

Merseyside Violence Reduction Partnership & Merseyside Fire & Rescue Service (MFRS)

Beacon Project



MERSEYSIDE
FIRE & RESCUE
SERVICE

MERSEYSIDE
Violence
Reduction
Partnership



Beacon Project

Beacon is an alternative education and skill development course that targets selected children who meet the course criteria, in primary and secondary schools in Merseyside.

Beacon targets children who may benefit from outside school activities to develop skills that will assist them through education and engagement with school and the community.

“The aim of the project is to create safety ambassadors within our community to empower children to make better life choices. It's about empowering children to build their confidence and develop their teamwork, supporting them to work with others. So that's the aim of the project really, to give those children the tools that they need in life to support them in making better life choices.”



Course Overview



- A 6 week (primary) or 12 week (secondary), 1-day per week course during term time
- Facilitated at a number of community fire stations across Merseyside
- Give pupils the opportunity to take part in an educational learning experience outside of the school or peer group environment
- Create a therapeutic environment with trauma informed practices
- Children referred must meet course criteria (ACE's, trauma, poor attendance, anxiety, transition to secondary school etc)
- 12 pupils per course / 2 instructors.

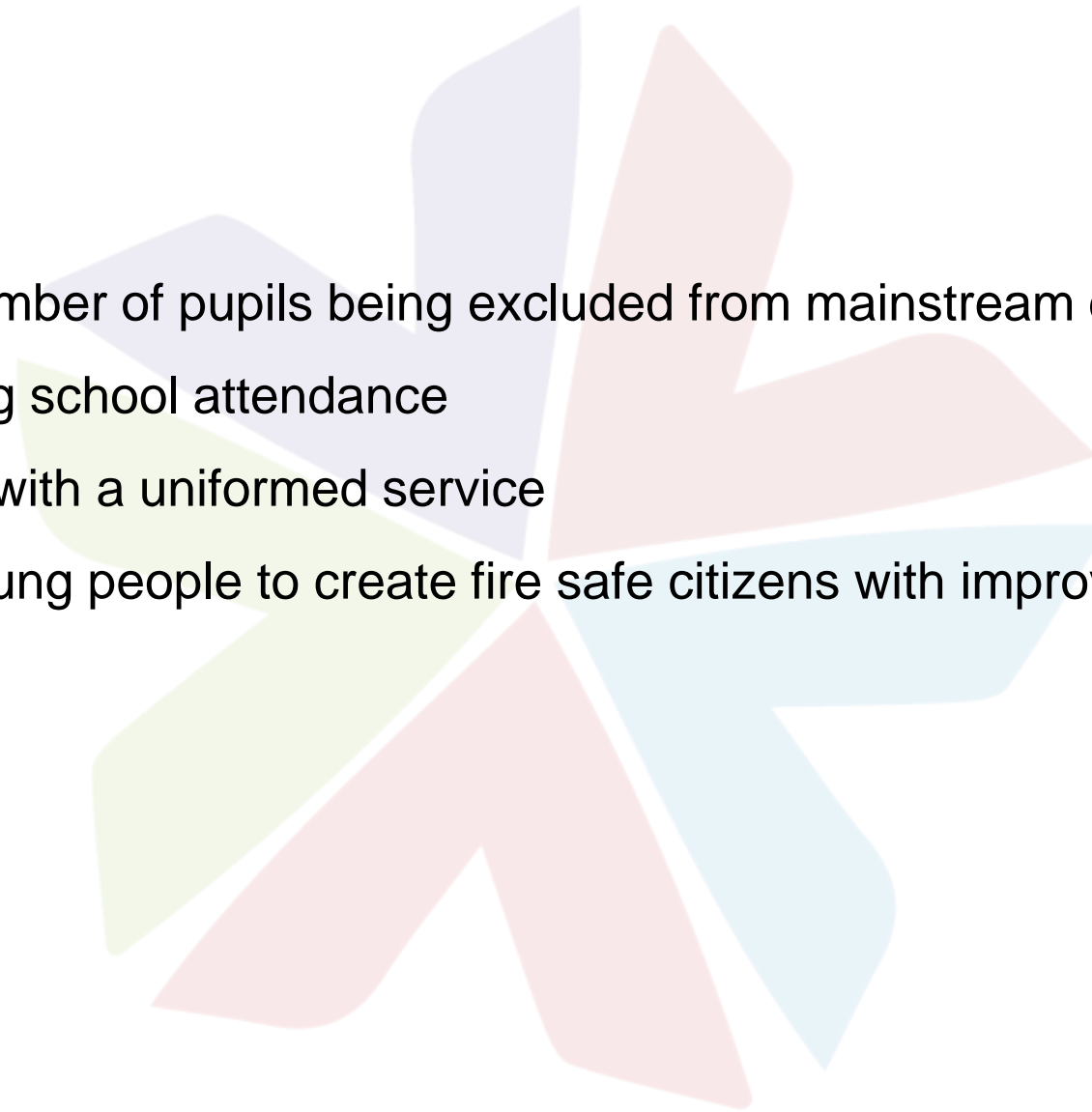
Aim

- Provide safe, fun, enriching & fun experiences
- To develop healthy relationships
- Encourage self development
- To develop communication & teambuilding skills
- Improve personal, social & educational development
- To develop good citizenship and positive life choices
- Focus on prevention & early development



Objective

- To help reduce the number of pupils being excluded from mainstream education and contribute to improving school attendance
- Positive engagement with a uniformed service
- Engage & educate young people to create fire safe citizens with improved social and morally responsible behaviour
- Gain certification



Activities

Key activities during the course included:

- Morning `check in` to ensure students were physically and mentally prepared for the day
- First Aid Awareness
- Practical fire service activities – Hose drills,
- Teambuilding, communication and resilience building activities - Smoke House, Rat Run
- Community safety awareness – home safety, hoax calls, and arson
- Road and Water Safety
- Child exploitation / healthy relationships and for secondary school children violence prevention
- Team lunch & social skills
- End of course `pass out` presentation



Outcomes

Pupil Outcomes

- Improved friendships/relationships
- Road Safety Awareness
- Fire Safety Awareness (home safety, fire escape plans, bonfire/fireworks safety)
- Positive engagement with a uniformed service
- Develop resilience
- Increased self esteem

