Visualisation of AED data for Lancashire Partners

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What is MADE?

A Lancashire strategic data and intelligence sharing resource for

- Community safety partnerships

- And other public sector workers

to help them consider crime and disorder within their role as detailed under the crime and disorder legislation.

Data and intelligence comes from the police, fire and rescue and ambulance services, local authorities, commissioned services, criminal justice and third sector providers.

TIIG (AED data)

Three types of data:

- Assault data shared with all MADE partners via our restricted microsite and visualised using our TIIG dashboard

MADE
Multi-Agency Data Exchange
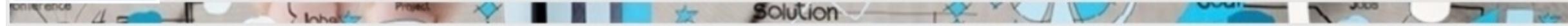
Overview

Information about attendance at accident and emergency departments due to an assault can help enrich the picture of violence against the person. It helps improve our understanding of the victims, locations and gravity of the assault.

Data is provided by East Lancashire Hospitals NHS Trust (Burnley), Blackpool Teaching Hospitals NHS Foundation Trust, Lancashire Teaching Hospitals NHS Foundation Trust (Preston and Chorley), University Hospitals of Morecambe Bay NHS Trust (Lancaster), Southport and Ormskirk Hospital Trust (Lancashire residents only) to the trauma intelligence and injury group (TIIG) at Liverpool John Moore's University, who aggregate it and supply it to MADE. Completion rates and quality of data completed do vary between hospital trusts and even from month to month. Please refer to the completion rate tables for the most up to date information.

Population data for rates and profiles comes from the Office for National Statistics and uses the latest mid-year estimates (2017 for districts).

In accordance with the data sharing protocol, this data can only be used for the purpose of improving and promoting community safety within Lancashire. It is not for public dissemination.

Navigation

Power BI dashboards sometimes work better in Google Chrome than Internet Explorer.

The links on the right will take you to the individual pages. Alternatively, clicking on the 'of' between the page numbers at the bottom of this dashboard will bring up a quick menu where you can se;ect the page, or you can move betwen the pages by using the arrows adjacent to the page numbers.

Use the filters on each page to look at the district or hospital trust. Clicking on the focus mode on the top right corner of each chart/visualisation will open it on a separate page for easier viewing. Hovering over a data point will give you the value and any additional relevant data.

