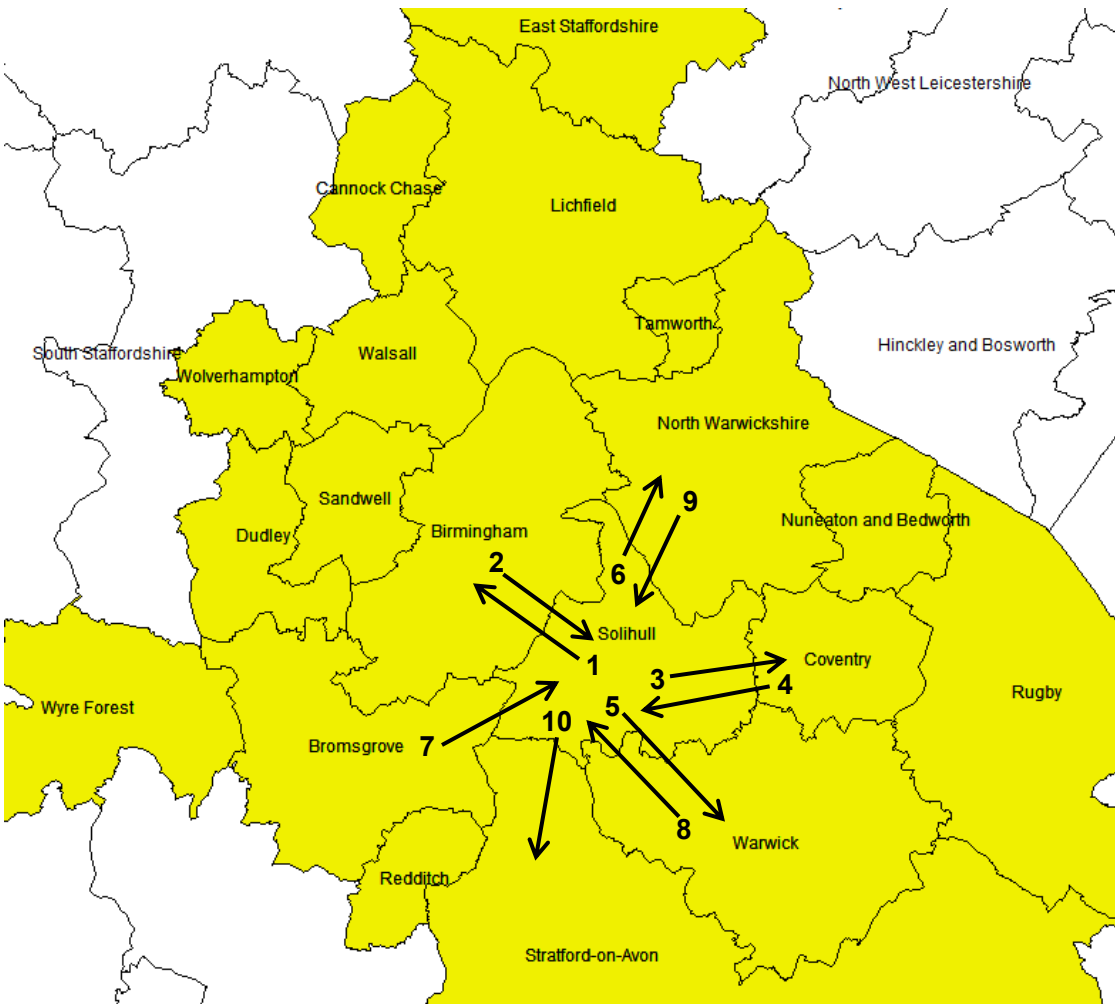
We examined the 10 largest travel to work flows in or out of the authority which are shown on the map opposite:



No	Volume of Commuters
1	28,088
2	16,877
3	13,661
4	11,739
5	8,679
6	6,843
7	6,133
8	3,780
9	1,894
10	1,511

Travel to Work Flows - Solihull

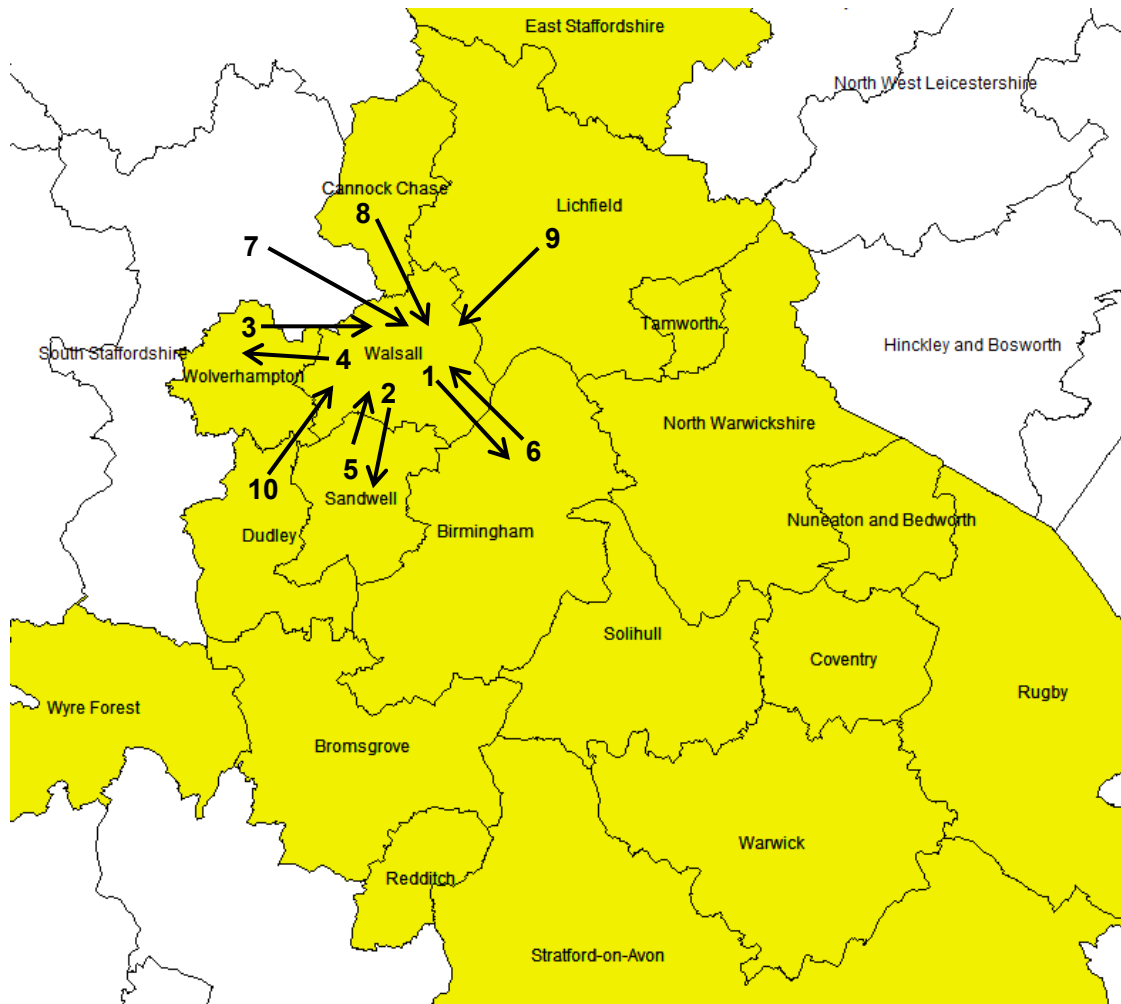
We examined the 10 largest travel to work flows in or out of the authority which are shown on the map opposite:



No	Volume of Commuters
1	29,458
2	26,479
3	3,654
4	3,072
5	2,327
6	2,301
7	1,896
8	1,800
9	1,697
10	1,612

Travel to Work Flows - Walsall

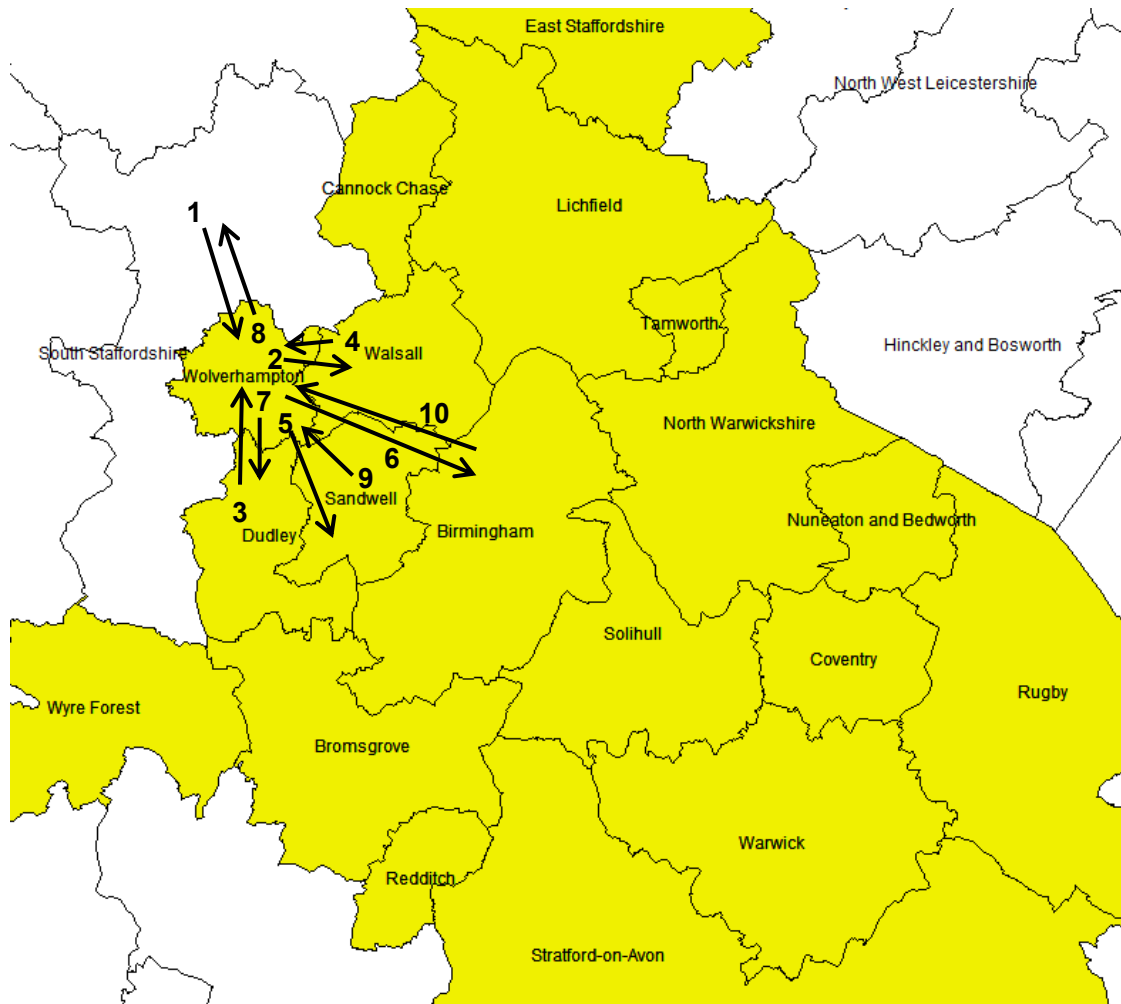
We examined the 10 largest travel to work flows in or out of the authority which are shown on the map opposite:



No	Volume of Commuters
1	16,037
2	8,679
3	8,052
4	7,700
5	6,843
6	5,872
7	3,876
8	3,855
9	3,197
10	2,638

Travel to Work Flows - Wolverhampton

We examined the 10 largest travel to work flows between the authority which are shown on the map opposite:



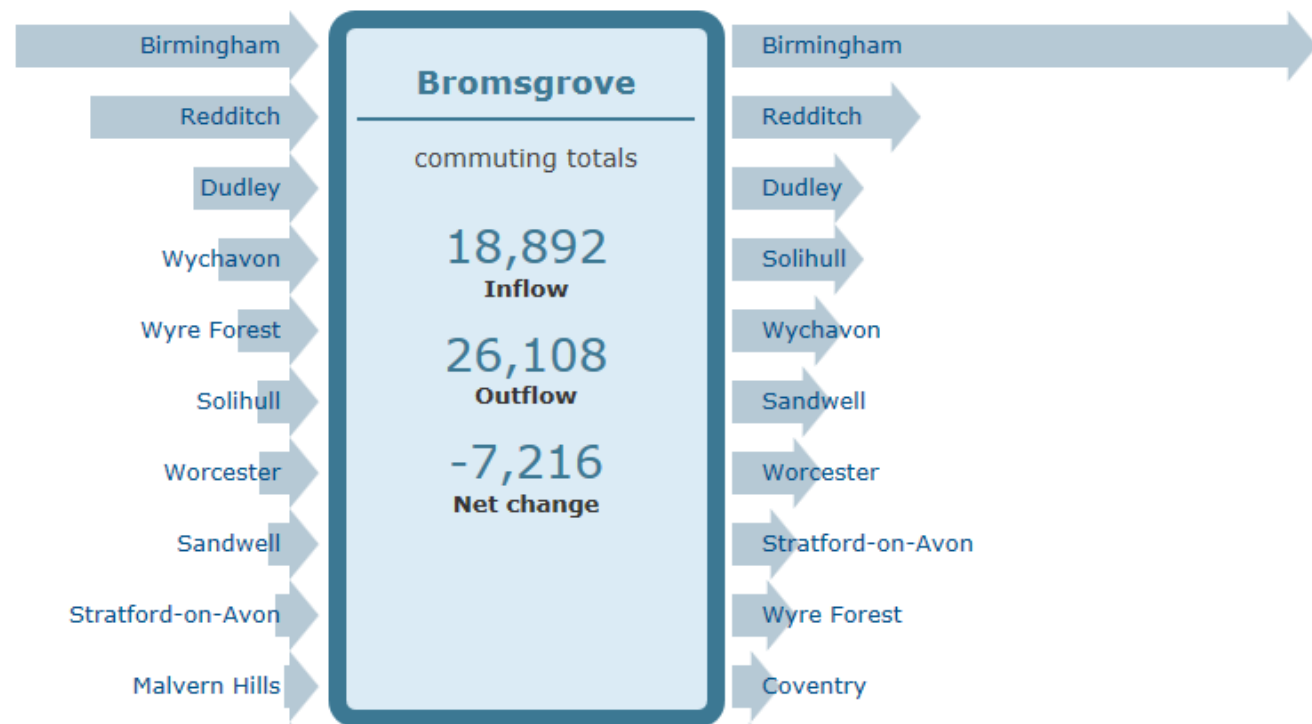
No	Volume of Commuters
1	10,381
2	8,052
3	7,757
4	7,700
5	6,133
6	5,842
7	5,249
8	4,448
9	3,780
10	2,760

Travel to Work Flows - Bromsgrove

Top inflows

Aged 16 and over

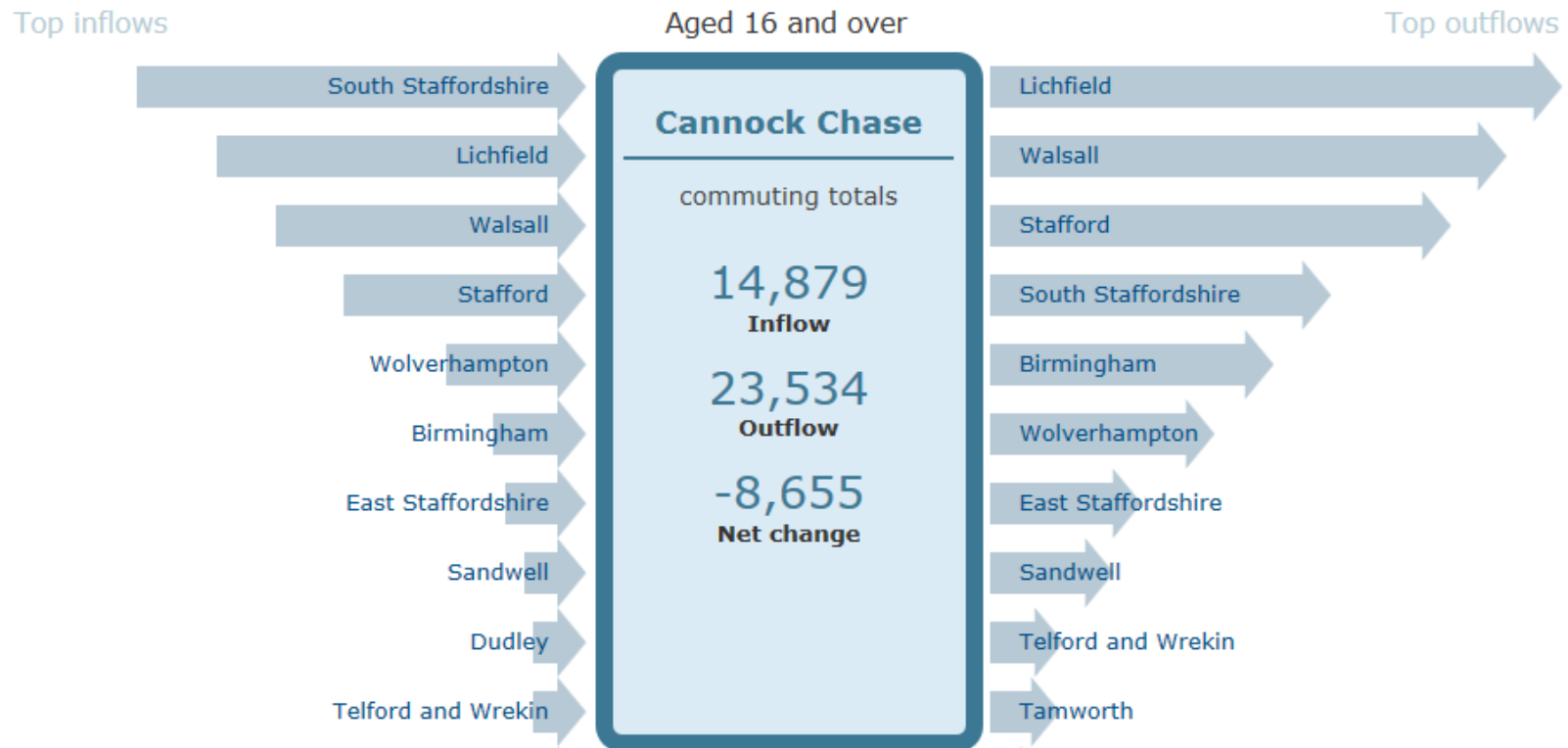
Top outflows



Commuting totals for Bromsgrove:

- Inflow: **18,892** aged 16 and over commute into Bromsgrove from other local authorities in the UK.
- Outflow: **26,108** aged 16 and over commute out of Bromsgrove to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population decrease of **7,216** aged 16 and over in Bromsgrove.