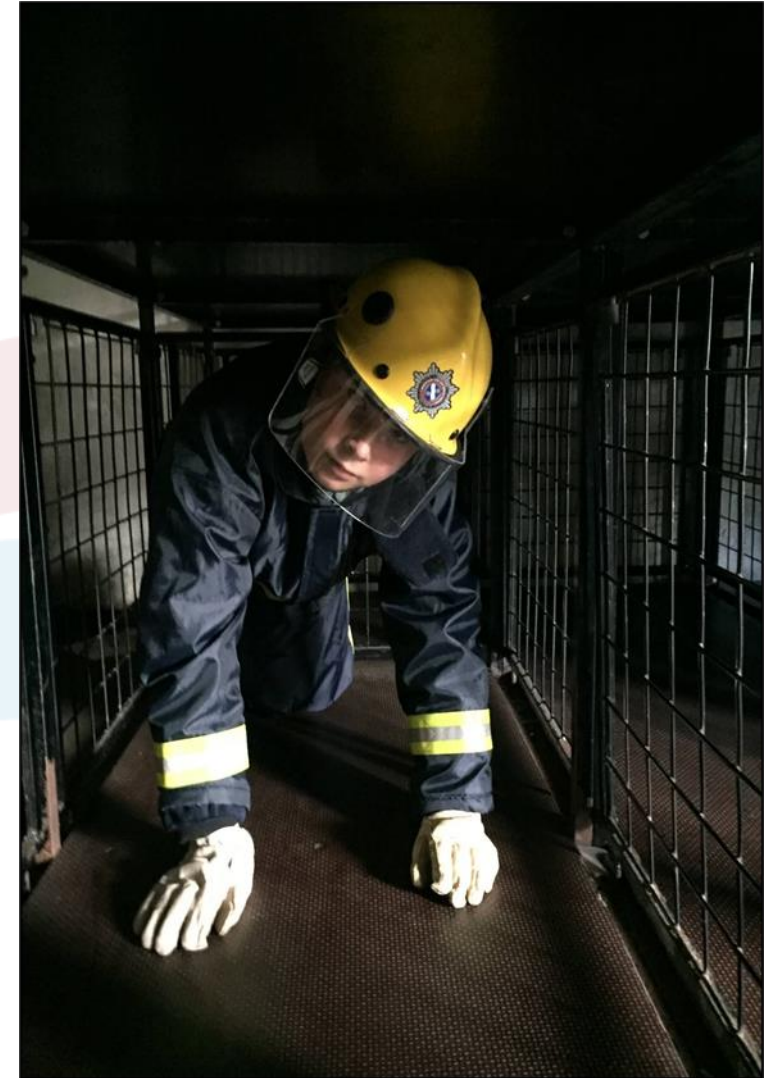
School Outcomes

- Wanting to go to school
- Improved attendance
- Being more participative in the classroom
- Making friends more easily
- Improved confidence / Improved resilience
- More respectful to teaching staff
- Increased Aspirations

Home Outcomes

- Wanting to go to school
- Improved attendance
- Educating caregivers about home safety/smoke alarms/overloading electrical sockets
- Educating parents/siblings in first aid (e.g. recovery position)
- Create fire safety citizens

Course Activities



Course Activities



Feedback

Teachers

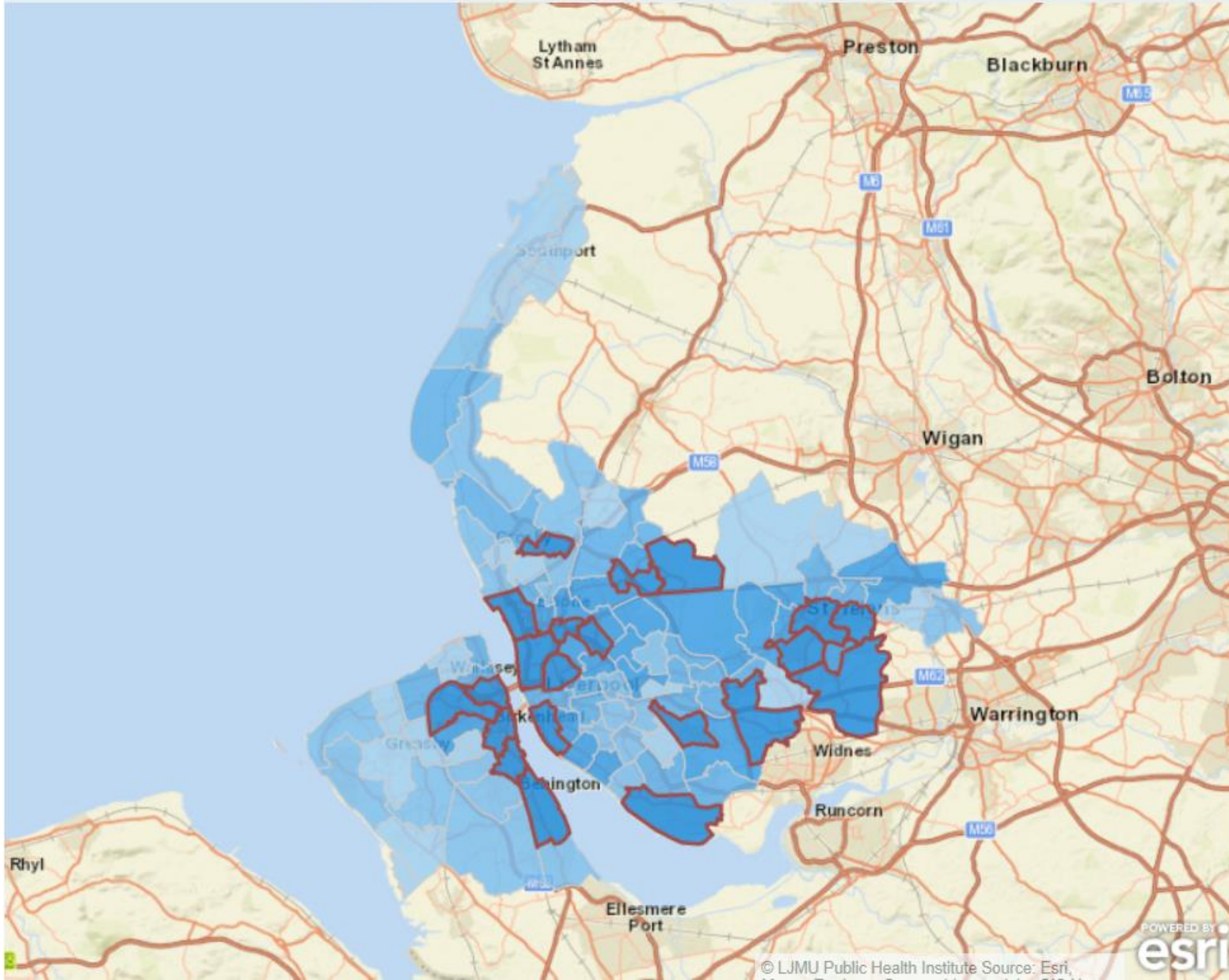
- “An improved attitude to lessons and I have noticed an increase in maturity when dealing with conflict with friends”
- “So impressed with the confidence this child has developed, which has improved so much that he is now putting his hand up in the classroom and has been raising his voice at a higher level”
- “She is showing such confidence in sessions at school that we have not seen before”
- “The children look forward to coming each week and have learnt valuable life skills that they have passed on to their classmates”
- “The Beacon Project is a fantastic opportunity for our children. They are now talking about a future in the fire service , so this has raised their aspirations. They have pushed themselves out of their comfort zones and found they can achieve , so it really has raised their self-esteem”