For drilldown charts, hover over the top of the chart to make the arrows visible. The left hand arrows sort the data by the second drilldown. Turn the right hand arrow on and then click on a bar chart to drill down into the data.
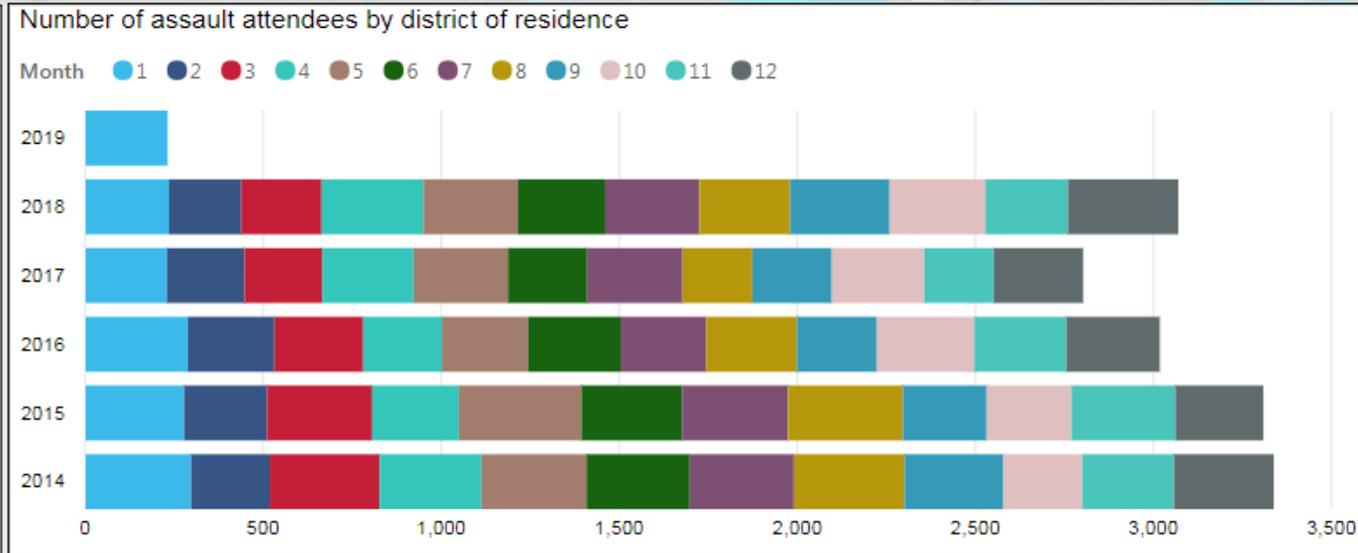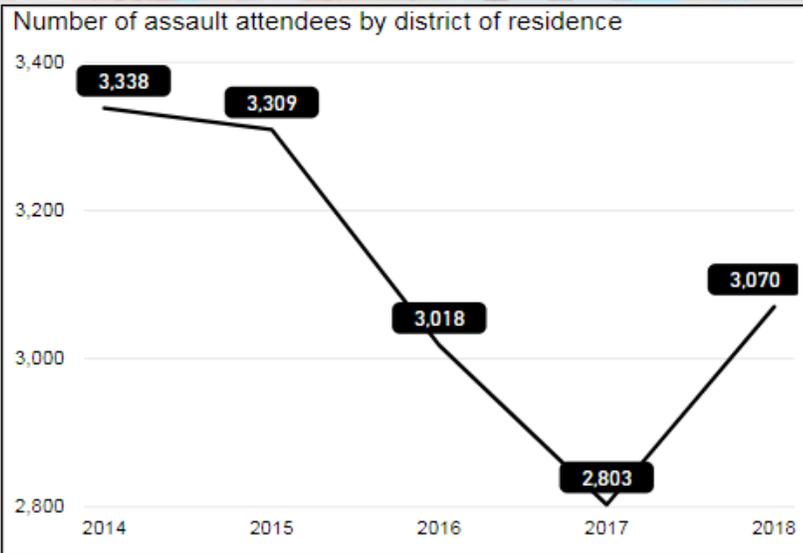
Patient residence

Assaults

Demographics

Time

Arrival/disposal

Ward

Weapon

Hospital attended

Assaults

Demographics

Time

Arrival/disposal

Assault location

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Assault attendees at accident and emergency departments (TIIG)

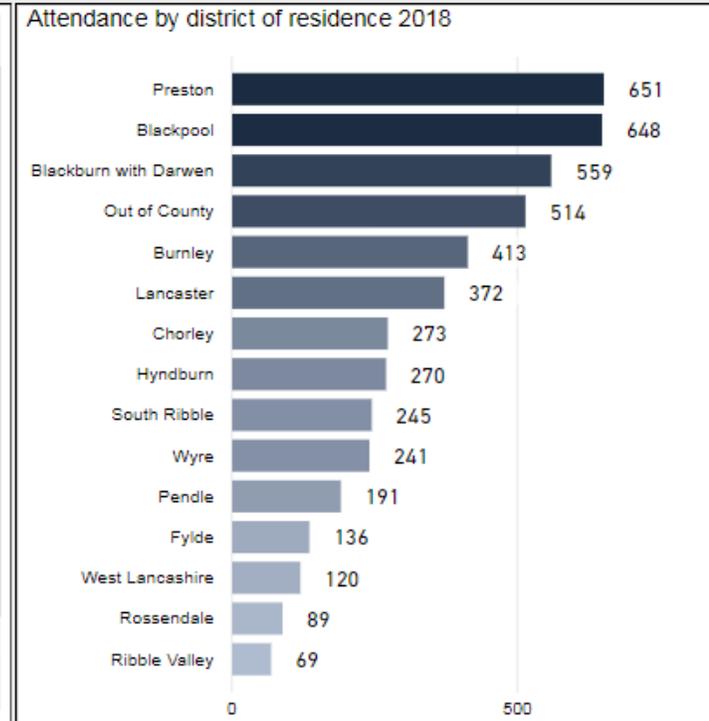**MADE** — Multi-Agency Data Exchange

Select district of residence

- All
- Lancashire-14
  - Lancashire-12
    - Burnley
    - Chorley
    - Fylde
    - Hyndburn
    - Lancaster
    - Pendle
    - Preston
    - Ribble Valley
    - Rossendale
    - South Ribble
    - West Lancashire
    - Wyre
  - Unitary Authority
    - Blackburn with Darwen
    - Blackpool
- Out of County