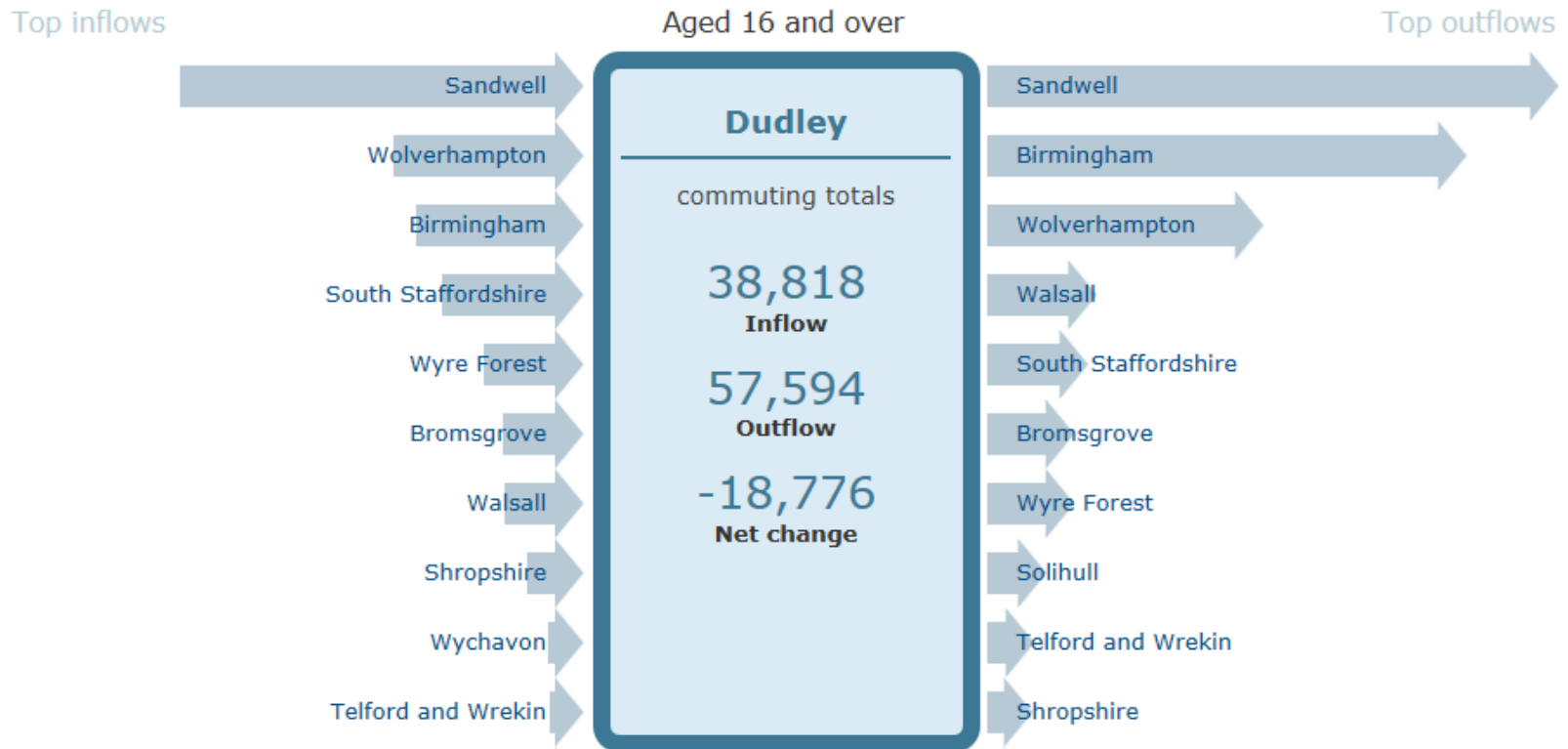
Travel to Work Flows – Cannock Chase



Commuting totals for Cannock Chase:

- Inflow: **14,879** aged 16 and over commute into Cannock Chase from other local authorities in the UK.
- Outflow: **23,534** aged 16 and over commute out of Cannock Chase to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population decrease of **8,655** aged 16 and over in Cannock Chase.

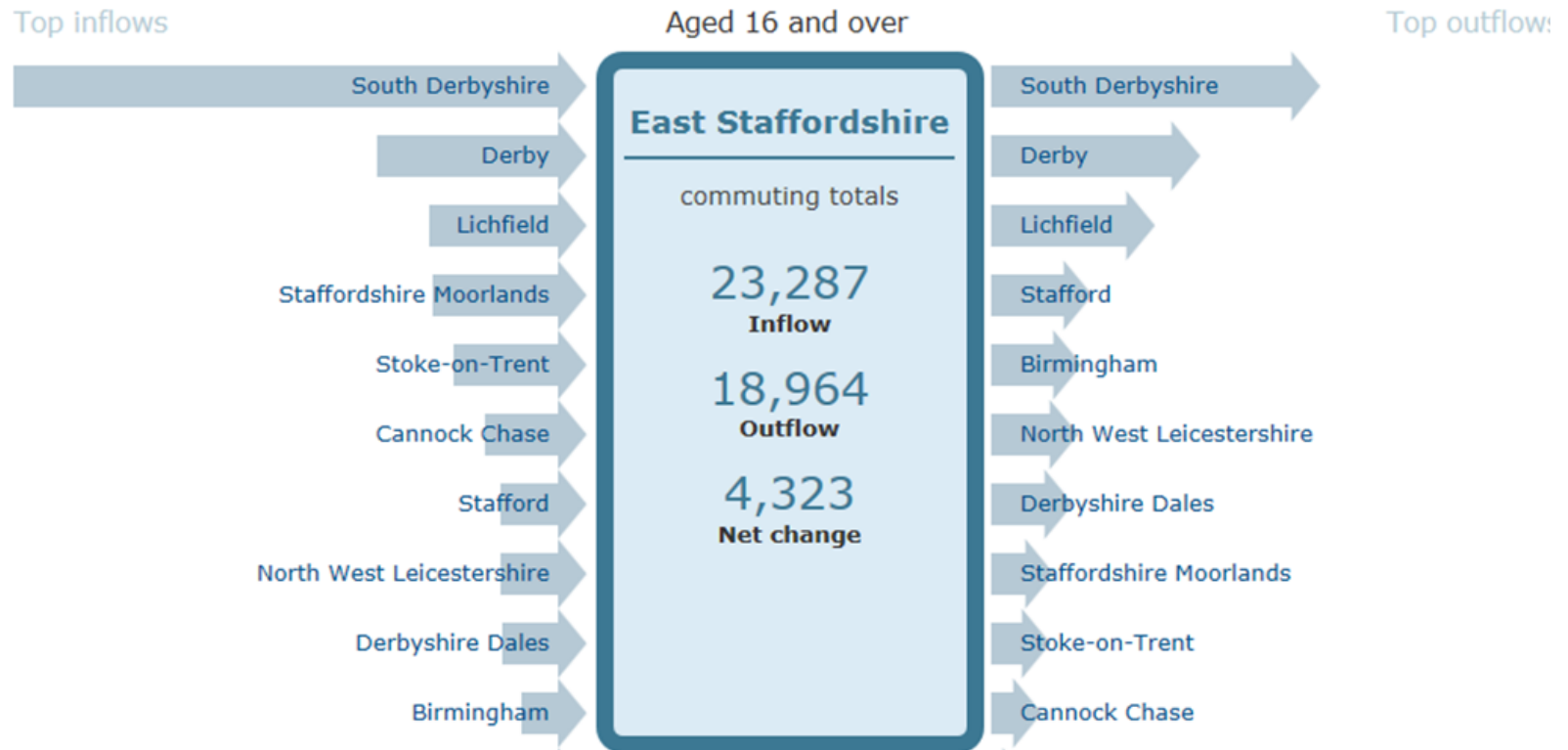
Travel to Work Flows - Dudley



Commuting totals for Dudley:

- Inflow: **38,818** aged 16 and over commute into Dudley from other local authorities in the UK.
- Outflow: **57,594** aged 16 and over commute out of Dudley to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population decrease of **18,776** aged 16 and over in Dudley.

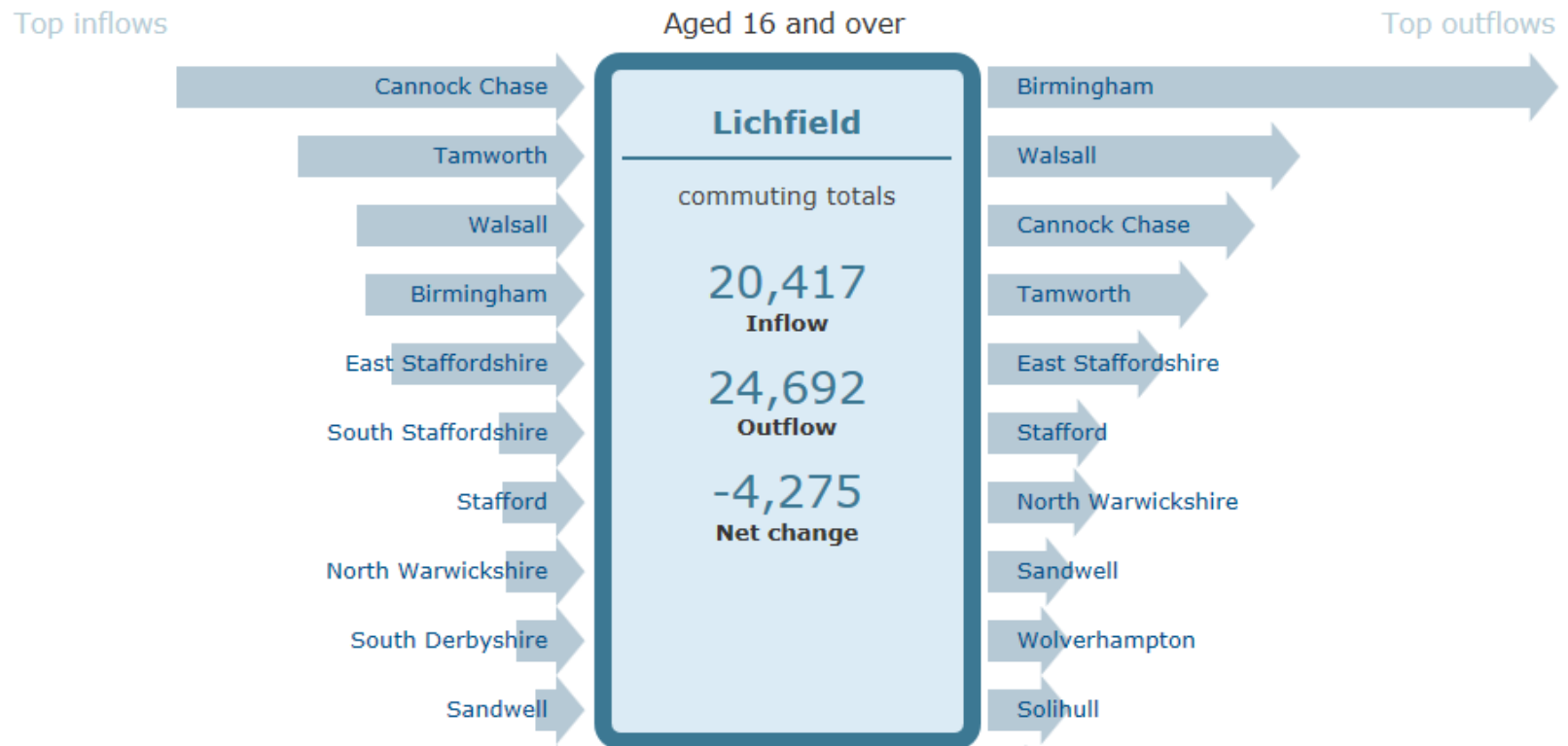
Travel to Work Flows – East Staffordshire



Commuting totals for East Staffordshire:

- Inflow: **23,287** aged 16 and over commute into East Staffordshire from other local authorities in the UK.
- Outflow: **18,964** aged 16 and over commute out of East Staffordshire to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population increase of **4,323** aged 16 and over in East Staffordshire.

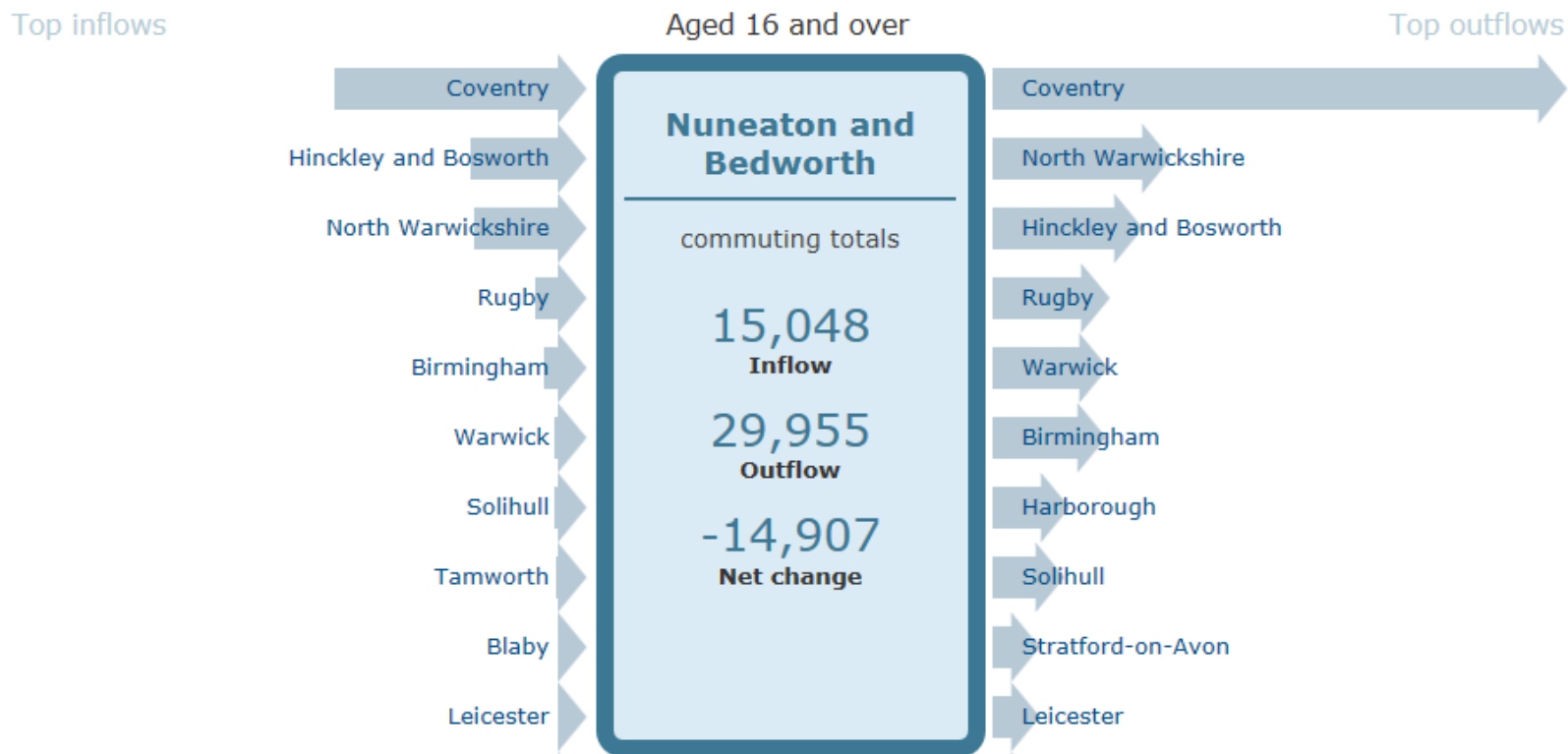
Travel to Work Flows - Lichfield



Commuting totals for Lichfield:

- Inflow: **20,417** aged 16 and over commute into Lichfield from other local authorities in the UK.
- Outflow: **24,692** aged 16 and over commute out of Lichfield to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population decrease of **4,275** aged 16 and over in Lichfield.

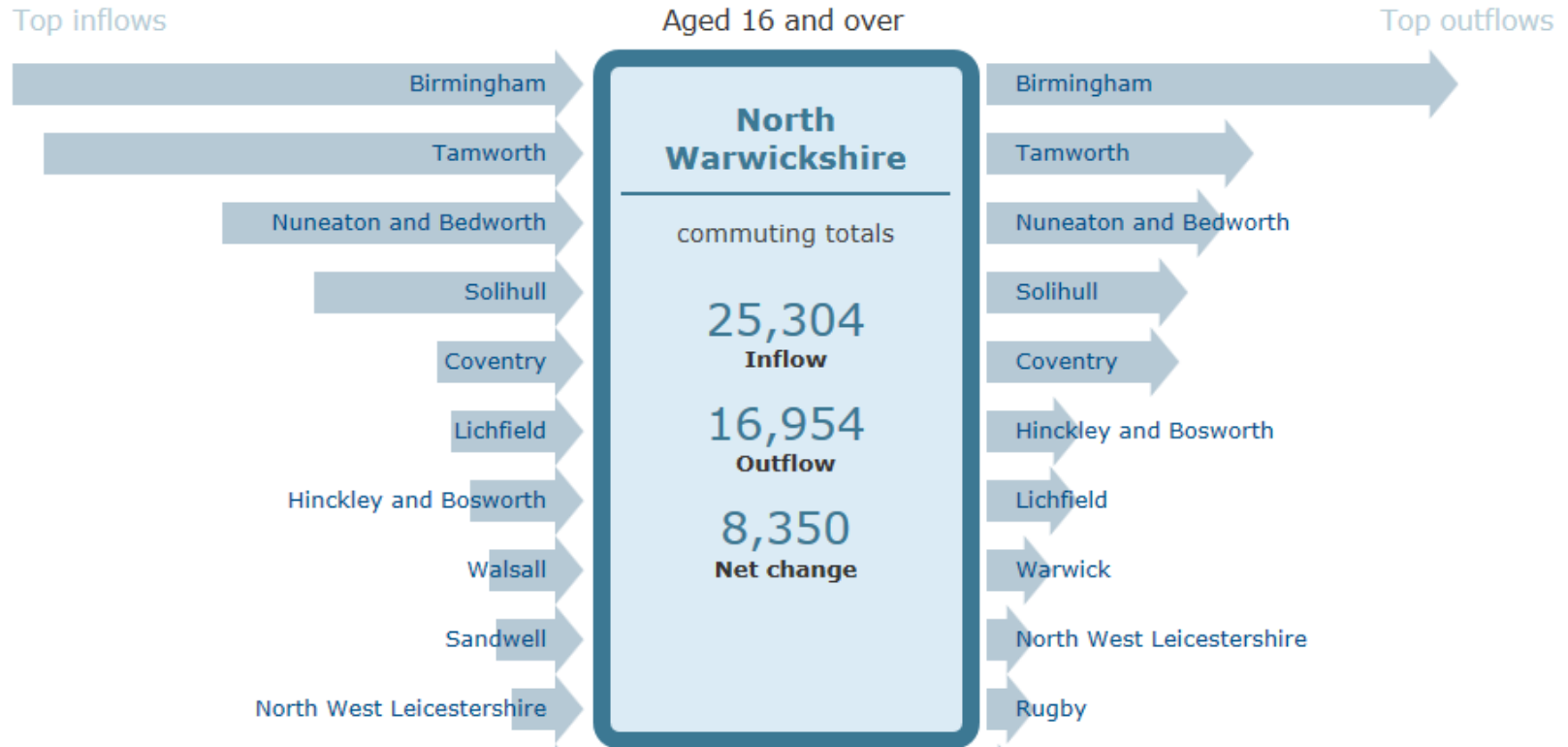
Travel to Work Flows – Nuneaton & Bedworth



Commuting totals for Nuneaton and Bedworth:

- Inflow: **15,048** aged 16 and over commute into Nuneaton and Bedworth from other local authorities in the UK.
- Outflow: **29,955** aged 16 and over commute out of Nuneaton and Bedworth to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population decrease of **14,907** aged 16 and over in Nuneaton and Bedworth.