Pupils

- “I liked everything because I learnt lots of new things and how to work in a team”
- “I learned not to cross roads without looking”
- “I made lots of new friends and I’m very proud of getting my certificate on the last day”
- “My mum is like, how do you know all this from a small fire course for 6 weeks on a Wednesday”
- “I’ve always been scared of police and fire engines but now I like them”






TIIG Data Hub – Beacon Project

Fire and Rescue Service >> Fire Incidents [Rates] Year (2021)

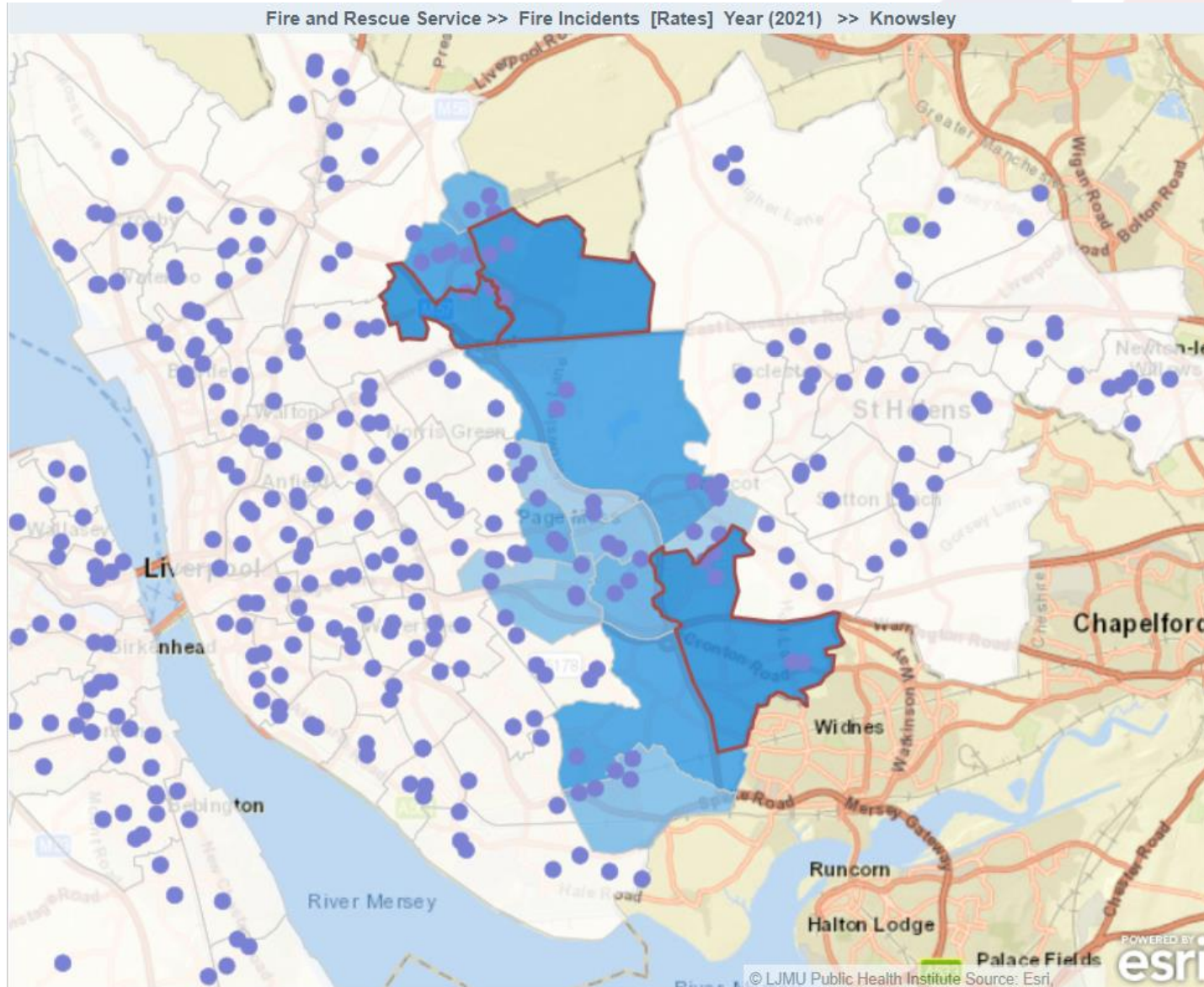


Arson map for hotspot locations across Merseyside

Key and features selection

- Ward District Areas
-  0.0 - 110.5
-  > 110.5 - 160.2
-  > 160.2 - 249.3
-  > 249.3 - 383.1
-  > 383.1 - 1,052.9