2019 is year to date

Back

Number of assault attendees by district of residence

Year	Value
2014	3,338
2015	3,309
2016	3,018
2017	2,803
2018	3,070

Number of assault attendees by district of residence

Month: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

(Stacked bar chart by year 2014–2019, axis 0 to 3,500)

Area	2014	2015	2016	2017	2018
Blackburn with Darwen	620	557	488	529	559
Blackpool	758	700	671	643	648
Burnley	426	430	384	343	413
Chorley	332	340	291	227	273
Fylde	122	132	135	111	136
Hyndburn	298	223	233	226	270
Lancaster	282	352	330	365	372
Out of County	410	463	419	416	514
Pendle	251	264	214	195	191
Preston	719	747	662	617	651
Ribble Valley	100	87	60	66	69
Rossendale	121	100	106	93	89
South Ribble	337	279	320	238	245
West Lancashire	141	146	92	120	120
Wyre	209	209	191	202	241
Total	**5,126**	**5,029**	**4,596**	**4,391**	**4,791**

Area	Numeric Change 18to17	Perc Change 18to17
Rossendale	-4	-0.04
Pendle	-4	-0.02
West Lancashire	0	0.00
Blackpool	5	0.01
Lancaster	7	0.02
South Ribble	7	0.03
Ribble Valley	3	0.05
Preston	34	0.06
Blackburn with Darwen	30	0.06
Wyre	39	0.19
Hyndburn	44	0.19
Chorley	46	0.20
Burnley	70	0.20
Fylde	25	0.23
Total	**400**	**0.09**

Attendance by district of residence 2018

Area	Value
Preston	651
Blackpool	648
Blackburn with Darwen	559
Out of County	514
Burnley	413
Lancaster	372
Chorley	273
Hyndburn	270
South Ribble	245
Wyre	241
Pendle	191
Fylde	136
West Lancashire	120
Rossendale	89
Ribble Valley	69

Assault attendees at accident and emergency departments (TIIG)

Select hospital attended

- Select all
- Blackburn
- Blackpool
- Chorley
- Lancaster
- Ormskirk
- Preston
- Southport

January 2016 to latest date (see page 1 - Overview).

Numbers below 5 have been suppressed.