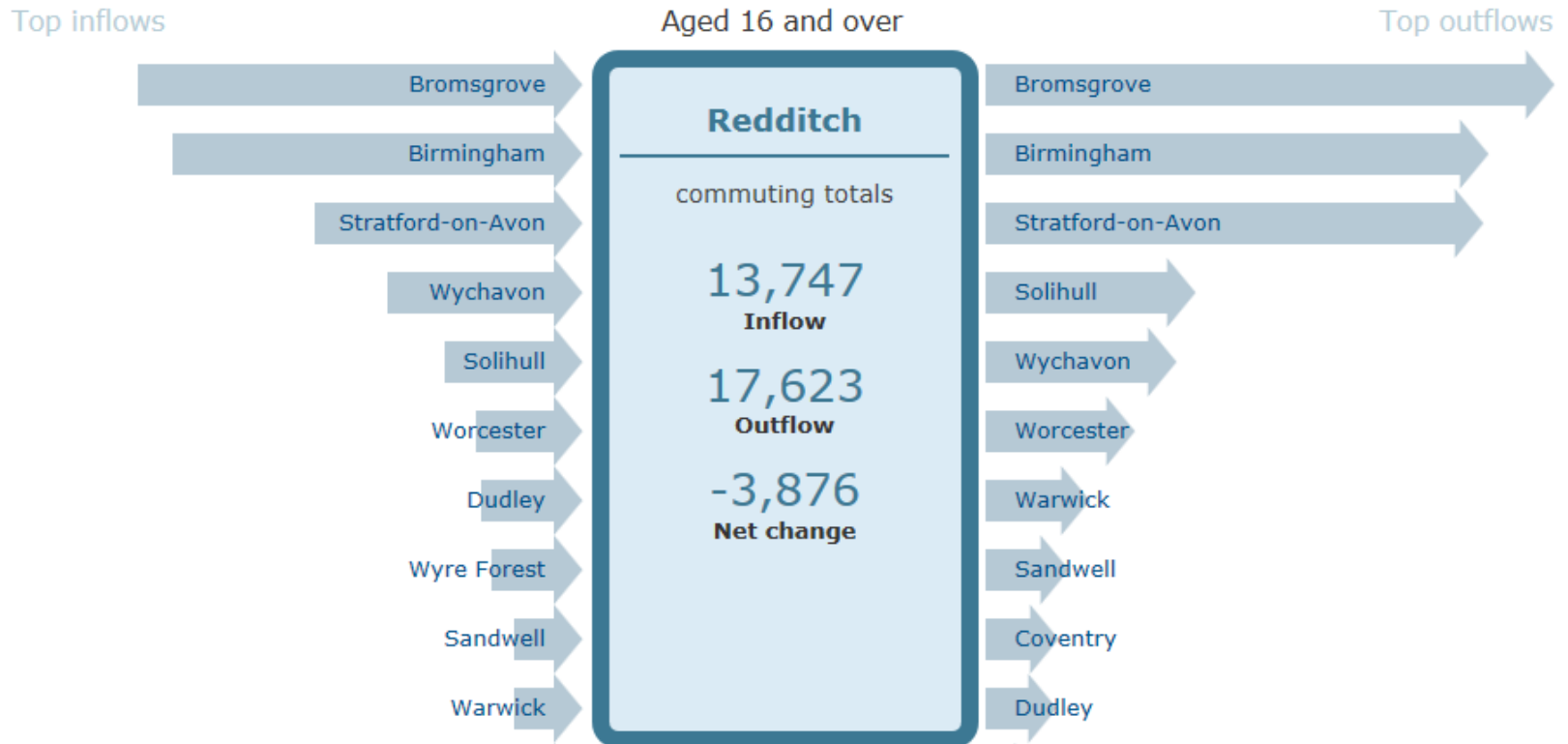
Travel to Work Flows – North Warwickshire



Commuting totals for North Warwickshire:

- Inflow: **25,304** aged 16 and over commute into North Warwickshire from other local authorities in the UK.
- Outflow: **16,954** aged 16 and over commute out of North Warwickshire to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population increase of **8,350** aged 16 and over in North Warwickshire.

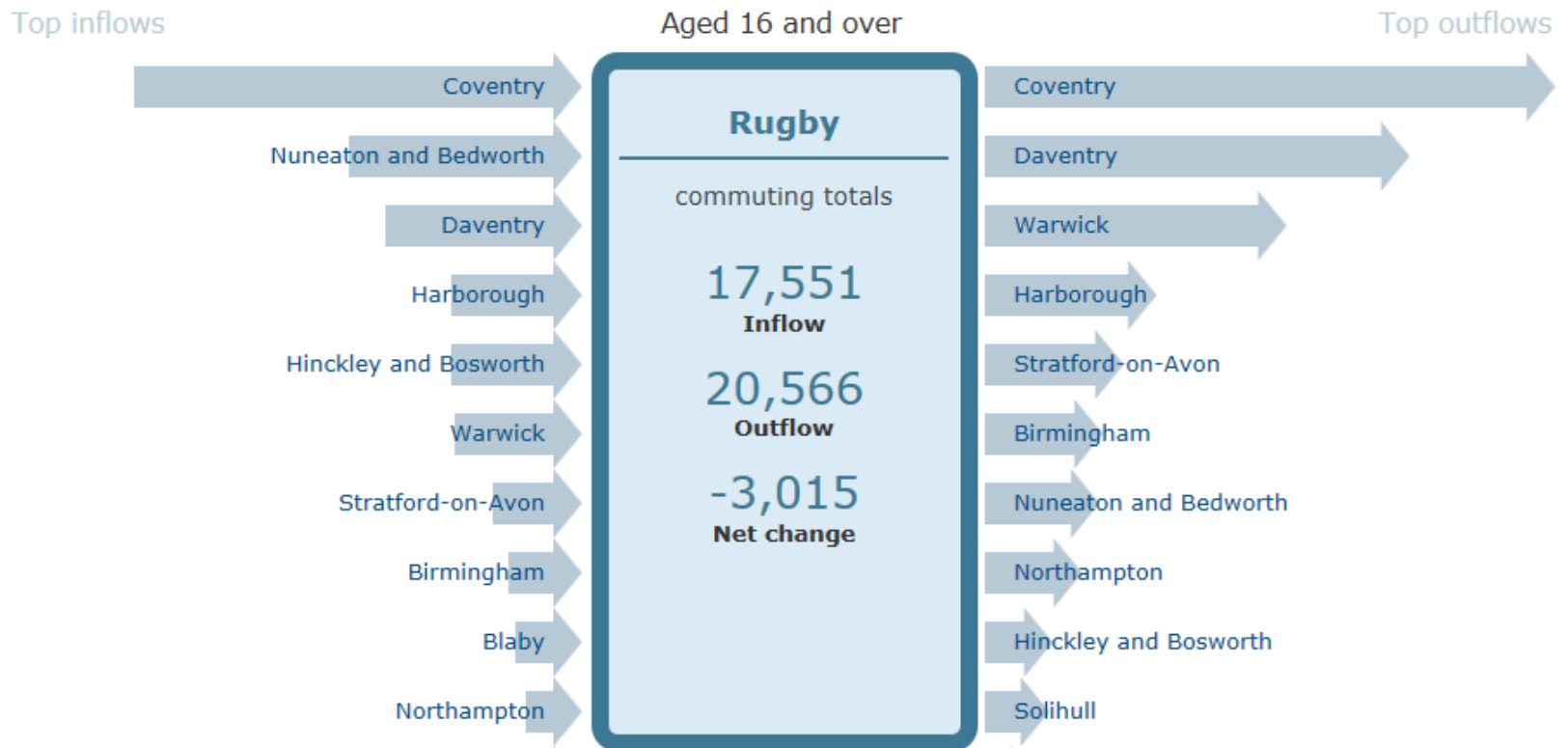
Travel to Work Flows - Redditch



Commuting totals for Redditch:

- Inflow: **13,747** aged 16 and over commute into Redditch from other local authorities in the UK.
- Outflow: **17,623** aged 16 and over commute out of Redditch to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population decrease of **3,876** aged 16 and over in Redditch.

Travel to Work Flows - Rugby



Commuting totals for Rugby:

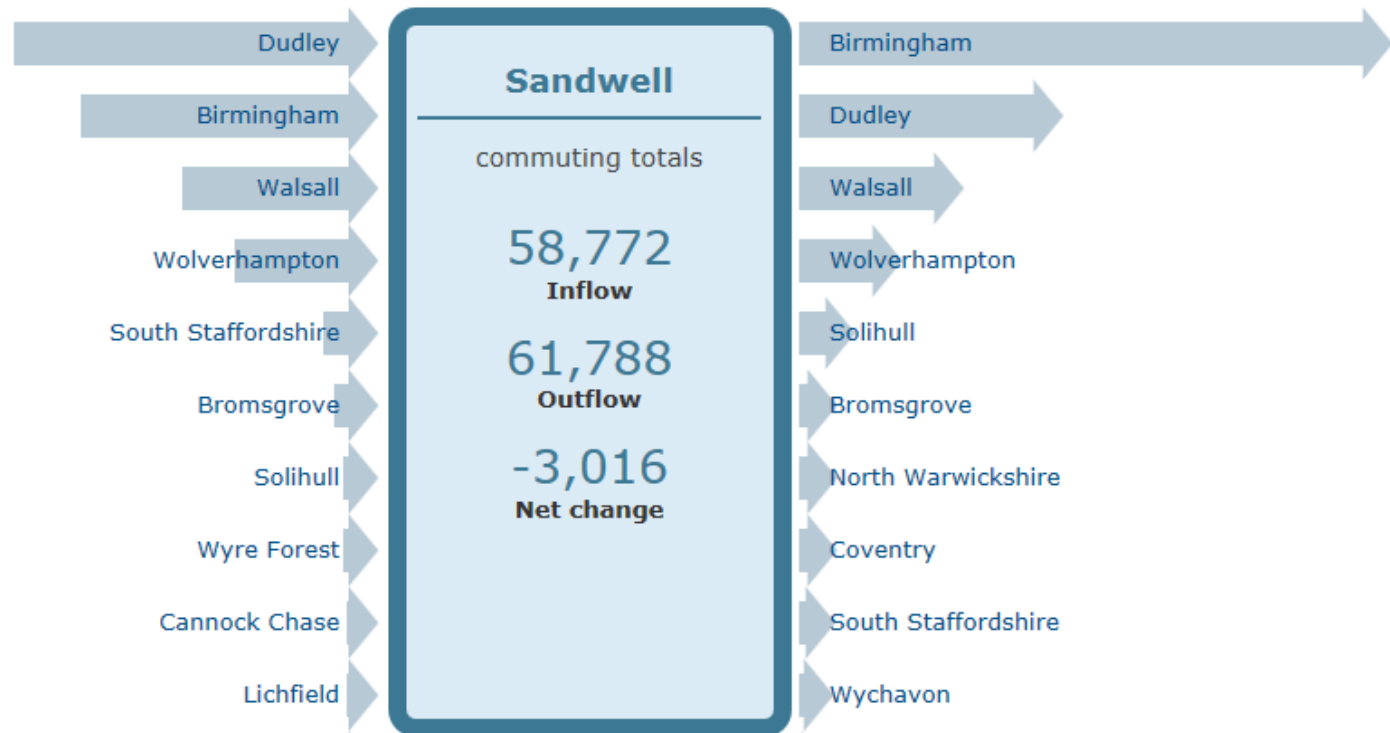
- Inflow: **17,551** aged 16 and over commute into Rugby from other local authorities in the UK.
- Outflow: **20,566** aged 16 and over commute out of Rugby to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population decrease of **3,015** aged 16 and over in Rugby.

Travel to Work Flows - Sandwell

Top inflows

Aged 16 and over

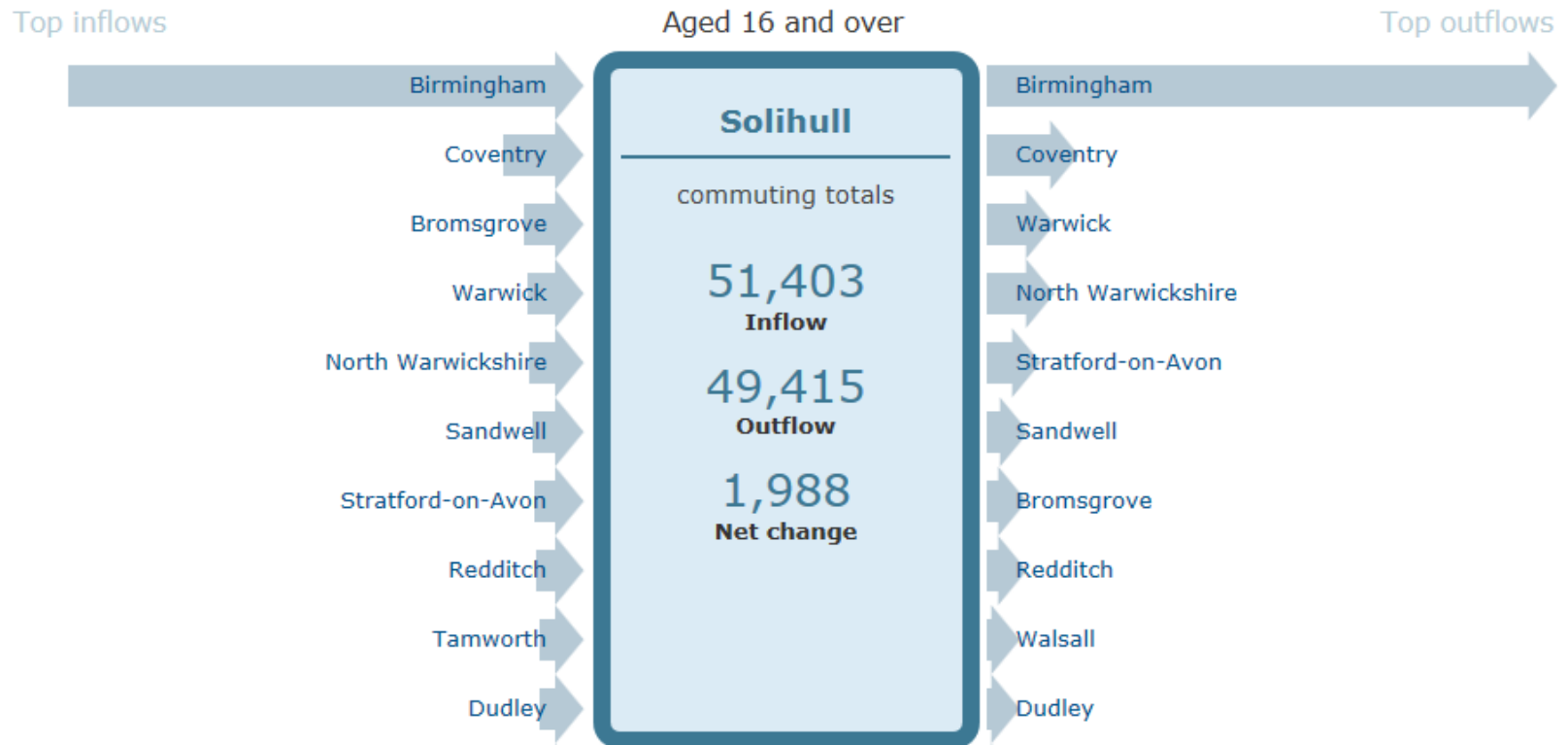
Top outflows



Commuting totals for Sandwell:

- Inflow: **58,772** aged 16 and over commute into Sandwell from other local authorities in the UK.
- Outflow: **61,788** aged 16 and over commute out of Sandwell to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population decrease of **3,016** aged 16 and over in Sandwell.