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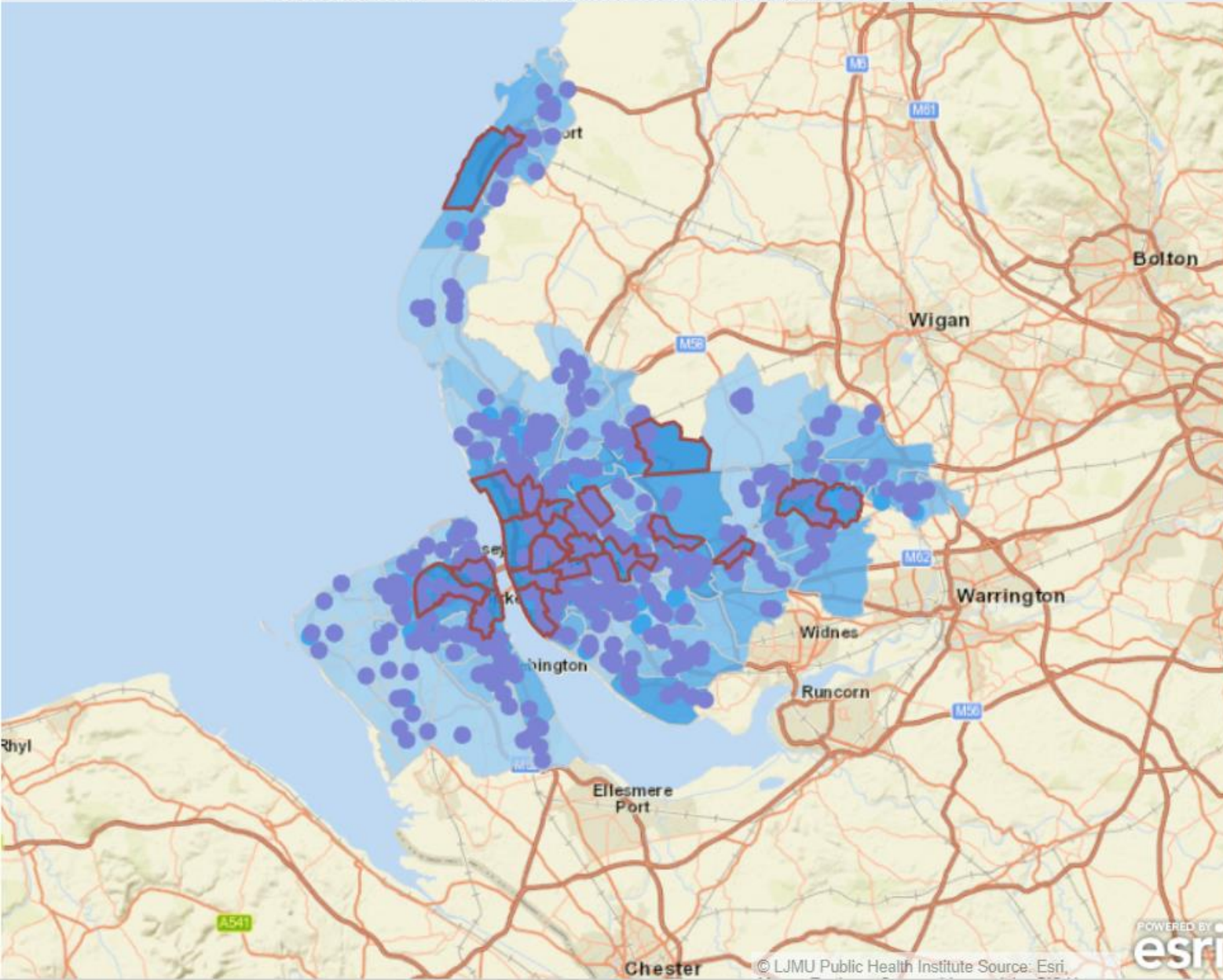
Arson map for hotspot locations for Knowsley

Identifies 3 hotspots

School layer visible

TIIG Data Hub – Beacon Project

Police Crime Data >> Violence Against Person Incidents [Rates] Year (2021)