Assault attendees age and gender proportions

● Female ● Male

Age group 5 yr	Female	Male
75+	0%	0%
	0%	0%
70-74	0%	0%
65-69	0%	1%
60-64	0%	1%
55-59	1%	2%
50-54	1%	3%
45-49	2%	5%
40-44	2%	5%
35-39	3%	7%
30-34	3%	9%
25-29	4%	11%
20-24	5%	14%
15-19	4%	10%
10-14	1%	4%
05-09	0%	0%
00-04	0%	0%
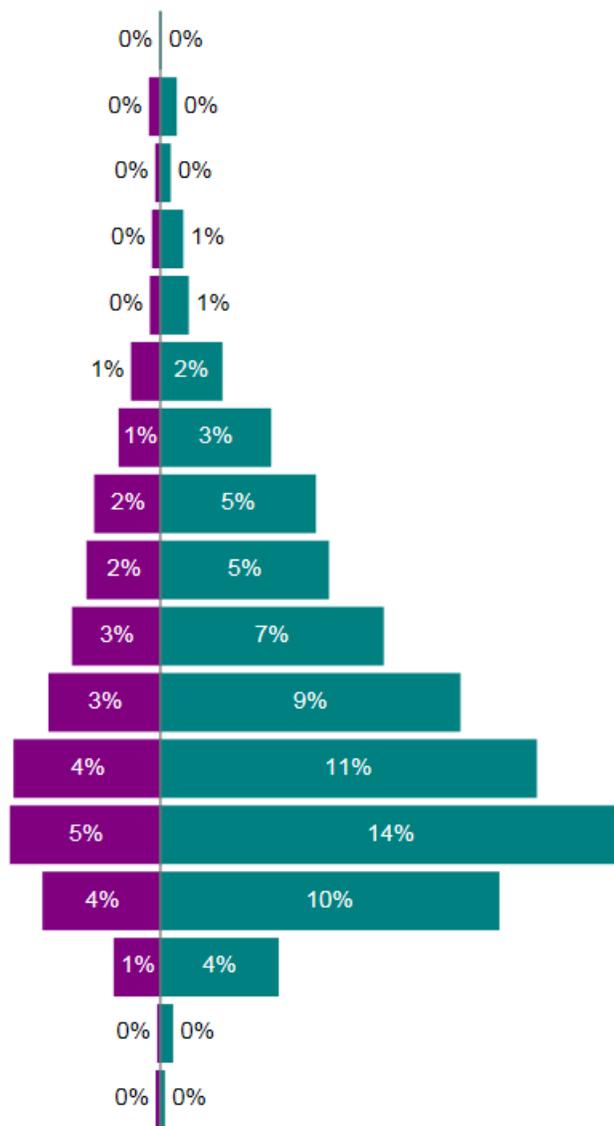
Assault attendees ethnic profile
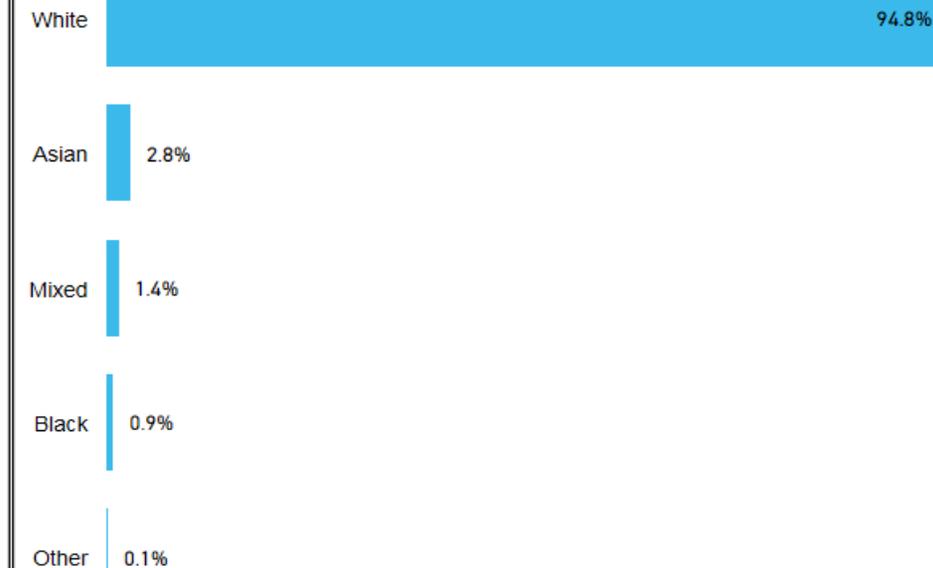
White	94.8%
Asian	2.8%
Mixed	1.4%
Black	0.9%
Other	0.1%

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  - ▲ ■ Lancashire-12
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    - ■ Lancaster
    - ■ Pendle
    - ■ Preston
    - ■ Ribble Valley
    - ■ Rossendale
    - ■ South Ribble
    - ■ West Lancashire
    - ■ Wyre
  - ▲ ■ Unitary Authority
    - ■ Blackburn with Darwen
    - ■ Blackpool
- ▶ ■ Out of County

January 2016 to latest date
(see page 1 - Overview).
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suppressed.