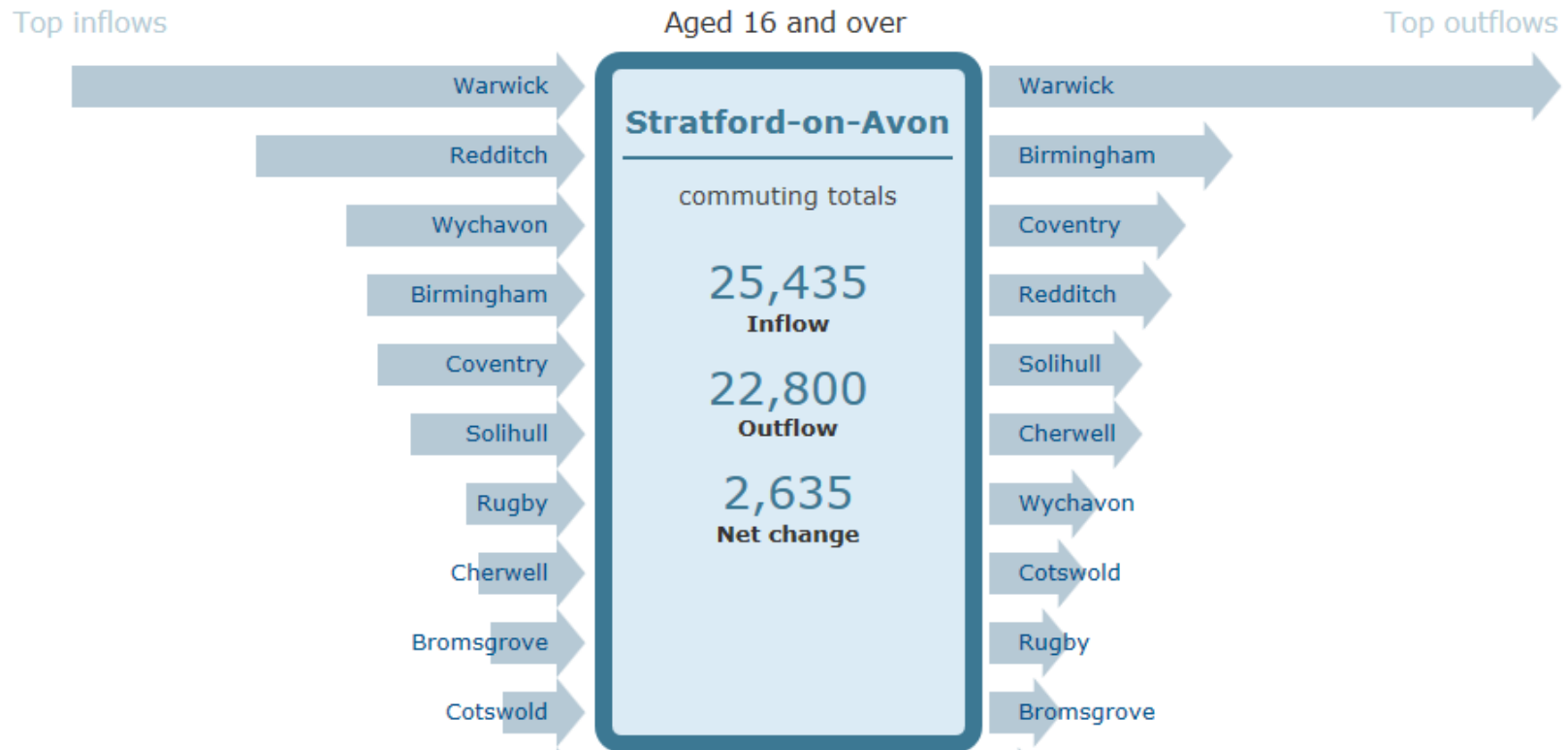
Travel to Work Flows - Solihull



Commuting totals for Solihull:

- Inflow: **51,403** aged 16 and over commute into Solihull from other local authorities in the UK.
- Outflow: **49,415** aged 16 and over commute out of Solihull to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population increase of **1,988** aged 16 and over in Solihull.

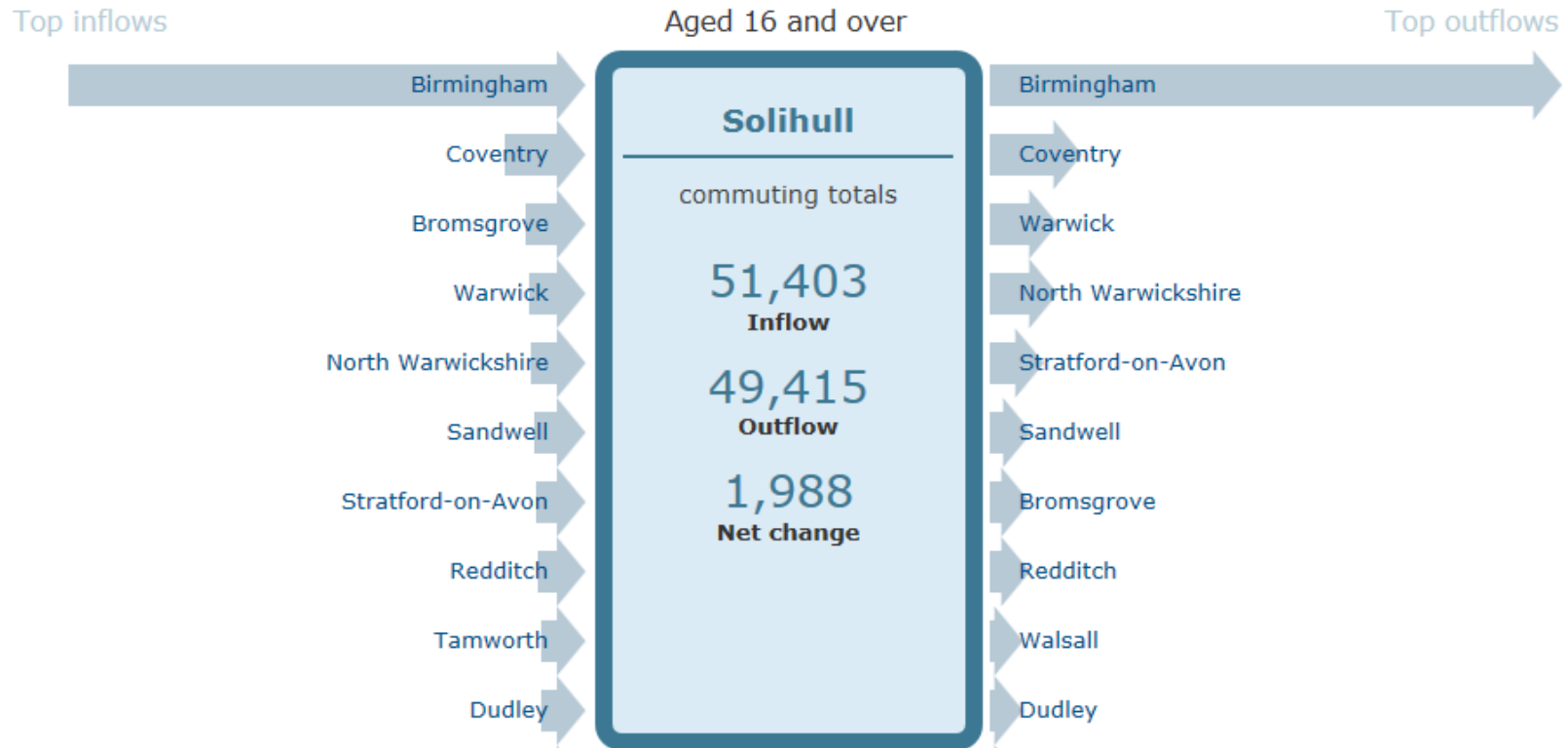
Travel to Work Flows – Stratford-on-Avon



Commuting totals for Stratford-on-Avon:

- Inflow: **25,435** aged 16 and over commute into Stratford-on-Avon from other local authorities in the UK.
- Outflow: **22,800** aged 16 and over commute out of Stratford-on-Avon to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population increase of **2,635** aged 16 and over in Stratford-on-Avon.

Travel to Work Flows - Tamworth



Commuting totals for Solihull:

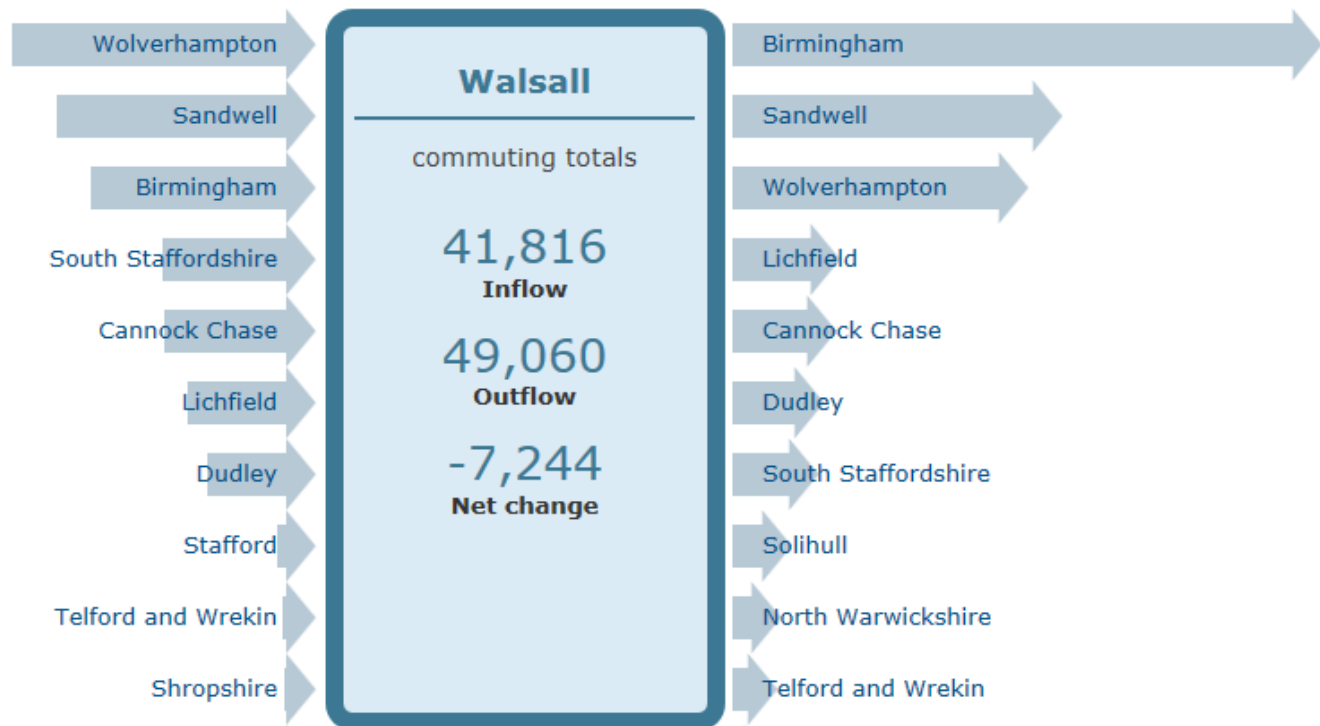
- Inflow: **51,403** aged 16 and over commute into Solihull from other local authorities in the UK.
- Outflow: **49,415** aged 16 and over commute out of Solihull to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population increase of **1,988** aged 16 and over in Solihull.

Travel to Work Flows - Walsall

Top inflows

Aged 16 and over

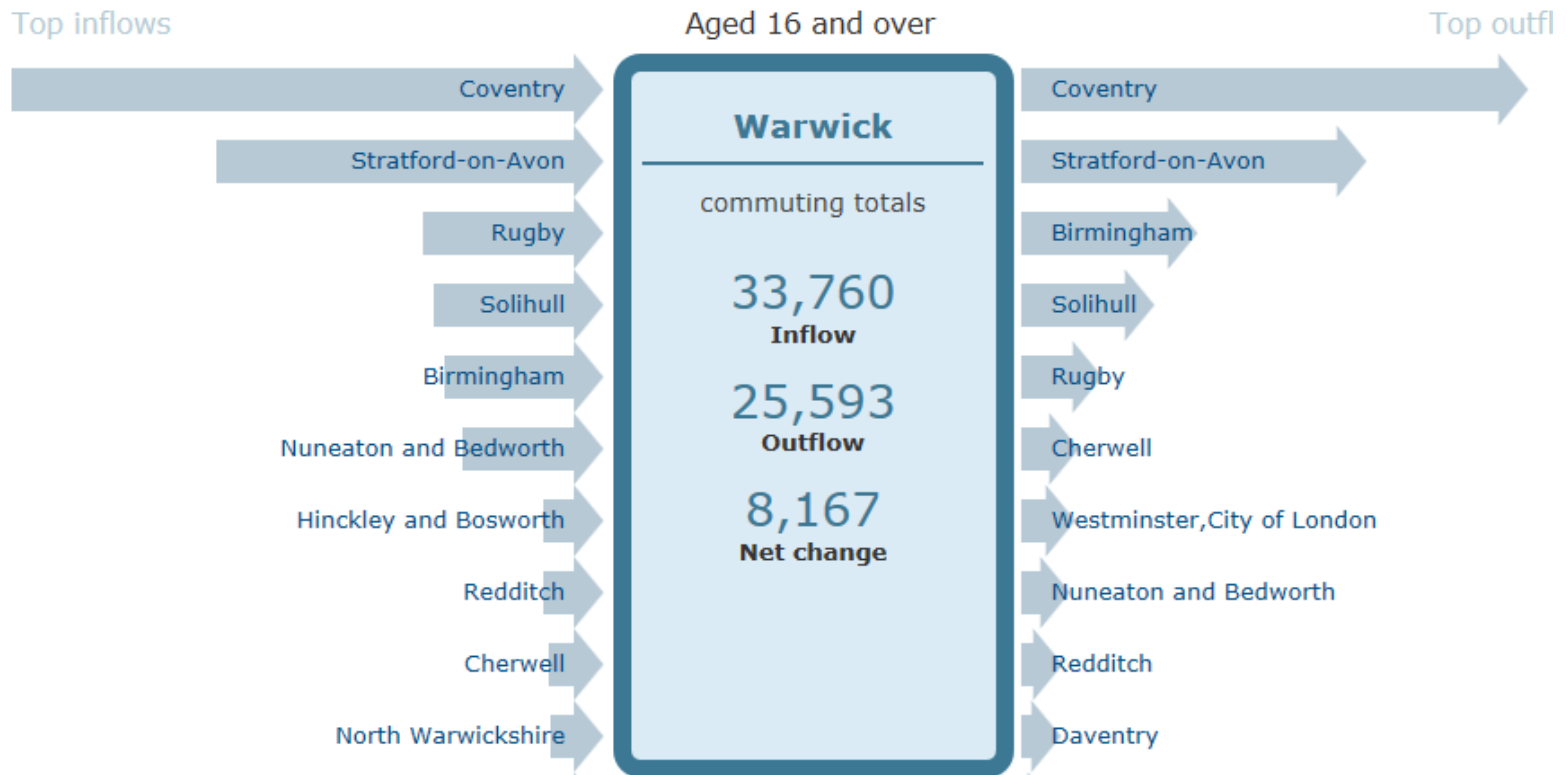
Top outflows



Commuting totals for Walsall:

- Inflow: **41,816** aged 16 and over commute into Walsall from other local authorities in the UK.
- Outflow: **49,060** aged 16 and over commute out of Walsall to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population decrease of **7,244** aged 16 and over in Walsall.

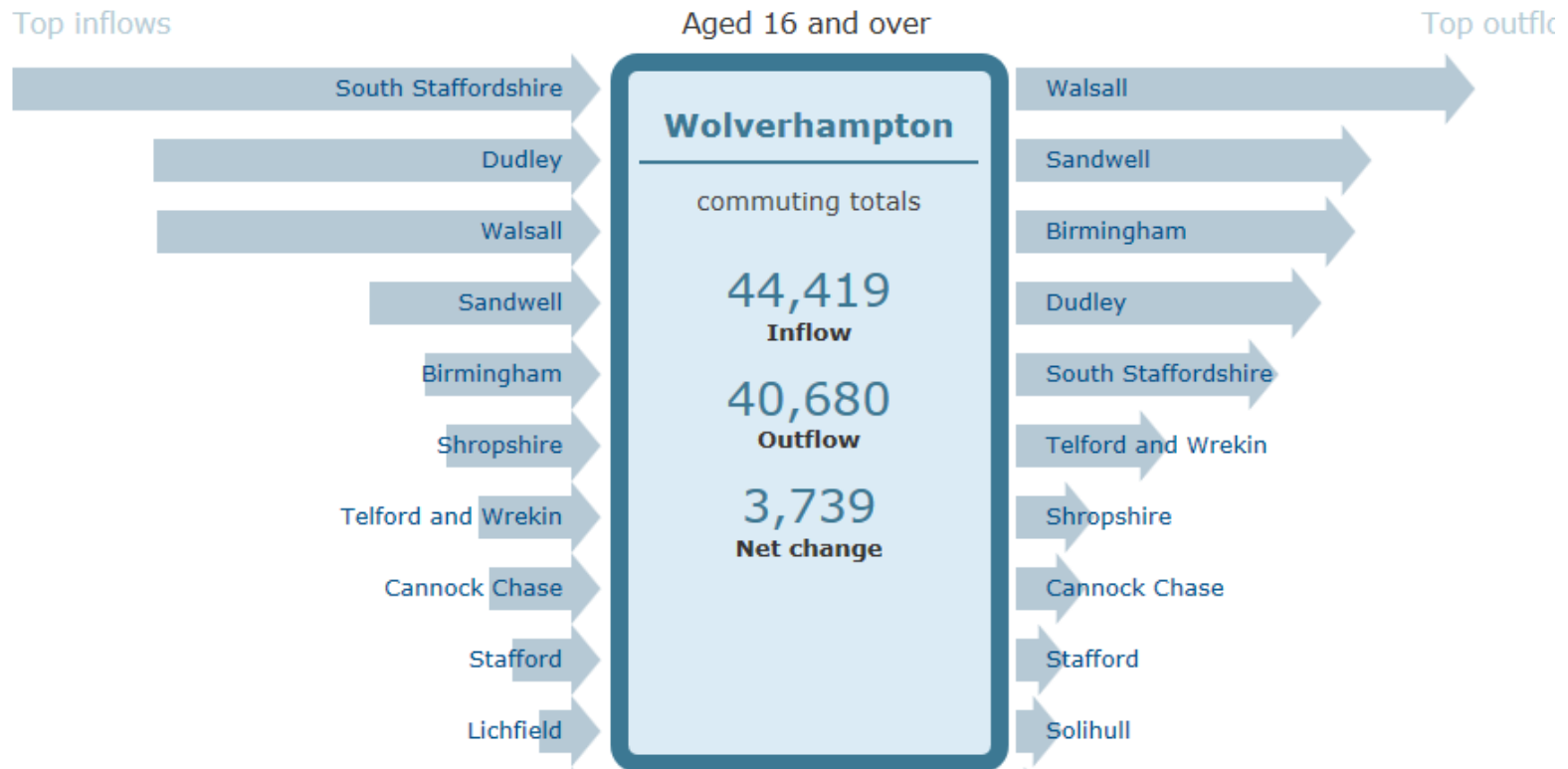
Travel to Work Flows - Warwick



Commuting totals for Warwick:

- Inflow: **33,760** aged 16 and over commute into Warwick from other local authorities in the UK.
- Outflow: **25,593** aged 16 and over commute out of Warwick to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population increase of **8,167** aged 16 and over in Warwick.