Merseyside Violence
hotspot map

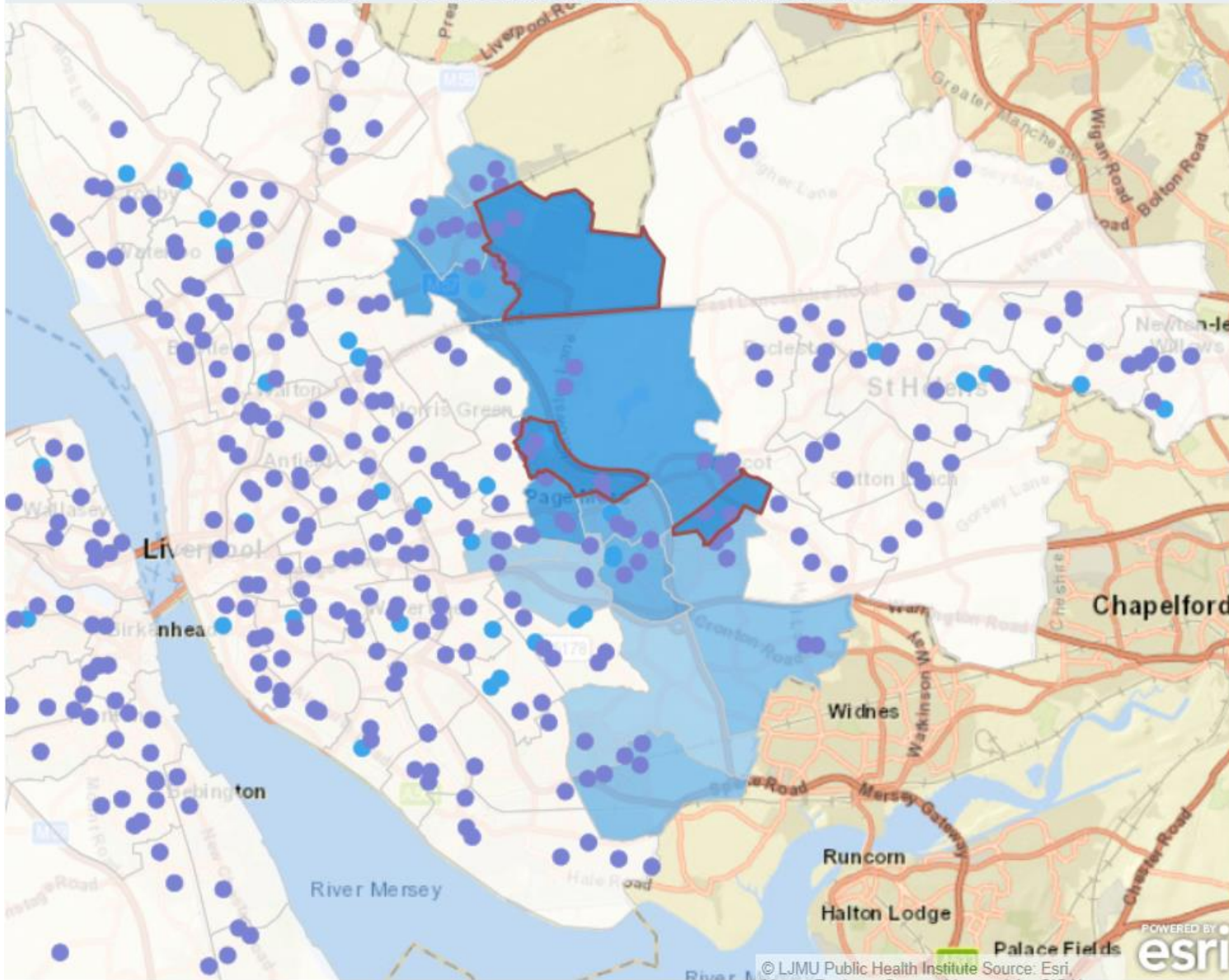
School Layer visible

Key and features selection

- Ward District Areas
- 641.2 - 1,290.5
- > 1,290.5 - 1,942.1
- > 1,942.1 - 2,748.9
- > 2,748.9 - 3,780.8
- > 3,780.8 - 9,335.0

TIIG Data Hub – Beacon Project

Police Crime Data >> Violence Against Person Incidents [Rates] Year (2021) >> Knowsley








Knowsley Violence hotspot map

School Layer visible

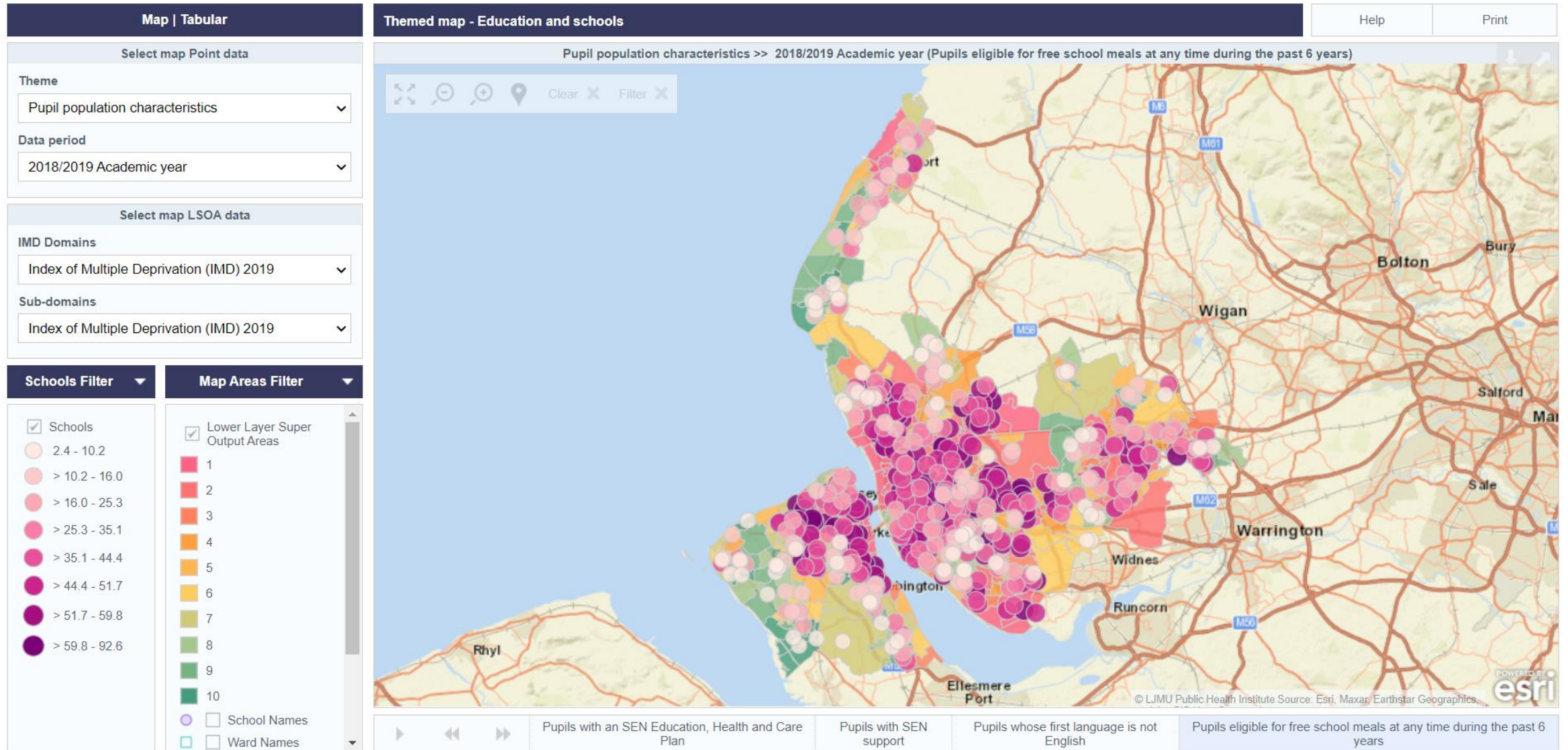
Hotspot is similar to that shown in the Arson data layer