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Assaults by attendance hour

Percentage of assault attendees by attendance day

6. Sun	5. Sat	0. Mon	4. Fri	1. Tue	3. Thu	2. Wed
23%	18%	14%	12%	12%	11%	10%

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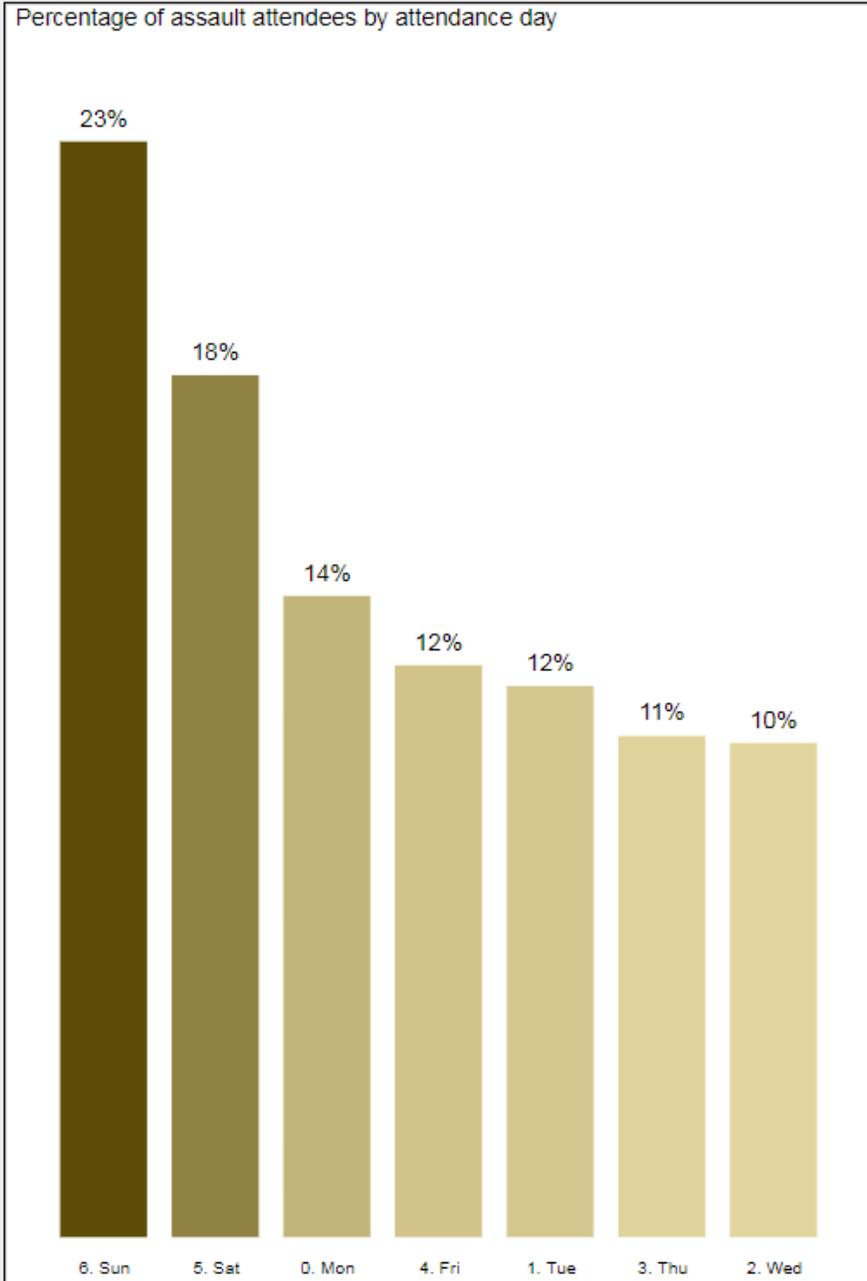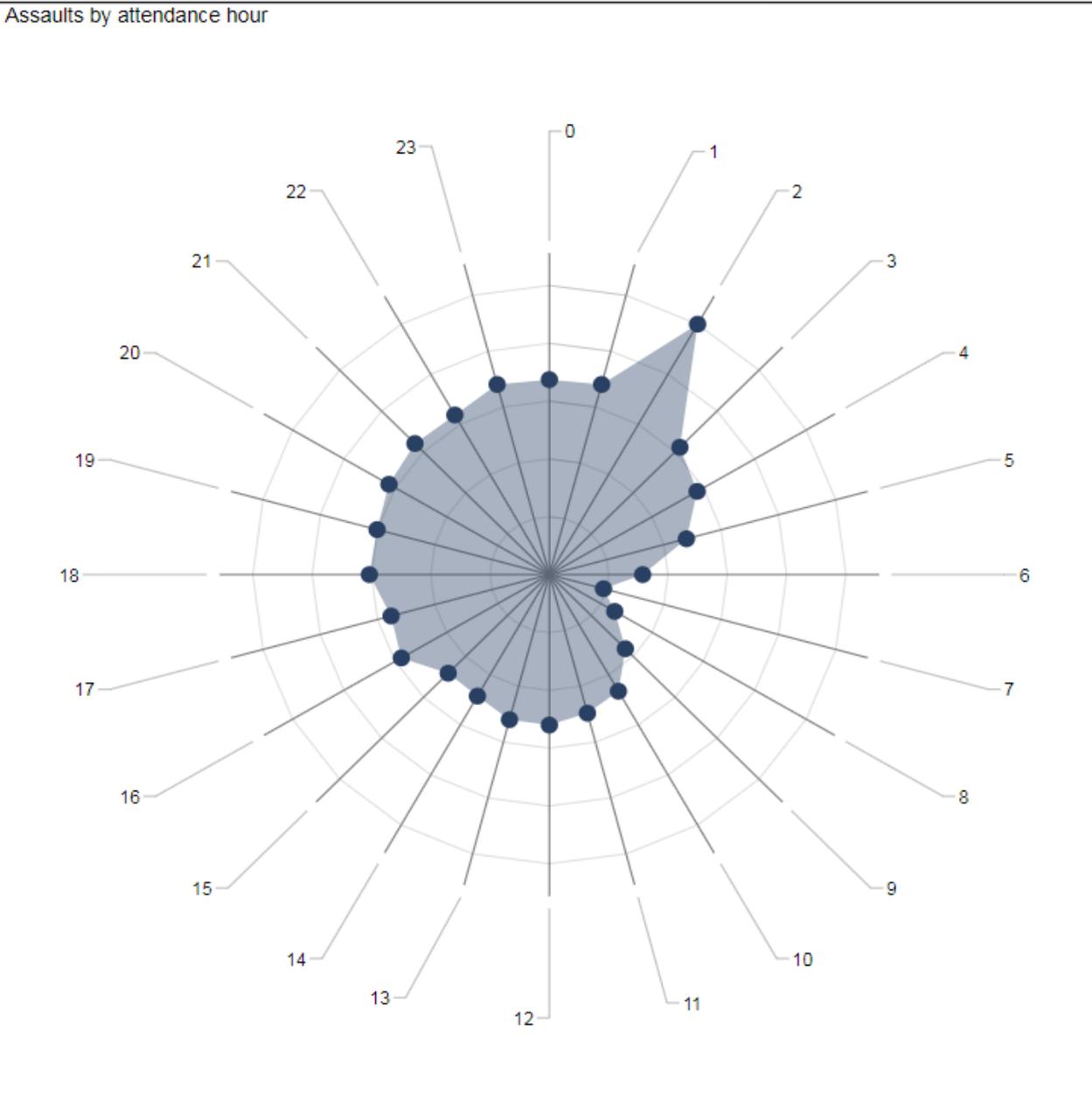
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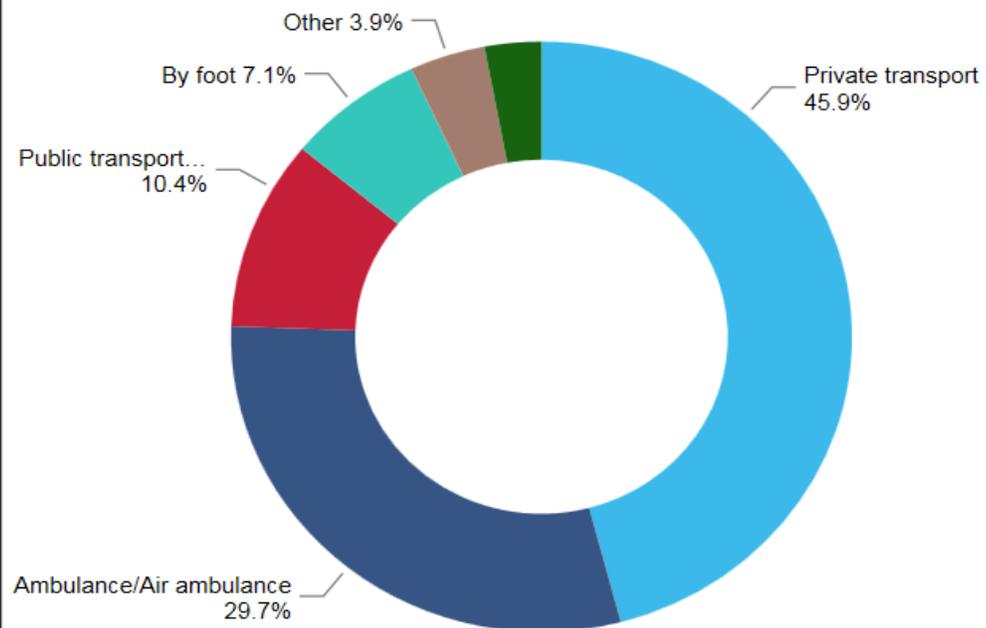   - Blackpool
  - Out of County