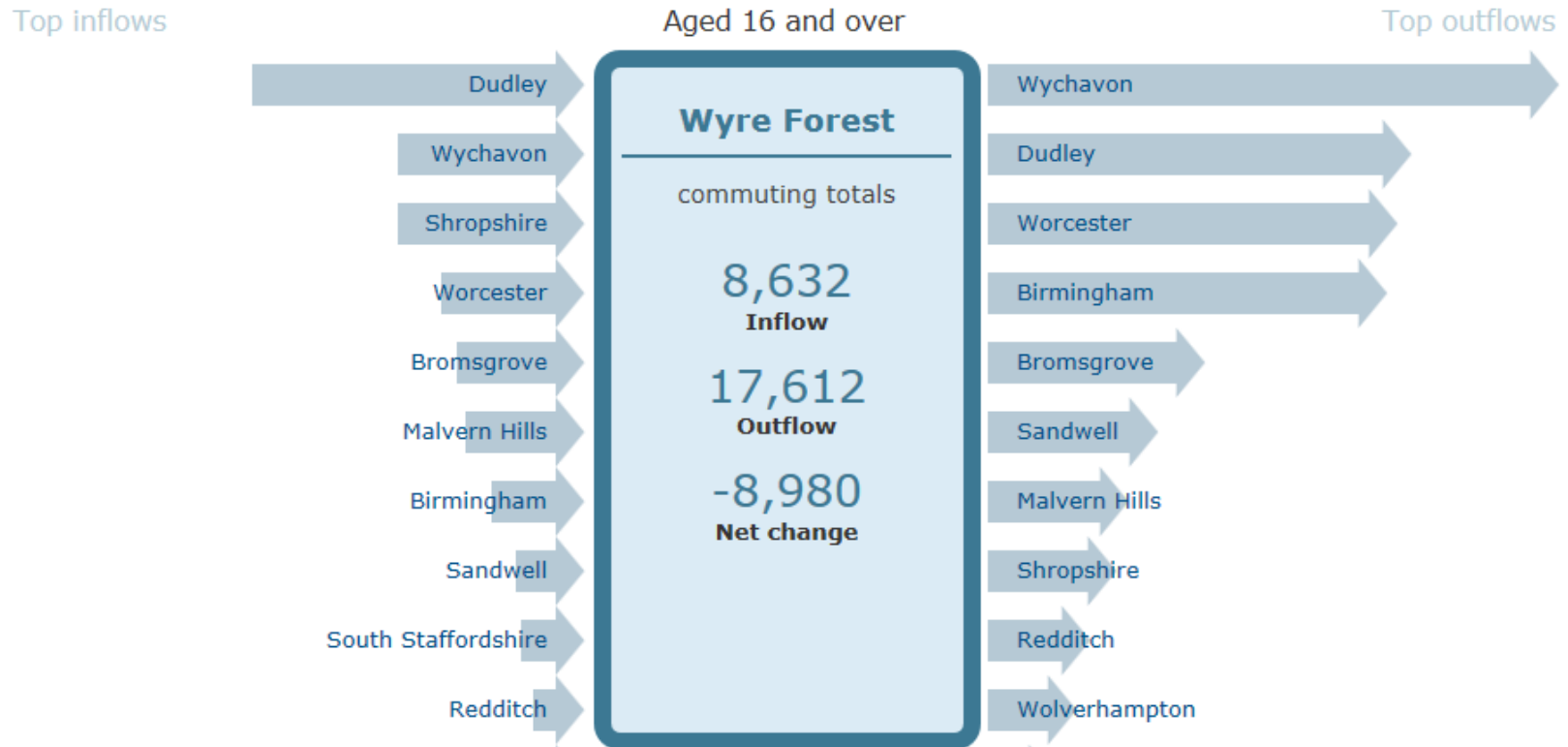
Travel to Work Flows - Wolverhampton



Commuting totals for Wolverhampton:

- Inflow: **44,419** aged 16 and over commute into Wolverhampton from other local authorities in the UK.
- Outflow: **40,680** aged 16 and over commute out of Wolverhampton to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population increase of **3,739** aged 16 and over in Wolverhampton.

Travel to Work Flows – Wyre Forest



Commuting totals for Wyre Forest:

- Inflow: **8,632** aged 16 and over commute into Wyre Forest from other local authorities in the UK.
- Outflow: **17,612** aged 16 and over commute out of Wyre Forest to other local authorities in the UK or abroad.
- Net change: Overall, commuting results in a population decrease of **8,980** aged 16 and over in Wyre Forest.

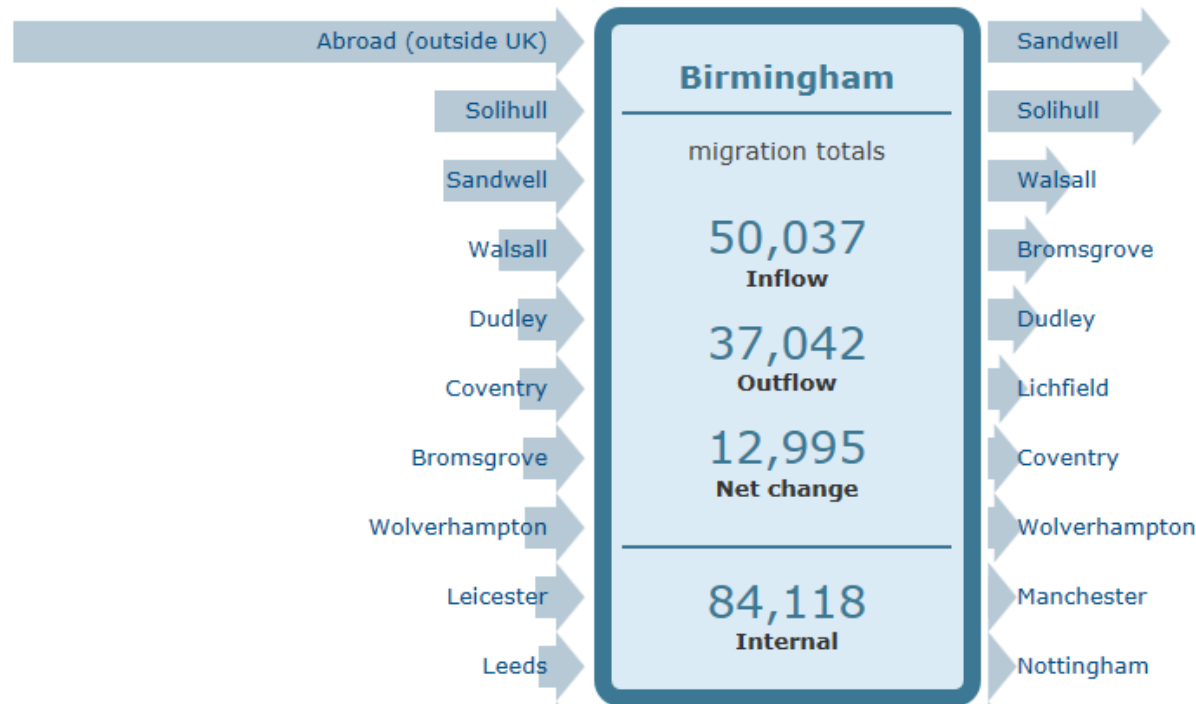
Appendix 2: Migration flows

Migration - Birmingham

Top inflows

All persons aged 1 and over

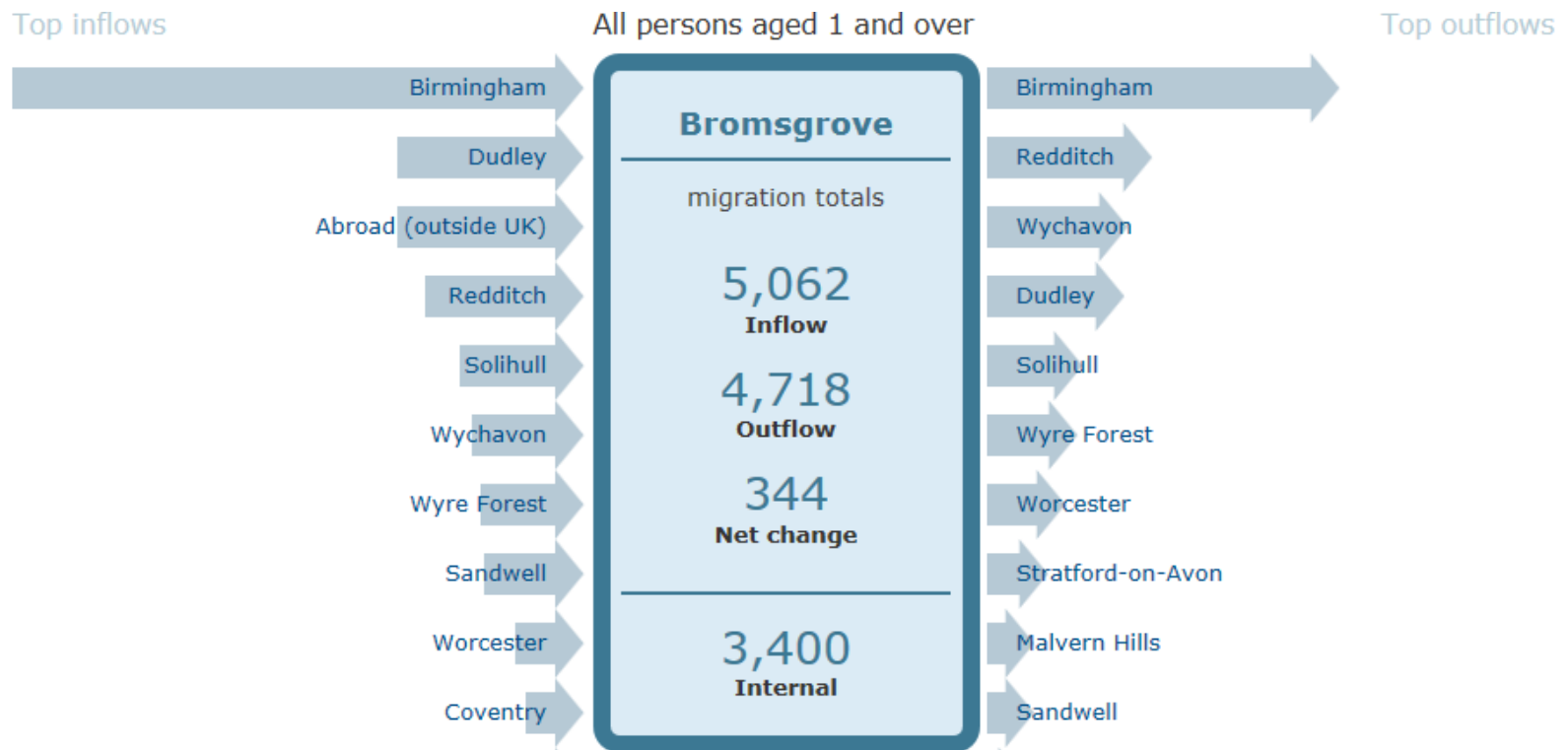
Top outflows



Migrations for Birmingham with all areas:

- Inflow: **50,037** persons aged 1 and over moved into Birmingham from other areas.
- Outflow: **37,042** persons aged 1 and over moved out of Birmingham.
- Net change: Overall, migration resulted in **12,995** more persons aged 1 and over in Birmingham.
- Internal: In addition, **84,118** persons aged 1 and over moved within Birmingham.

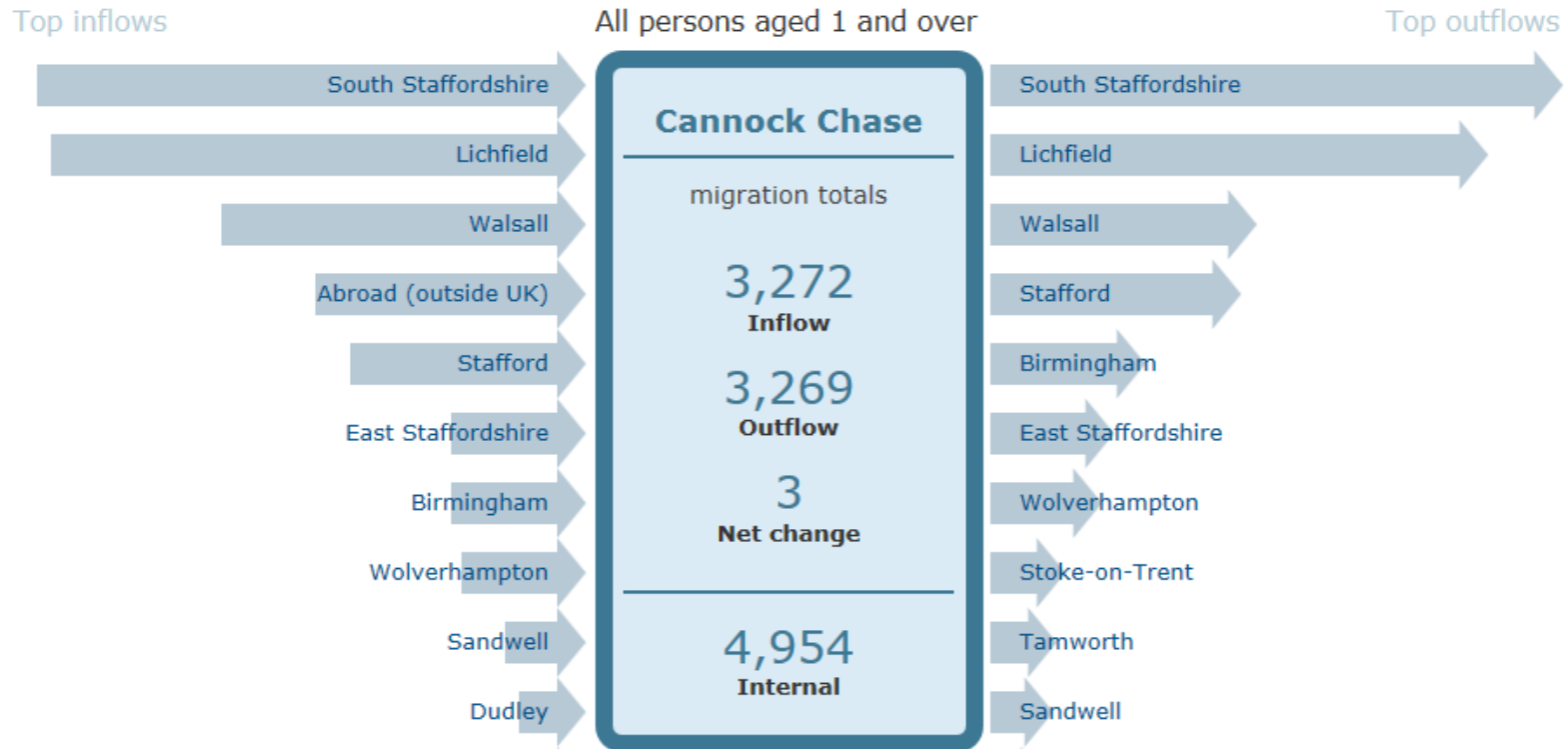
Migration - Bromsgrove



Migrations for Bromsgrove with all areas:

- Inflow: **5,062** persons aged 1 and over moved into Bromsgrove from other areas.
- Outflow: **4,718** persons aged 1 and over moved out of Bromsgrove.
- Net change: Overall, migration resulted in **344** more persons aged 1 and over in Bromsgrove.
- Internal: In addition, **3,400** persons aged 1 and over moved within Bromsgrove.

Migration– Cannock Chase



Migrations for Cannock Chase with all areas:

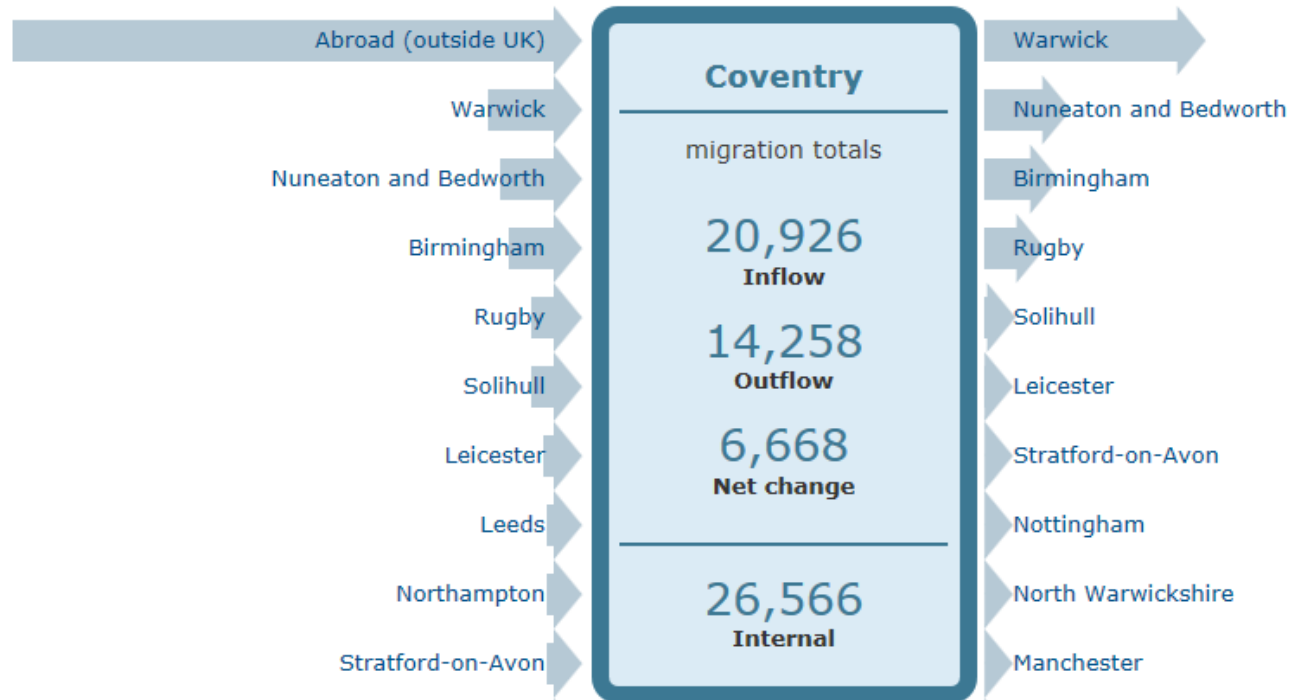
- Inflow: **3,272** persons aged 1 and over moved into Cannock Chase from other areas.
- Outflow: **3,269** persons aged 1 and over moved out of Cannock Chase.
- Net change: Overall, migration resulted in **3** more persons aged 1 and over in Cannock Chase.
- Internal: In addition, **4,954** persons aged 1 and over moved within Cannock Chase.