Key and features selection

- Ward District Areas
-  641.2 - 1,290.5
-  > 1,290.5 - 1,942.1
-  > 1,942.1 - 2,748.9
-  > 2,748.9 - 3,780.8
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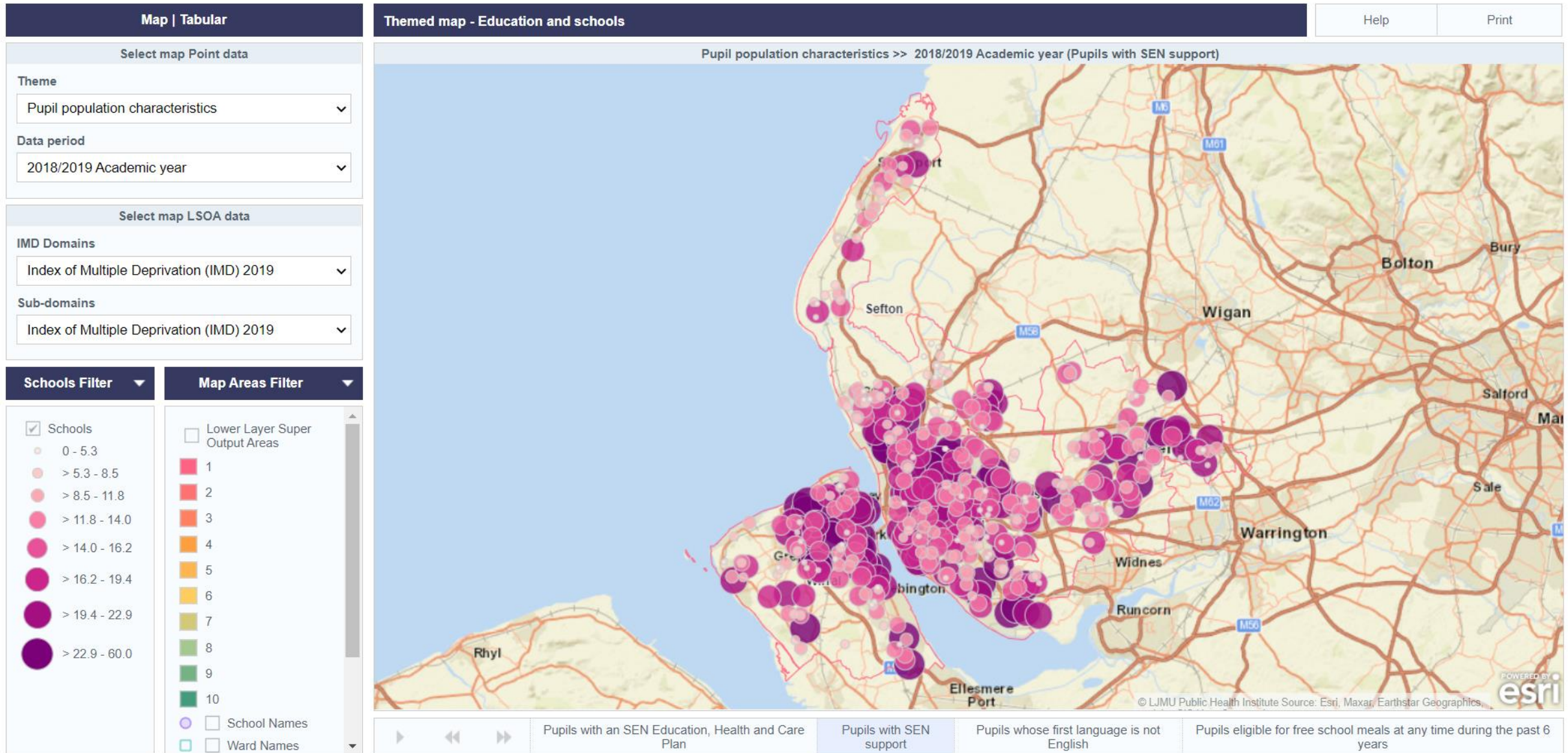
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Education map



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Education map filtered for schools with the highest SEN support requirements in Merseyside



TIIG Data Hub – Beacon Project

Education tabular function

Filtered for Knowsley & primary schools

Result – ordered list of school with highest SEN Support

Map | Tabular
Help
Print

Select map Point data

Theme
Pupil population characteristics

Data period
2018/2019 Academic year

Select map LSOA data

IMD Domains
Index of Multiple Deprivation (IMD) 2019

Sub-domains
Index of Multiple Deprivation (IMD) 2019

Schools Filter
 Schools

Map Areas Filter
 Lower Layer Super Output Areas

2018/2019 Academic year (Pupils with SEN support)					
School name	Percent	Count	Total pupils on school roll	Percent Boys on roll	Percent Girls on roll
● Yew Tree Primary Academy	29.4	73	248	42.3	57.7
● St Mary and St Paul's CofE Primary School	28.9	61	211	46.4	53.6
● St Albert's Catholic Primary School	27.2	56	206	48.1	51.9
● Northwood Community Primary School (With Designated Special Provision)	25.0	127	507	44.2	55.8
● Hope Primary School - A Joint Catholic and Church of England Primary School	22.1	89	402	52.7	47.3
● Roby Park Primary School	21.7	41	189	49.7	50.3
● St Marie's Catholic Primary School	20.2	52	257	44.7	55.3
● St Laurence's Catholic Primary School	20.0	75	375	51.2	48.8
● St Brigid's Catholic Primary School	19.7	46	233	48.1	51.9
● Eastcroft Park School	19.5	40	205	49.3	50.7
● Sylvester Primary Academy	19.2	46	239	51.5	48.5
● St.Columba's Catholic...					

Pupil population characteristics
<https://www.compare-school-performance.service.gov.uk>

Type of school or college:

- Academy - government funded but run by an academy trust rather than a local authority.
- College - colleges generally are focused on the 16 to 18 phase of education and provide vocational as well as academic courses. Some colleges also provide for full-time study at key stage 4.
- Independent school - privately funded.
- Maintained school - government funded and run by a local authority.
- Special school - schools that specialise in educating pupils with special educational needs.

Data items:

- Total number of pupils on school roll (all ages).
- Percentage Girls on roll.
- Percentage Boys on roll.
- Pupils with an Special Educational Needs (SEN) Education, Health and Care Plan.
- Pupils with Special Educational Needs (SEN) Support.
- Pupils whose first language is not English.
- Pupils eligible for free school meals at any time during the past 6 years.

Indices of Multiple Deprivation (IMD) 2019

The English Indices of Deprivation 2019 use 39 separate indicators, organised across seven distinct domains of deprivation which can be combined, using appropriate weights, to calculate the Index of Multiple Deprivation 2019 (IMD 2019). This is an overall measure of multiple deprivation experienced by people living in an area and is calculated for every Lower layer Super Output Area (LSOA) in England. The IMD 2019 can be used to rank every LSOA in England according to their relative level of deprivation.
<https://data-communities.opendata.arcgis.com/datasets/communities>

Domains of deprivation:

For each measure, the LSOA with a rank of 1 is the most deprived and the LSOA with a rank of 32,844 is the least deprived. The deciles are calculated by ranking the 32,844 LSOAs in England from most deprived to least deprived and dividing them into 10 equal groups. LSOAs in decile 1 fall within the most deprived 10% of LSOAs nationally and LSOAs in decile 10 fall within the least deprived 10% of LSOAs nationally.