Numbers below 5 have been suppressed.

Records where arrival/disposal type have not been recorded have been excluded.

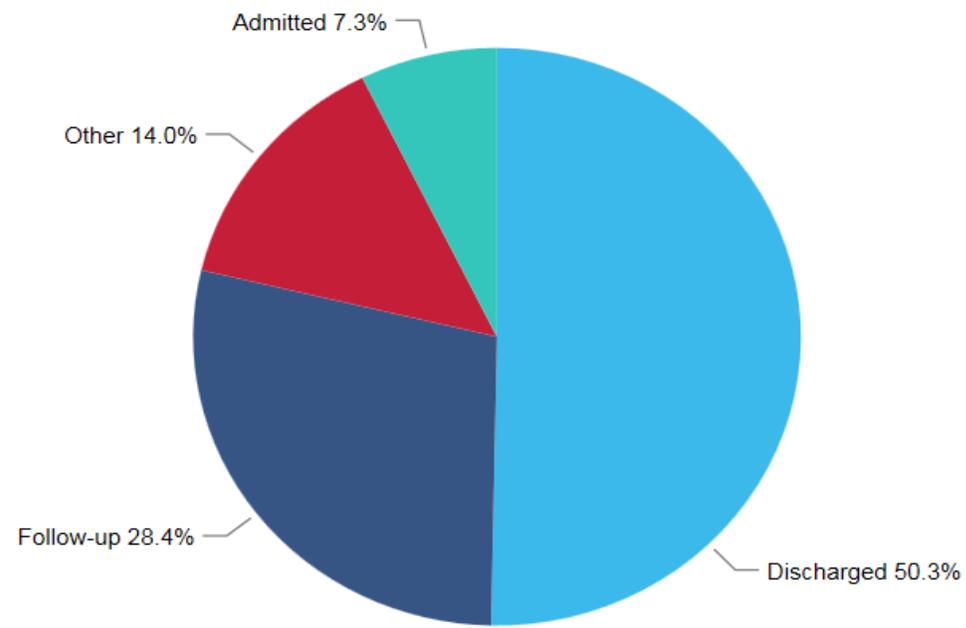January 2016 to latest date (see page 1 - Overview).

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Mode of arrival

- Private transport 45.9%
- Ambulance/Air ambulance 29.7%
- Public transport... 10.4%
- By foot 7.1%
- Other 3.9%

14,105 Sample size

Disposal type

- Discharged 50.3%
- Follow-up 28.4%
- Other 14.0%
- Admitted 7.3%

14,110 Sample size

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TIIG (AED data)

Three types of data:

- Assault data shared with all MADE partners via our restricted microsite and visualised using our TIIG dashboard

- Commercially sensitive data around specific premises. Information such as which licensed premises have the most assaults associated with them. Data sent monthly to specific personnel in licensing and public health.

Rank	Premise	Count of Assaults
1	LP1, Lancaster	15
2	LP2, Preston	12
3	LP3, Preston	11
4	LP4, Blackpool	5

TIIG (AED data)

Three types of data:

- Assault data shared with all MADE partners via our restricted microsite and visualised using our TIIG dashboard

- Commercially sensitive data around specific premises. We keep a 12 month running total of assaults in specific premises and the last drink location before an assault which are shared with all the licensing officers and public health leads in the three local authorities in Lancashire.

- All injuries data for use by our public health analysts

Some examples of how TIIG data adds to our intelligence?

- Community safety strategic assessment – the assault data has been used alongside that from the police and ambulance service to build a picture of where, when and what the issues are around violence against the person – a strategic priority in Lancashire.

- Licensing decisions – such as whether a bar should extend their hours, improve their security, change to plastic glasses or be allowed to hold a licence.

- Funding bids eg for knife crime – AED weapon detail adds to the picture of knife crime held by police.

- Service redesign (falls) – over 65s attendances at AED for a fall.

Thank you
Any questions?