Migration - Coventry

Top inflows

All persons aged 1 and over

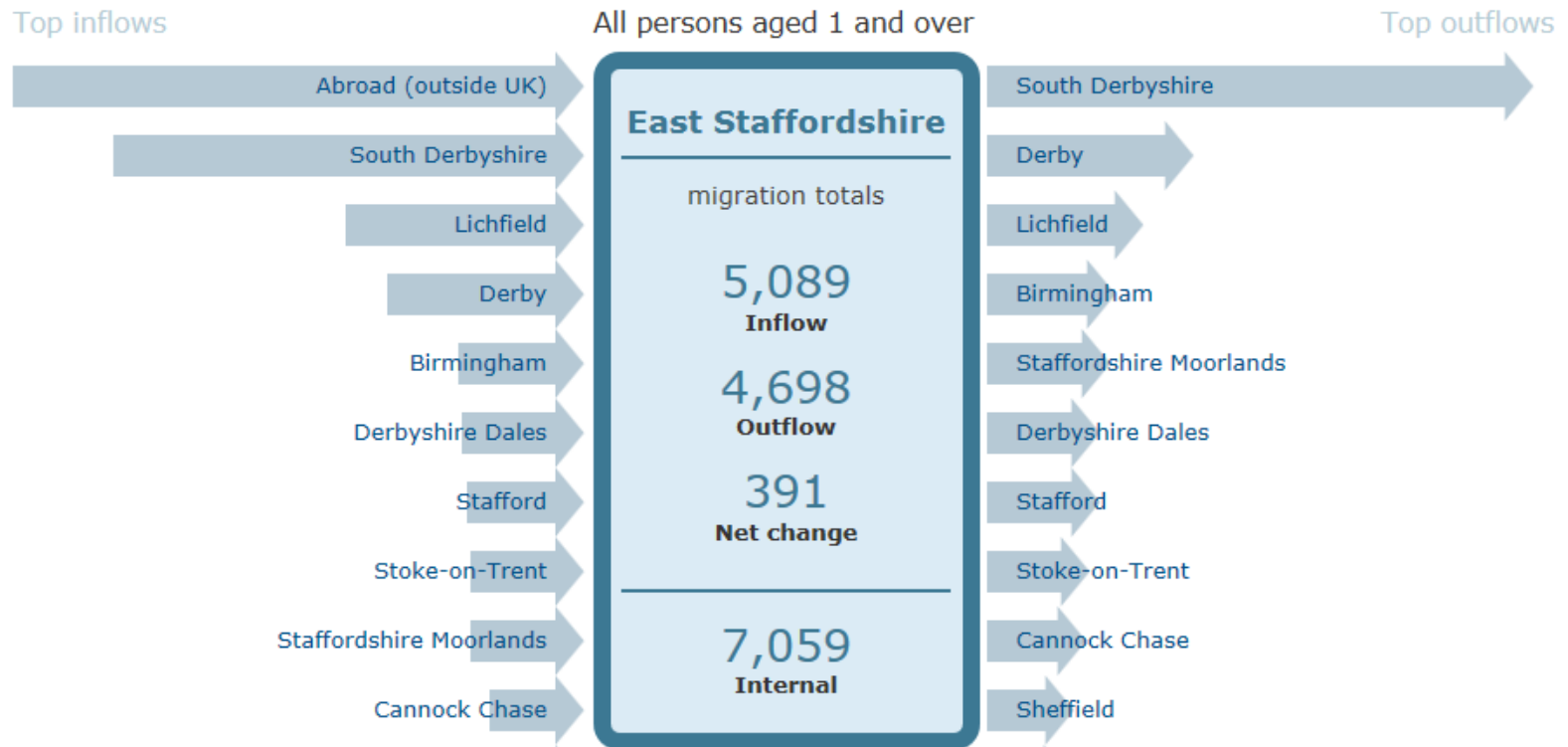
Top outflows



Migrations for Coventry with all areas:

- Inflow: **20,926** persons aged 1 and over moved into Coventry from other areas.
- Outflow: **14,258** persons aged 1 and over moved out of Coventry.
- Net change: Overall, migration resulted in **6,668** more persons aged 1 and over in Coventry.
- Internal: In addition, **26,566** persons aged 1 and over moved within Coventry.

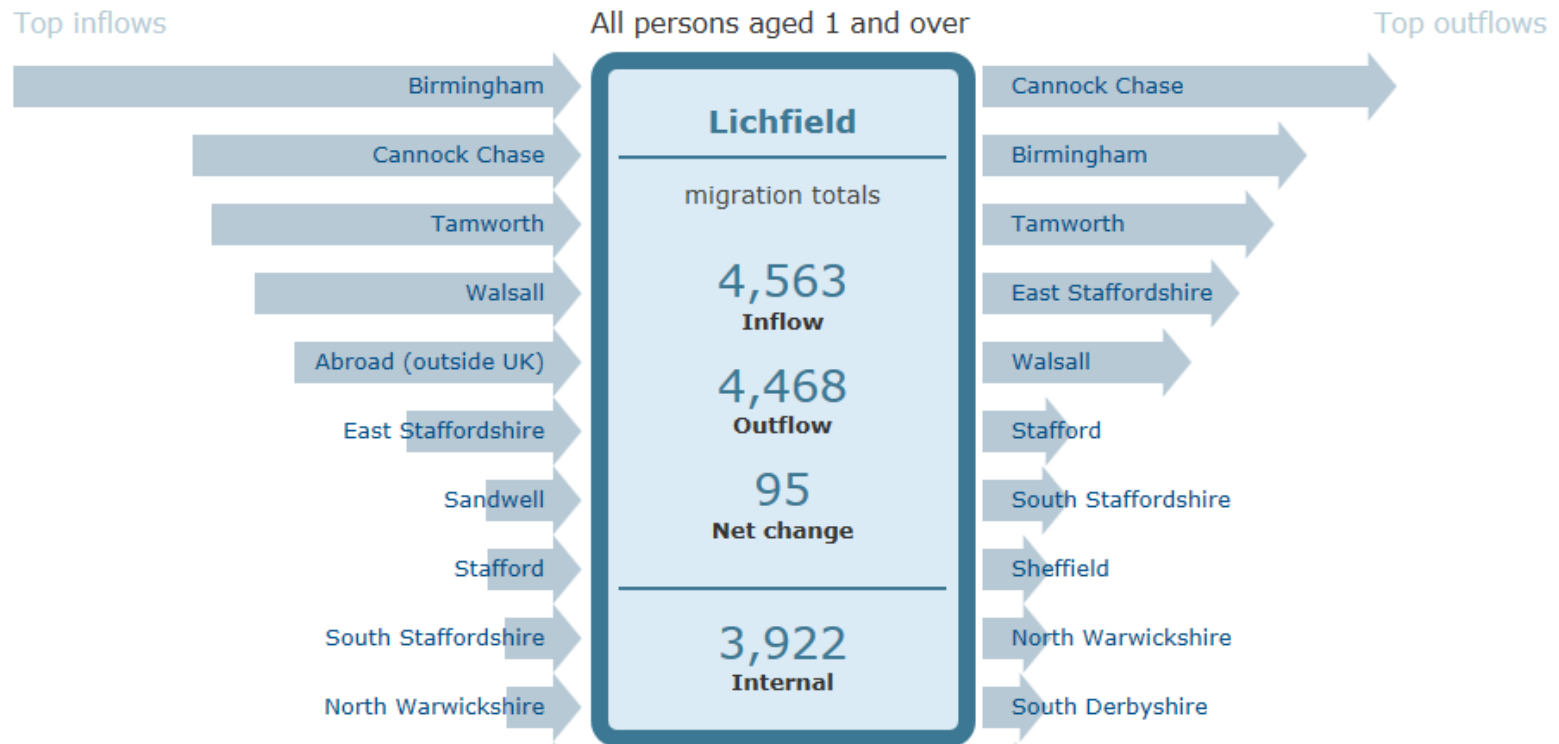
Migration– East Staffordshire



Migrations for East Staffordshire with all areas:

- Inflow: **5,089** persons aged 1 and over moved into East Staffordshire from other areas.
- Outflow: **4,698** persons aged 1 and over moved out of East Staffordshire.
- Net change: Overall, migration resulted in **391** more persons aged 1 and over in East Staffordshire.
- Internal: In addition, **7,059** persons aged 1 and over moved within East Staffordshire.

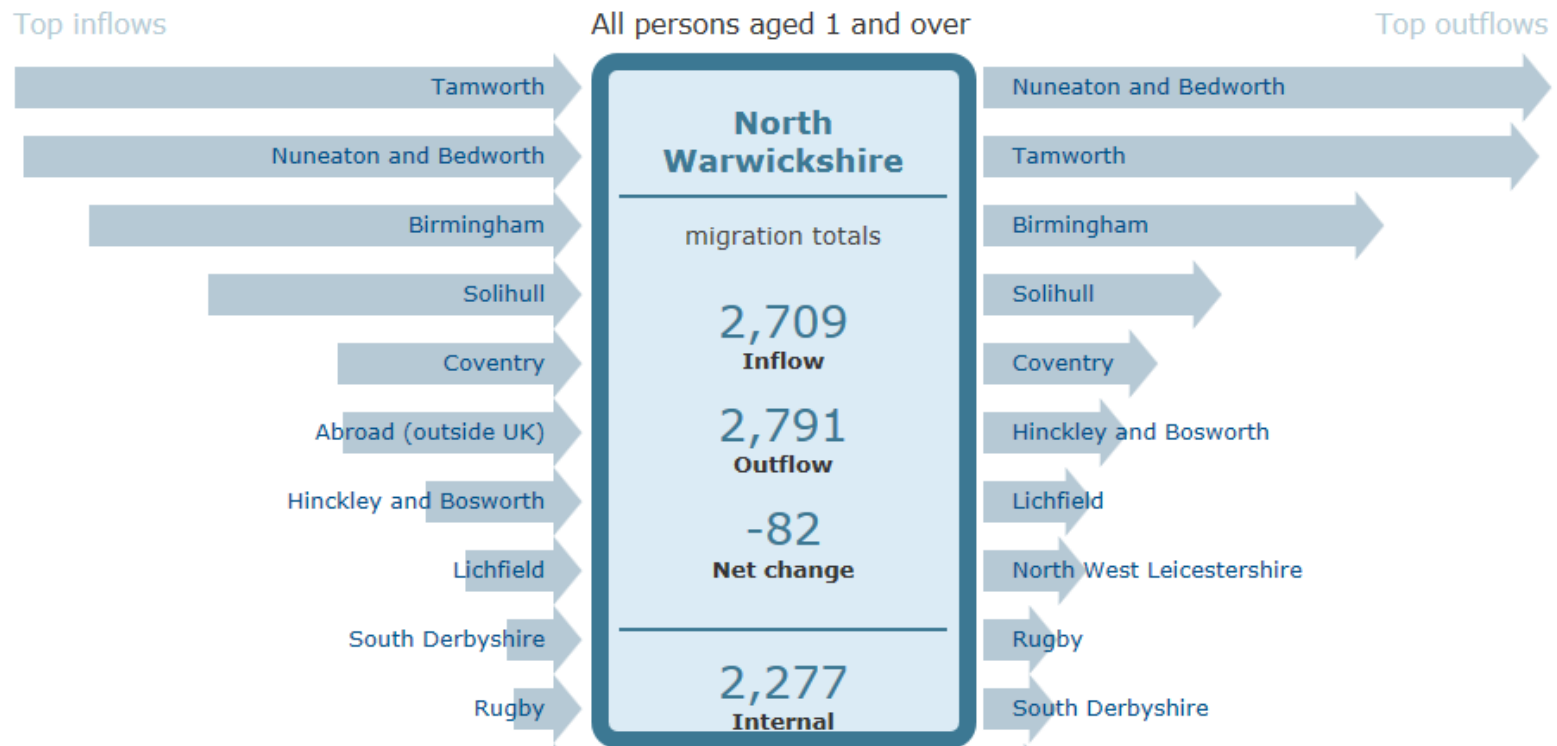
Migration - Lichfield



Migrations for Lichfield with all areas:

- Inflow: **4,563** persons aged 1 and over moved into Lichfield from other areas.
- Outflow: **4,468** persons aged 1 and over moved out of Lichfield.
- Net change: Overall, migration resulted in **95** more persons aged 1 and over in Lichfield.
- Internal: In addition, **3,922** persons aged 1 and over moved within Lichfield.

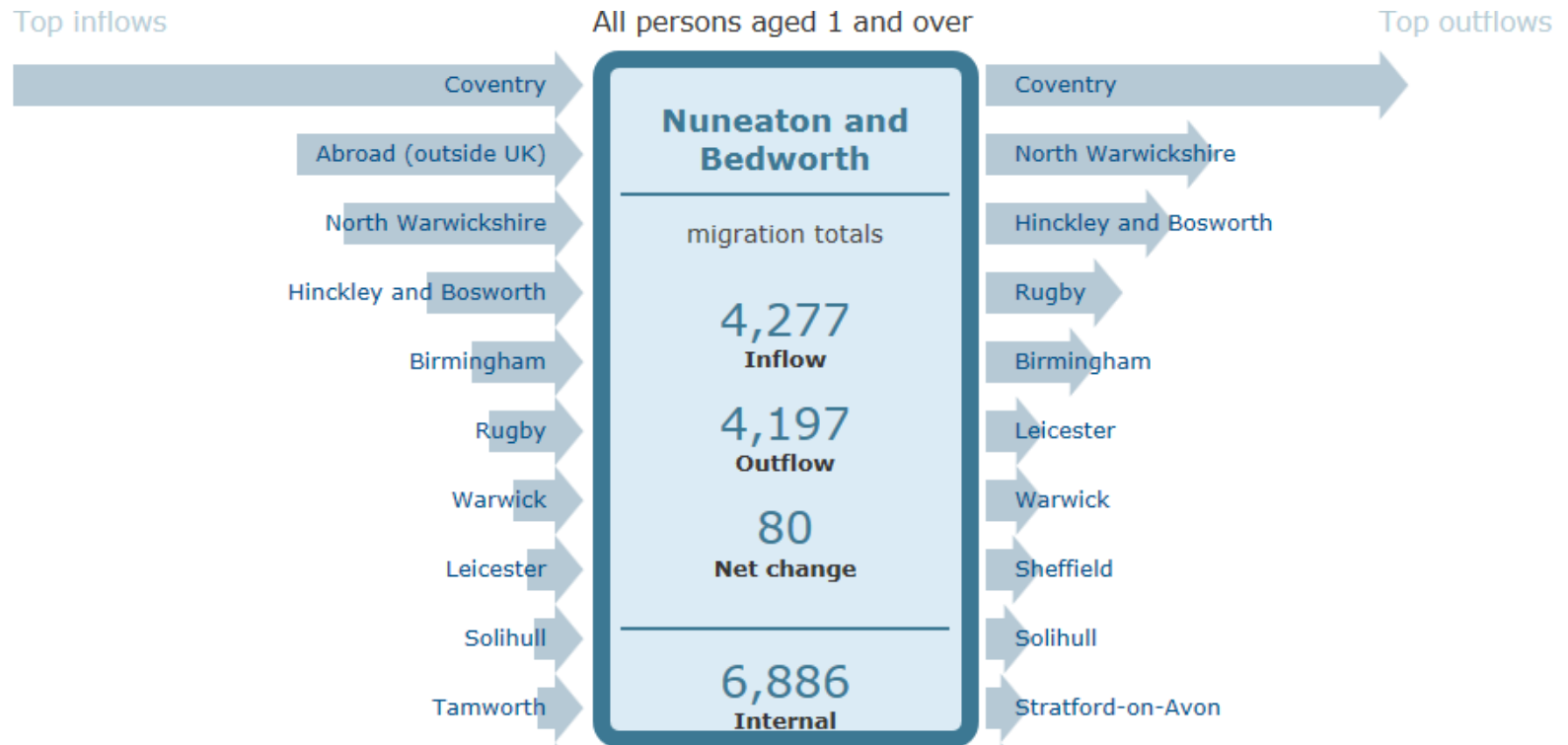
Migration – North Warwickshire



Migrations for North Warwickshire with all areas:

- Inflow: **2,709** persons aged 1 and over moved into North Warwickshire from other areas.
- Outflow: **2,791** persons aged 1 and over moved out of North Warwickshire.
- Net change: Overall, migration resulted in **82** fewer persons aged 1 and over in North Warwickshire.
- Internal: In addition, **2,277** persons aged 1 and over moved within North Warwickshire.

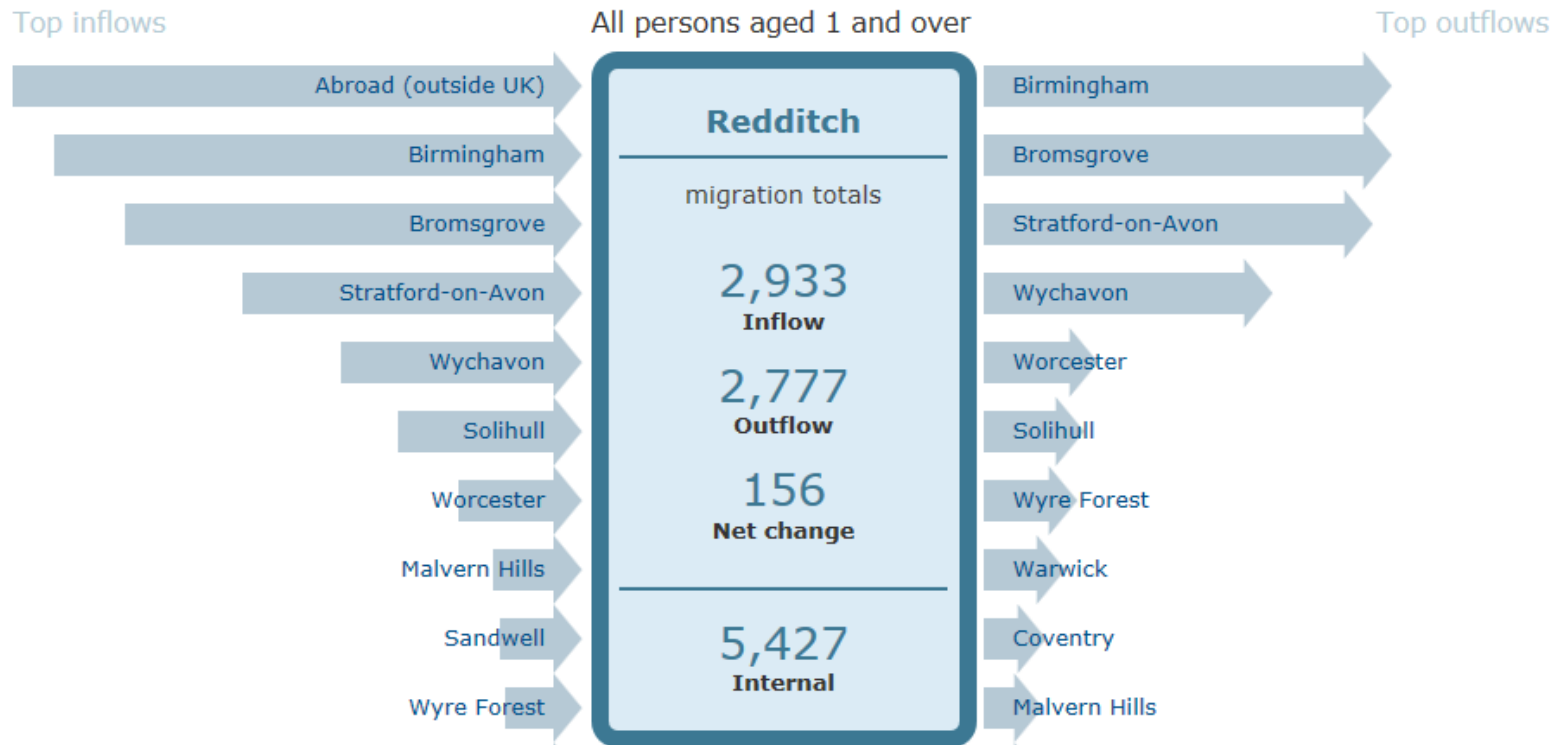
Migration – Nuneaton & Bedworth



Migrations for Nuneaton and Bedworth with all areas:

- Inflow: **4,277** persons aged 1 and over moved into Nuneaton and Bedworth from other areas.
- Outflow: **4,197** persons aged 1 and over moved out of Nuneaton and Bedworth.
- Net change: Overall, migration resulted in **80** more persons aged 1 and over in Nuneaton and Bedworth.
- Internal: In addition, **6,886** persons aged 1 and over moved within Nuneaton and Bedworth.