The Index of Multiple Deprivation (IMD) is an overall relative measure of deprivation constructed by combining seven domains of deprivation according to their respective weights, as described below. The seven domains of deprivation are as follows:

- The Income Deprivation Domain measures the proportion of the population experiencing...

Additional commentary notes:

- Whilst the majority of absenteeism and exclusion will relate to the geographical areas surrounding the schools, as traditional catchment areas do not exist, there is the potential for an element of the data to relate to another area.
- Data from Spring 2019 onwards is not comparable with previous years because of the impact of covid 19.

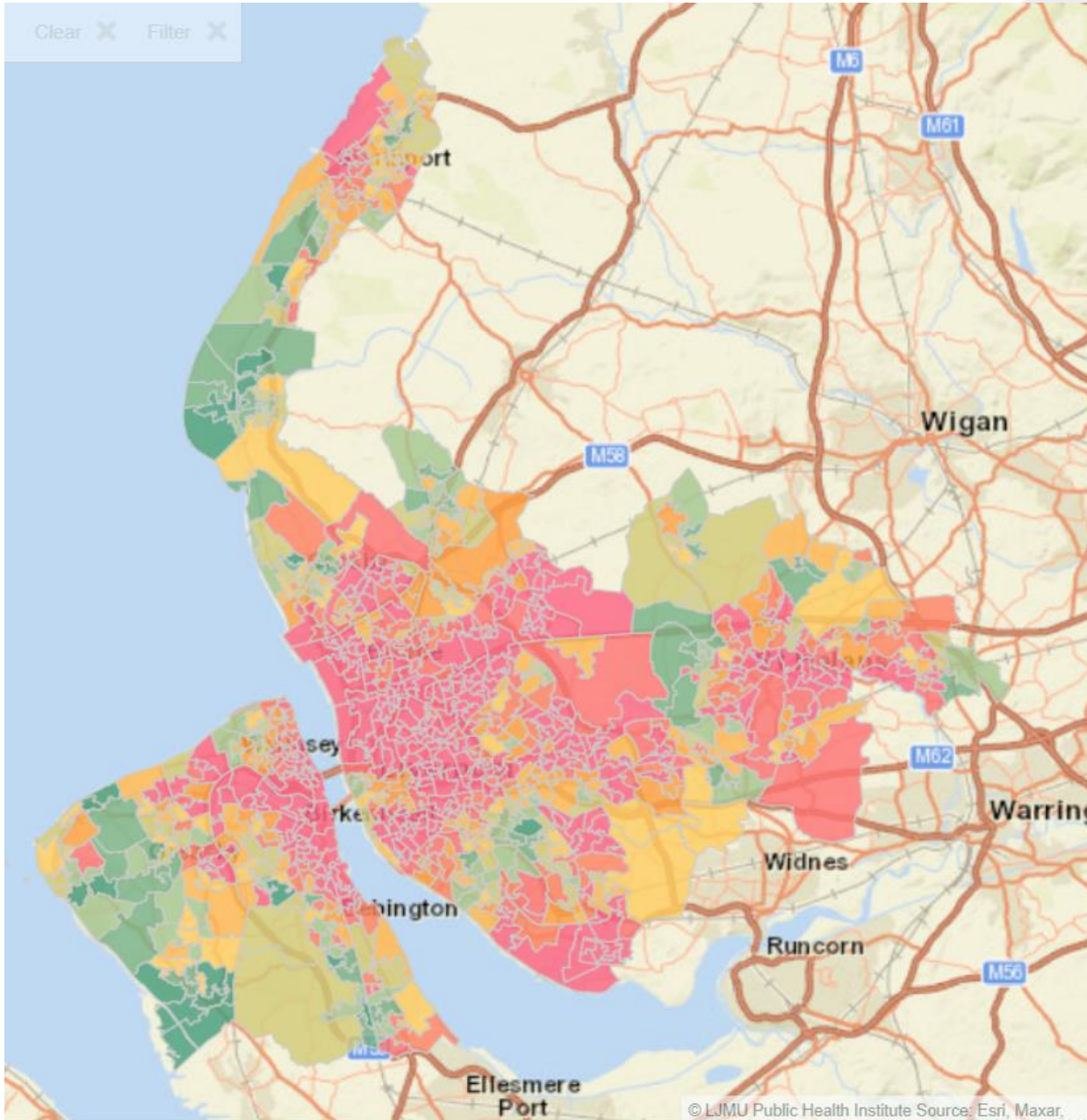
Clear Filter

Additional filters:
 Pupils with an SEN Education, Health and Care Plan
 Pupils with SEN support
 Pupils whose first language is not English
 Pupils eligible for free school meals at any time during the past 6 years