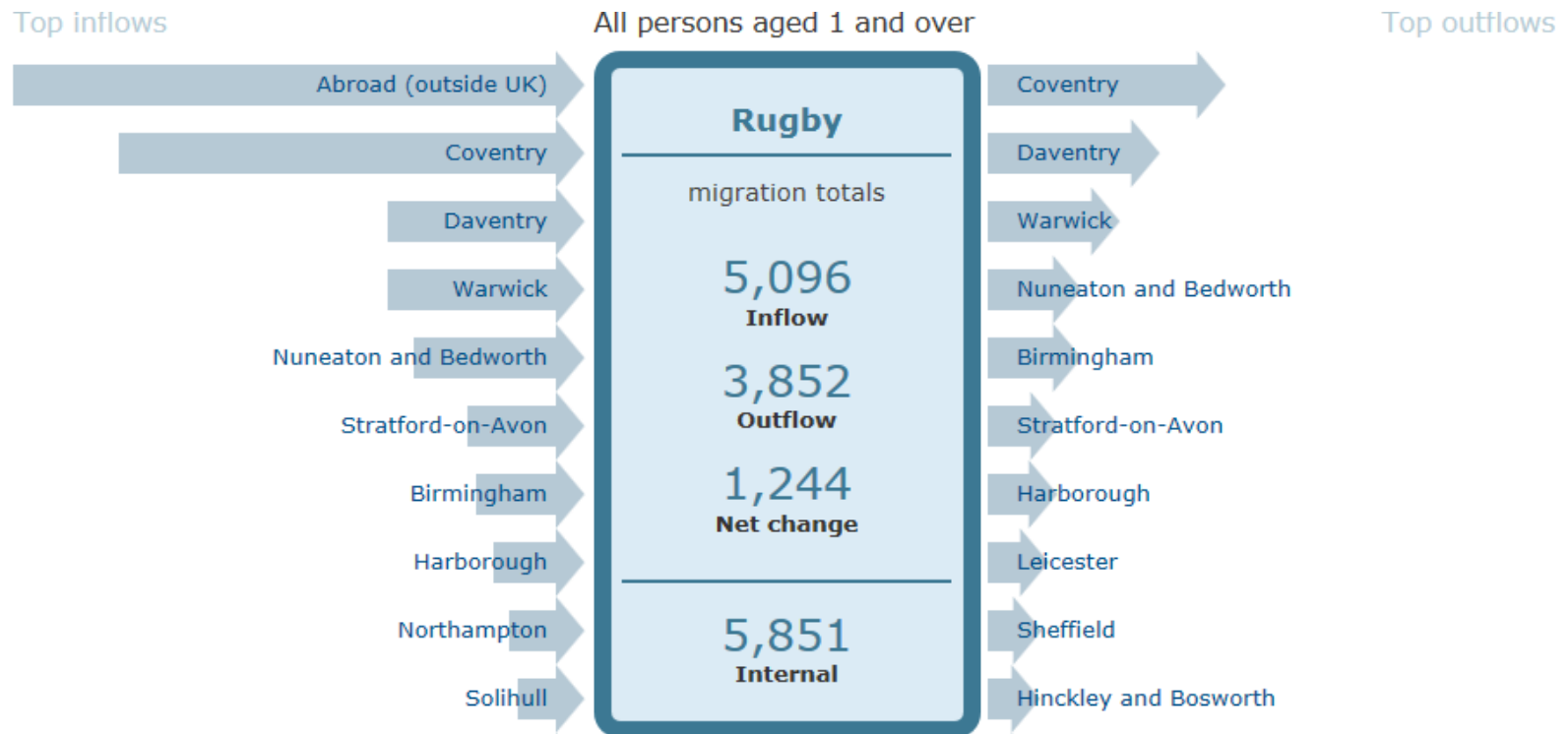
Migration - Redditch



Migrations for Redditch with all areas:

- Inflow: **2,933** persons aged 1 and over moved into Redditch from other areas.
- Outflow: **2,777** persons aged 1 and over moved out of Redditch.
- Net change: Overall, migration resulted in **156** more persons aged 1 and over in Redditch.
- Internal: In addition, **5,427** persons aged 1 and over moved within Redditch.

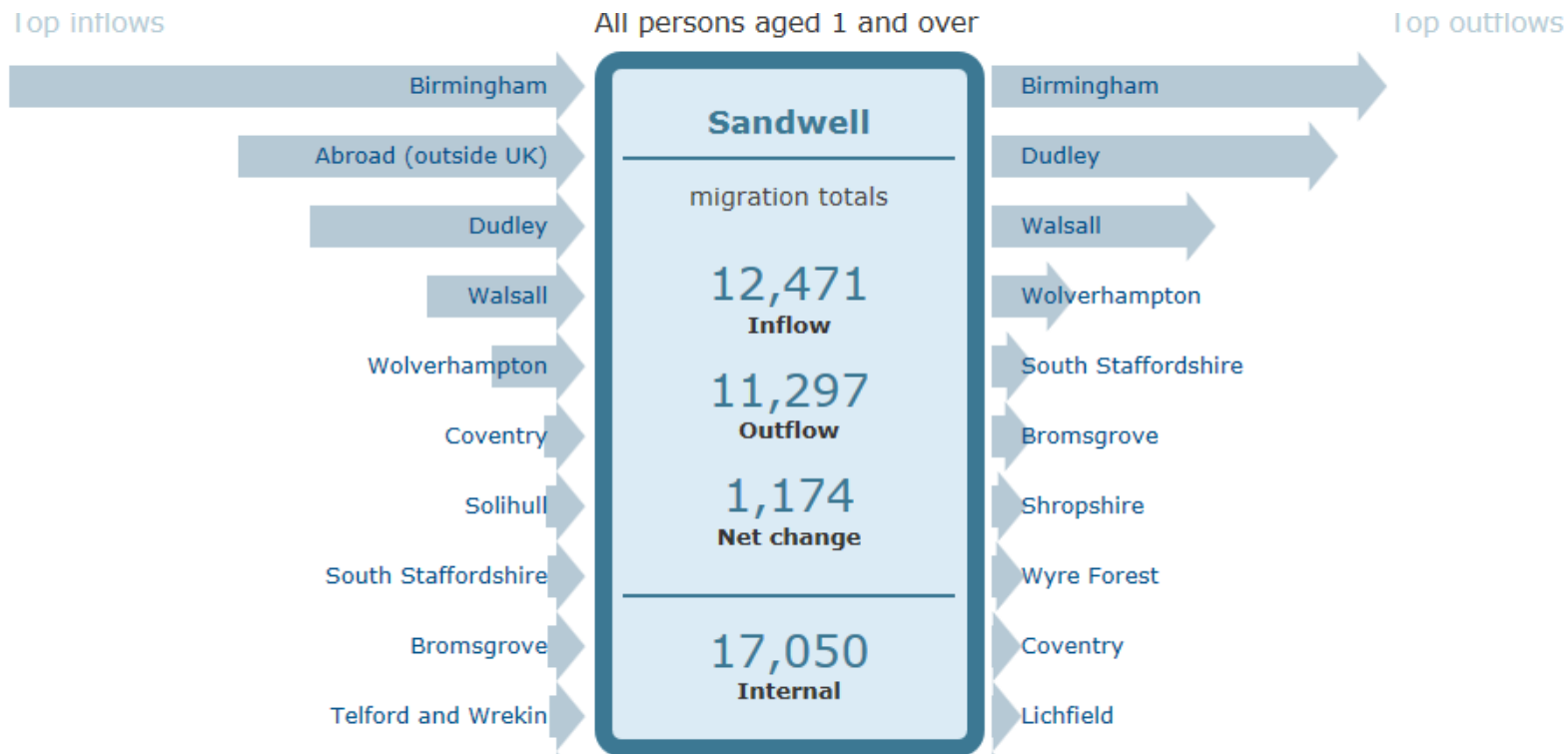
Migration - Rugby



Migrations for Rugby with all areas:

- Inflow: **5,096** persons aged 1 and over moved into Rugby from other areas.
- Outflow: **3,852** persons aged 1 and over moved out of Rugby.
- Net change: Overall, migration resulted in **1,244** more persons aged 1 and over in Rugby.
- Internal: In addition, **5,851** persons aged 1 and over moved within Rugby.

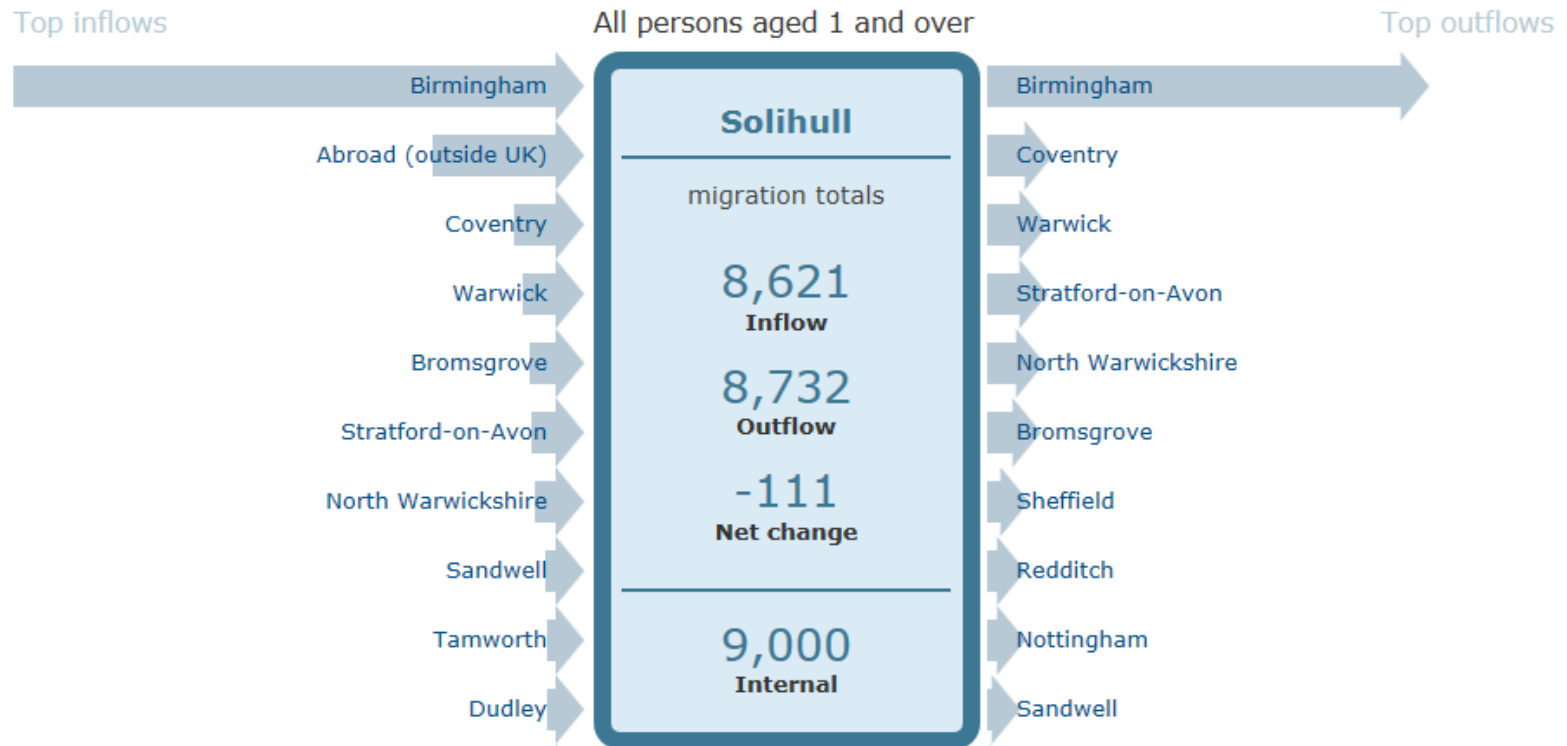
Migration - Sandwell



Migrations for Sandwell with all areas:

- Inflow: **12,471** persons aged 1 and over moved into Sandwell from other areas.
- Outflow: **11,297** persons aged 1 and over moved out of Sandwell.
- Net change: Overall, migration resulted in **1,174** more persons aged 1 and over in Sandwell.
- Internal: In addition, **17,050** persons aged 1 and over moved within Sandwell.

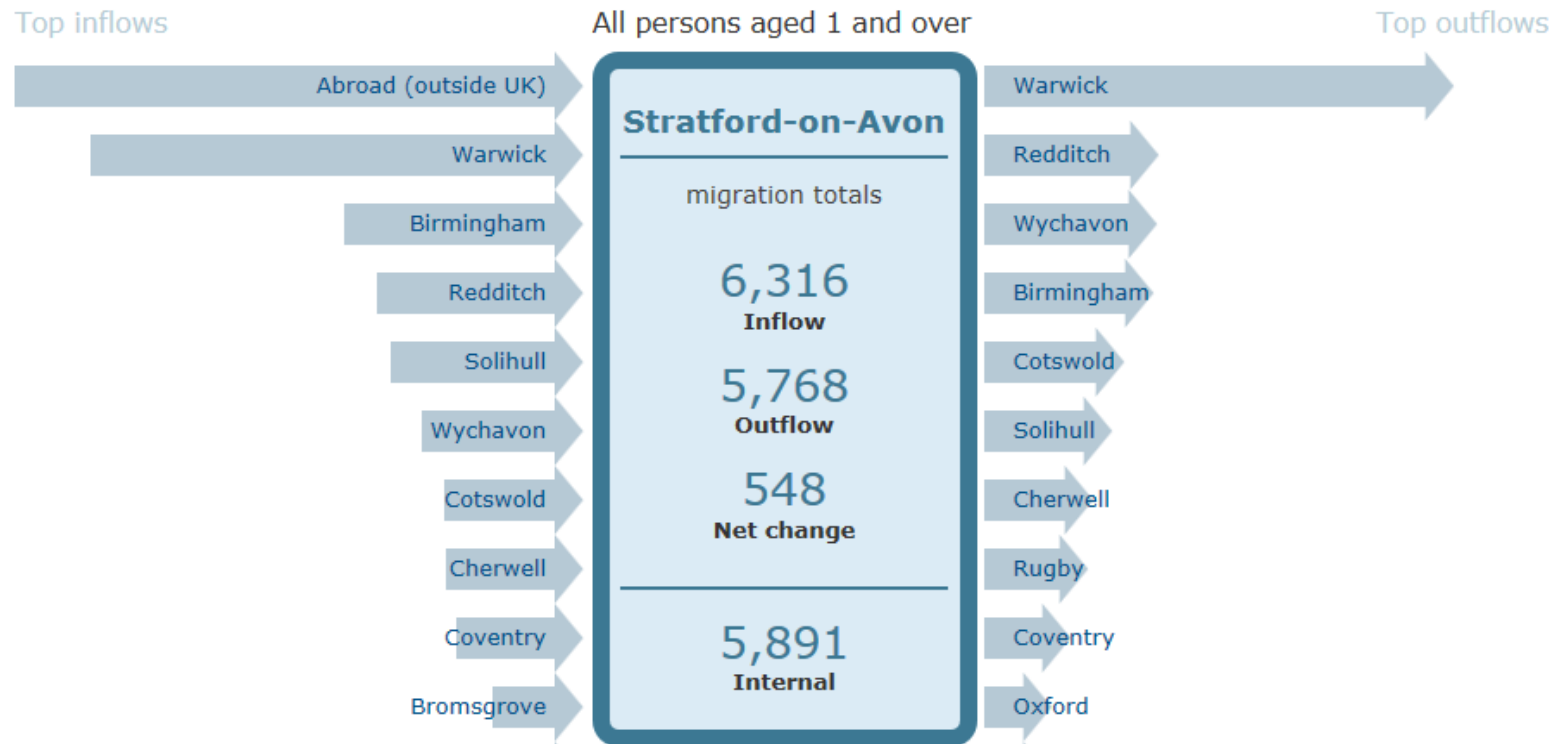
Migration - Solihull



Migrations for Solihull with all areas:

- Inflow: **8,621** persons aged 1 and over moved into Solihull from other areas.
- Outflow: **8,732** persons aged 1 and over moved out of Solihull.
- Net change: Overall, migration resulted in **111** fewer persons aged 1 and over in Solihull.
- Internal: In addition, **9,000** persons aged 1 and over moved within Solihull.