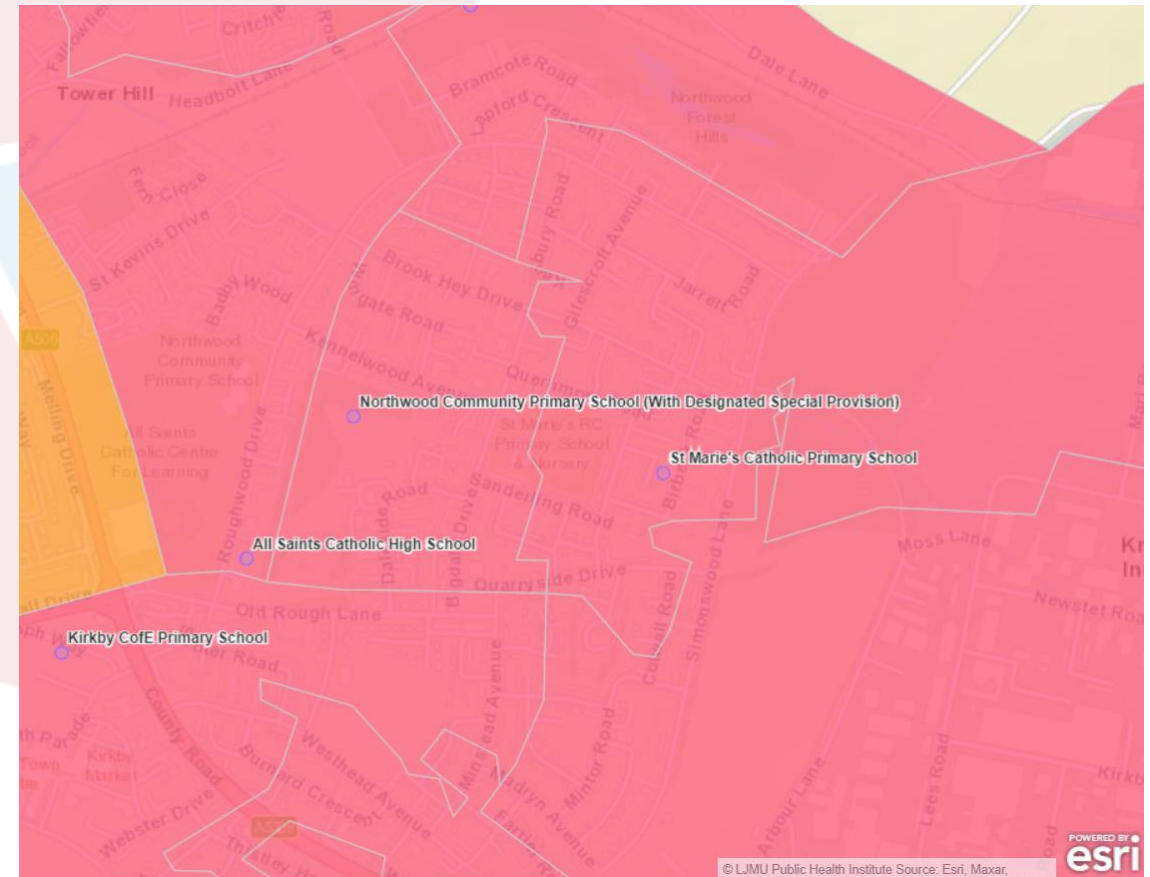
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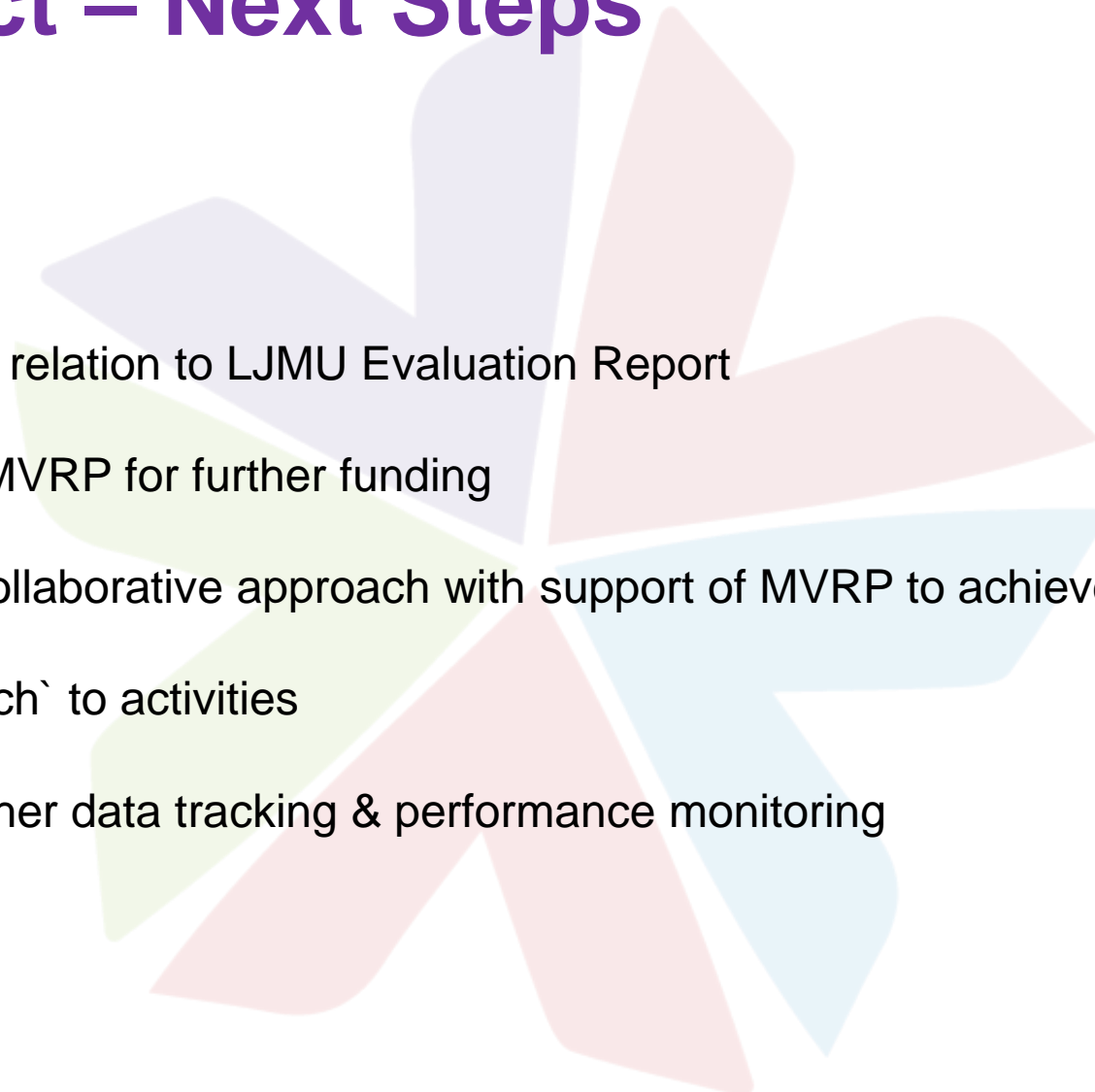
Merseyside map with IMD by LSOA
(right)



Snapshot zoomed in to show
Northwood, Knowsley within a top
deprivation LSOA (number 1 on the
scale) (below)



Beacon Project – Next Steps

- 
- ❖ Action plans in relation to LJMU Evaluation Report
 - ❖ Submit bid to MVRP for further funding
 - ❖ Explore new collaborative approach with support of MVRP to achieve `Whole Family Approach` to activities
 - ❖ Implement further data tracking & performance monitoring

Questions?

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