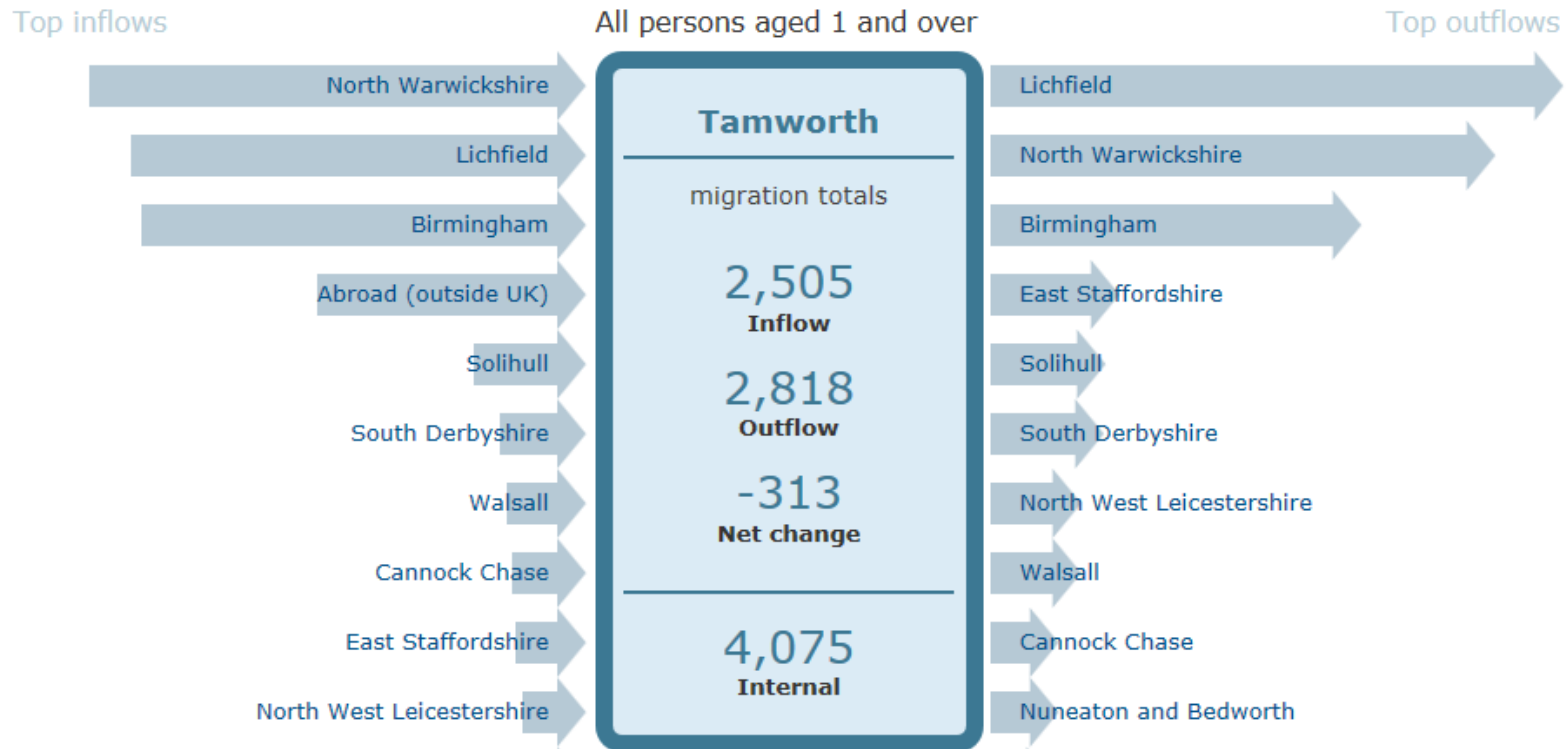
Migration – Stratford-on-Avon



Migrations for Stratford-on-Avon with all areas:

- Inflow: **6,316** persons aged 1 and over moved into Stratford-on-Avon from other areas.
- Outflow: **5,768** persons aged 1 and over moved out of Stratford-on-Avon.
- Net change: Overall, migration resulted in **548** more persons aged 1 and over in Stratford-on-Avon.
- Internal: In addition, **5,891** persons aged 1 and over moved within Stratford-on-Avon.

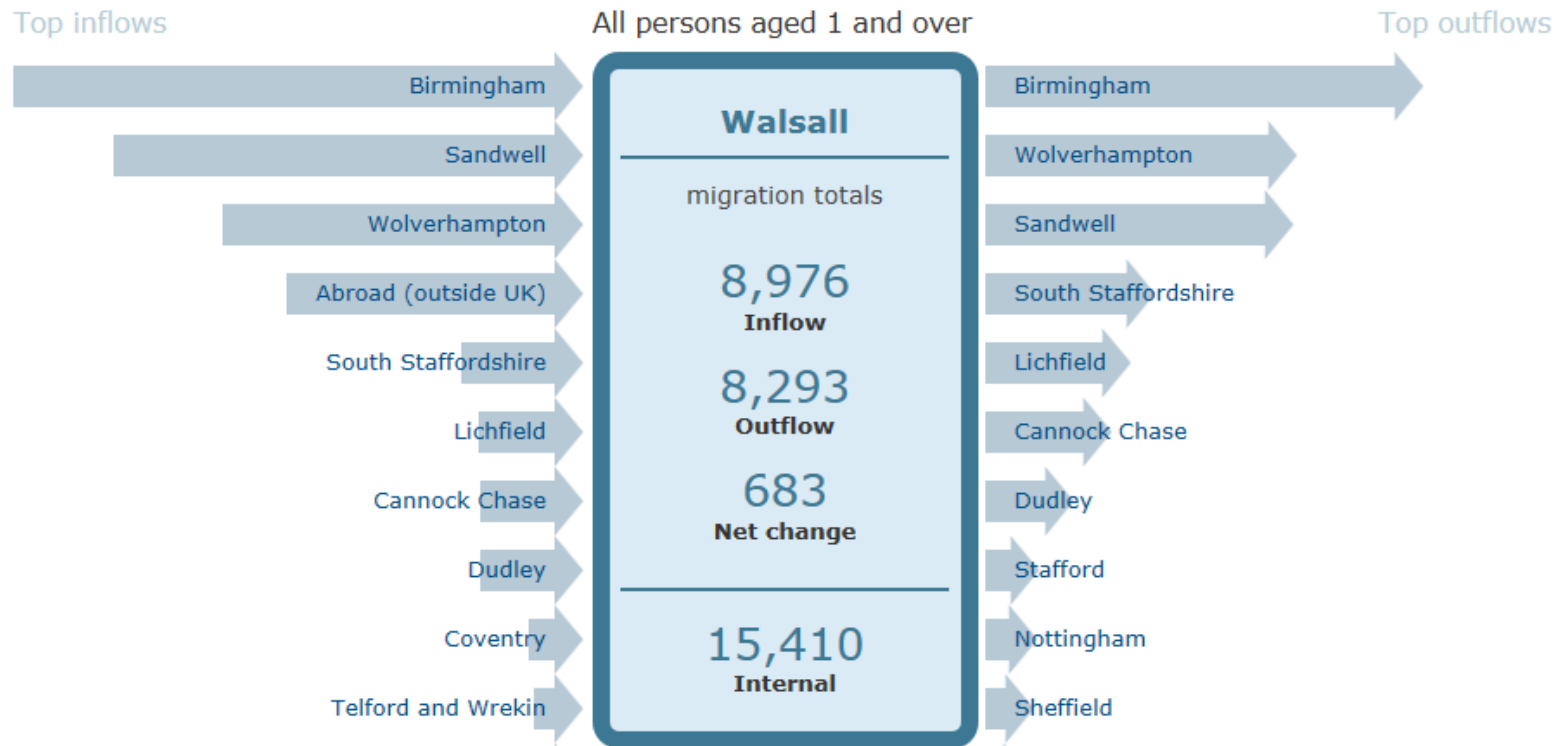
Migration - Tamworth



Migrations for Tamworth with all areas:

- Inflow: **2,505** persons aged 1 and over moved into Tamworth from other areas.
- Outflow: **2,818** persons aged 1 and over moved out of Tamworth.
- Net change: Overall, migration resulted in **313** fewer persons aged 1 and over in Tamworth.
- Internal: In addition, **4,075** persons aged 1 and over moved within Tamworth.

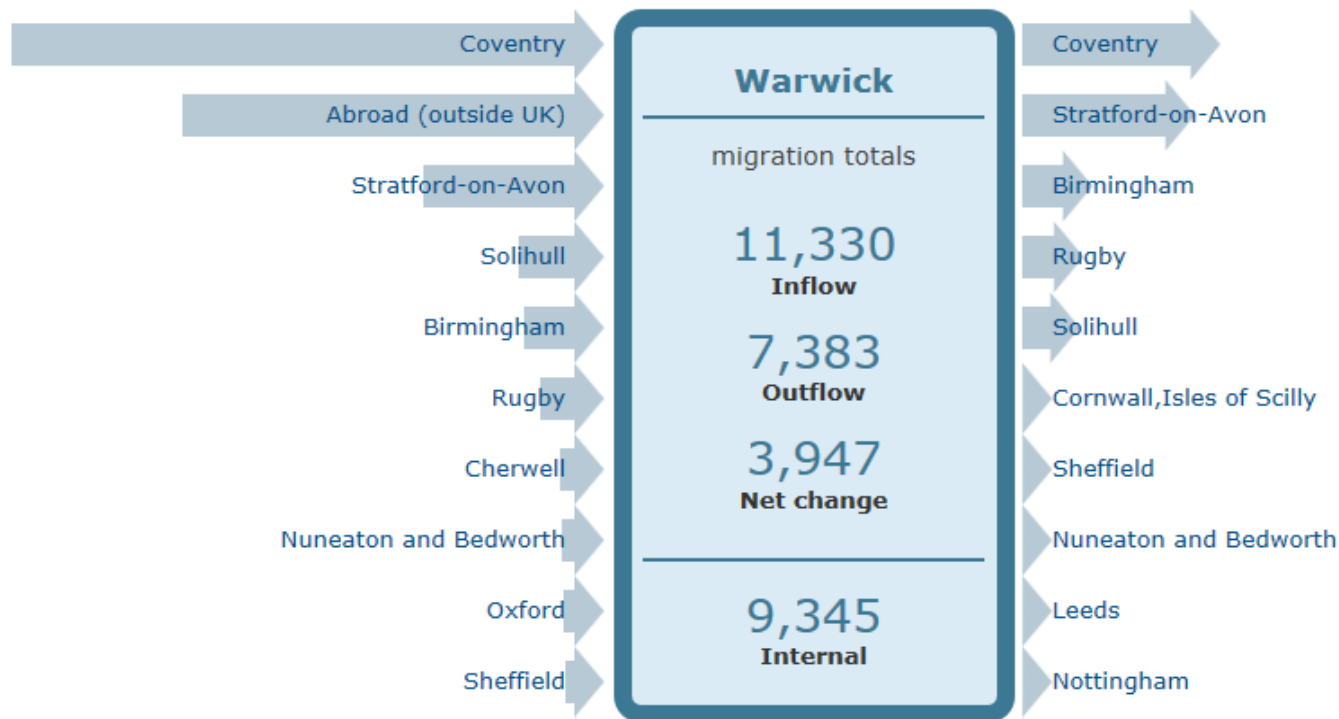
Migration - Walsall



Migrations for Walsall with all areas:

- Inflow: **8,976** persons aged 1 and over moved into Walsall from other areas.
- Outflow: **8,293** persons aged 1 and over moved out of Walsall.
- Net change: Overall, migration resulted in **683** more persons aged 1 and over in Walsall.
- Internal: In addition, **15,410** persons aged 1 and over moved within Walsall.

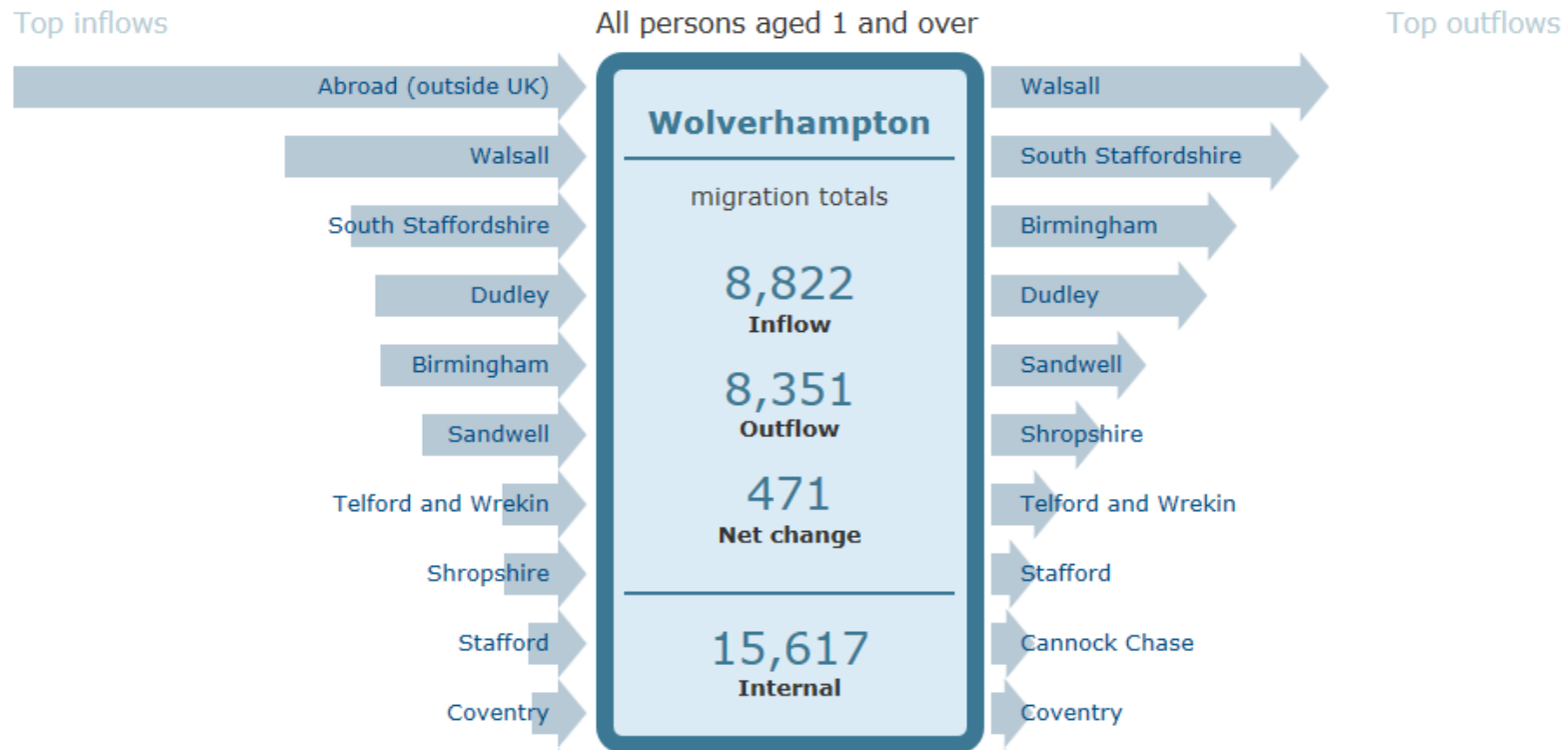
Migration - Warwick



Migrations for Warwick with all areas:

- Inflow: **11,330** persons aged 1 and over moved into Warwick from other areas.
- Outflow: **7,383** persons aged 1 and over moved out of Warwick.
- Net change: Overall, migration resulted in **3,947** more persons aged 1 and over in Warwick.
- Internal: In addition, **9,345** persons aged 1 and over moved within Warwick.

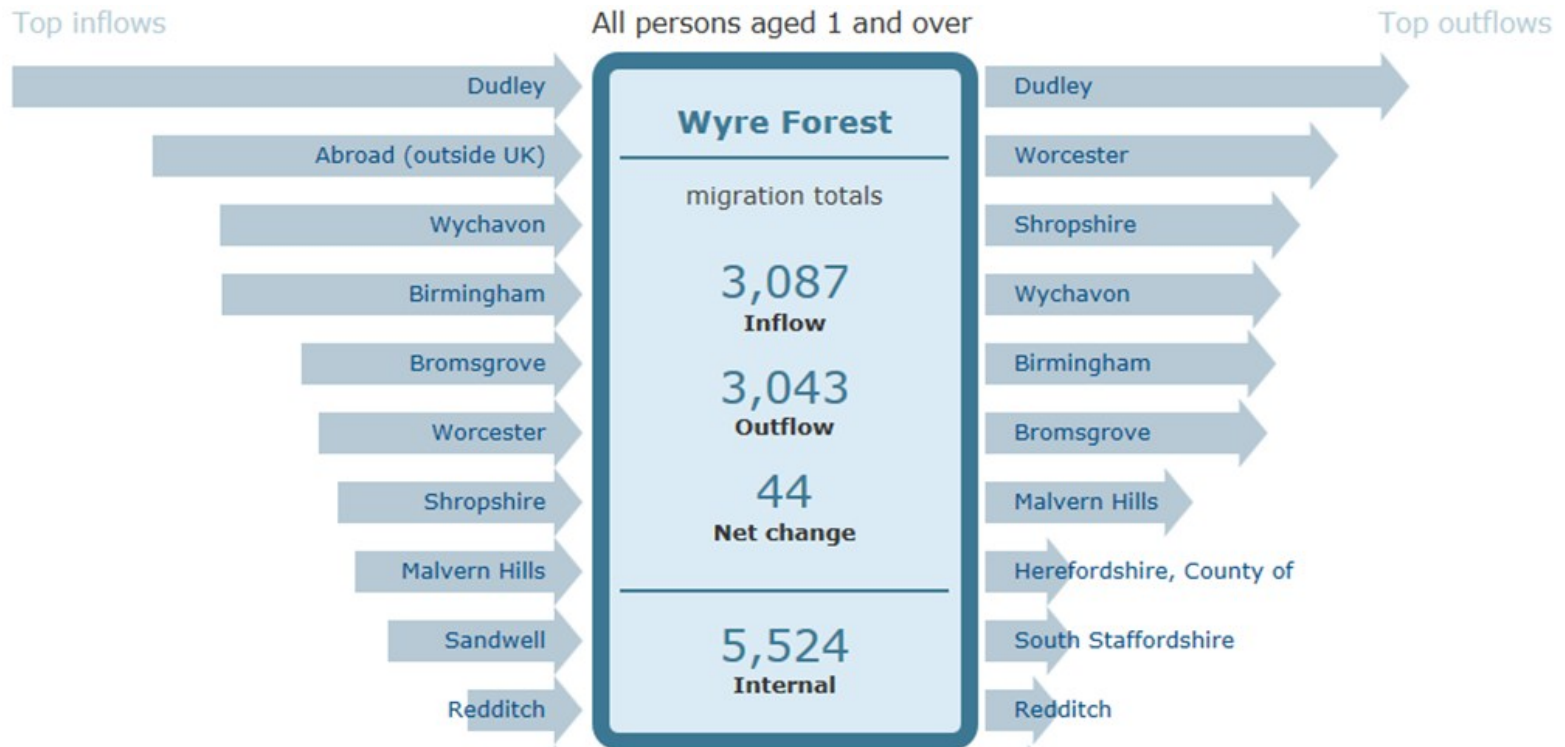
Migration - Wolverhampton



Migrations for Wolverhampton with all areas:

- Inflow: **8,822** persons aged 1 and over moved into Wolverhampton from other areas.
- Outflow: **8,351** persons aged 1 and over moved out of Wolverhampton.
- Net change: Overall, migration resulted in **471** more persons aged 1 and over in Wolverhampton.
- Internal: In addition, **15,617** persons aged 1 and over moved within Wolverhampton.

Migration – Wyre Forest



Migrations for Wyre Forest with all areas:

- Inflow: **3,087** persons aged 1 and over moved into Wyre Forest from other areas.
- Outflow: **3,043** persons aged 1 and over moved out of Wyre Forest.
- Net change: Overall, migration resulted in **44** more persons aged 1 and over in Wyre Forest.
- Internal: In addition, **5,524** persons aged 1 and over moved within Wyre Forest.