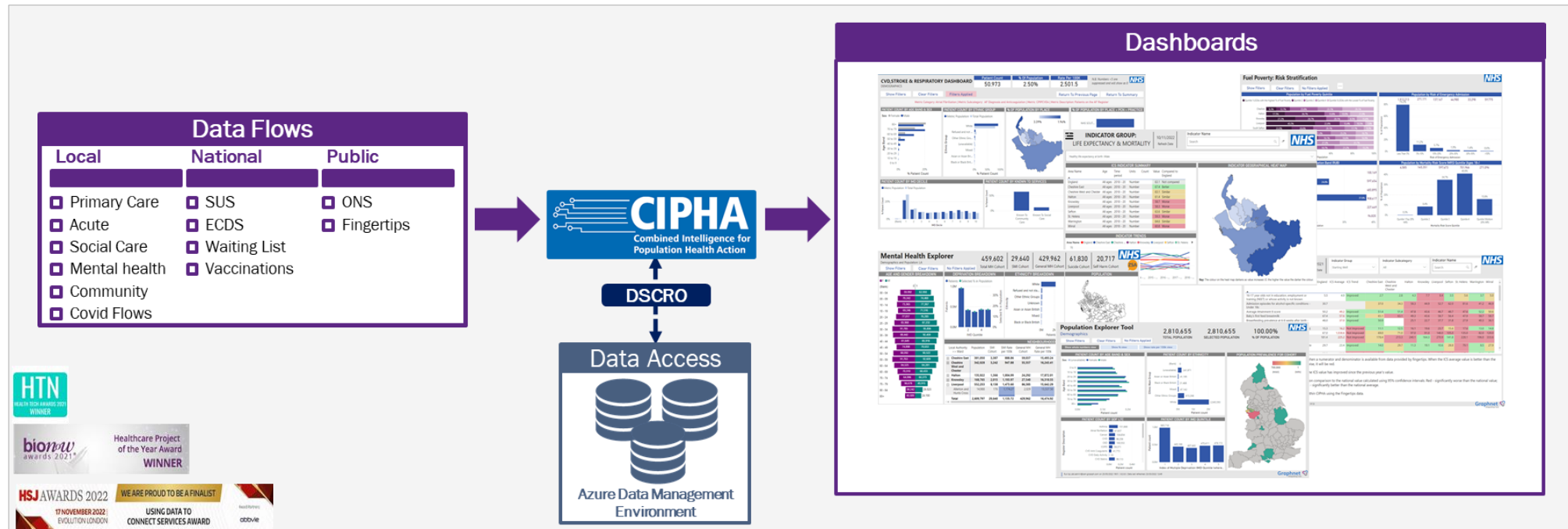


# What is CIPHA?

CIPHA is a population health management platform that collects patient-level data for Cheshire & Merseyside patients to produce dashboards and provide secure data access

Combined Intelligence for Population Health Action (CIPHA) is aimed at improving the health of an entire population by delivering **actionable** dashboards.

Our Tier 2 Population Health Data Sharing Agreement underpins the CIPHA operating model and has been signed by ~400 data controllers in Cheshire & Merseyside ICS. Our data controllers include Providers, GP practices, Places, Local Authorities, Social care, Community & Mental health organisations.



# CIPHA Fuel Poverty Dashboard – Overview

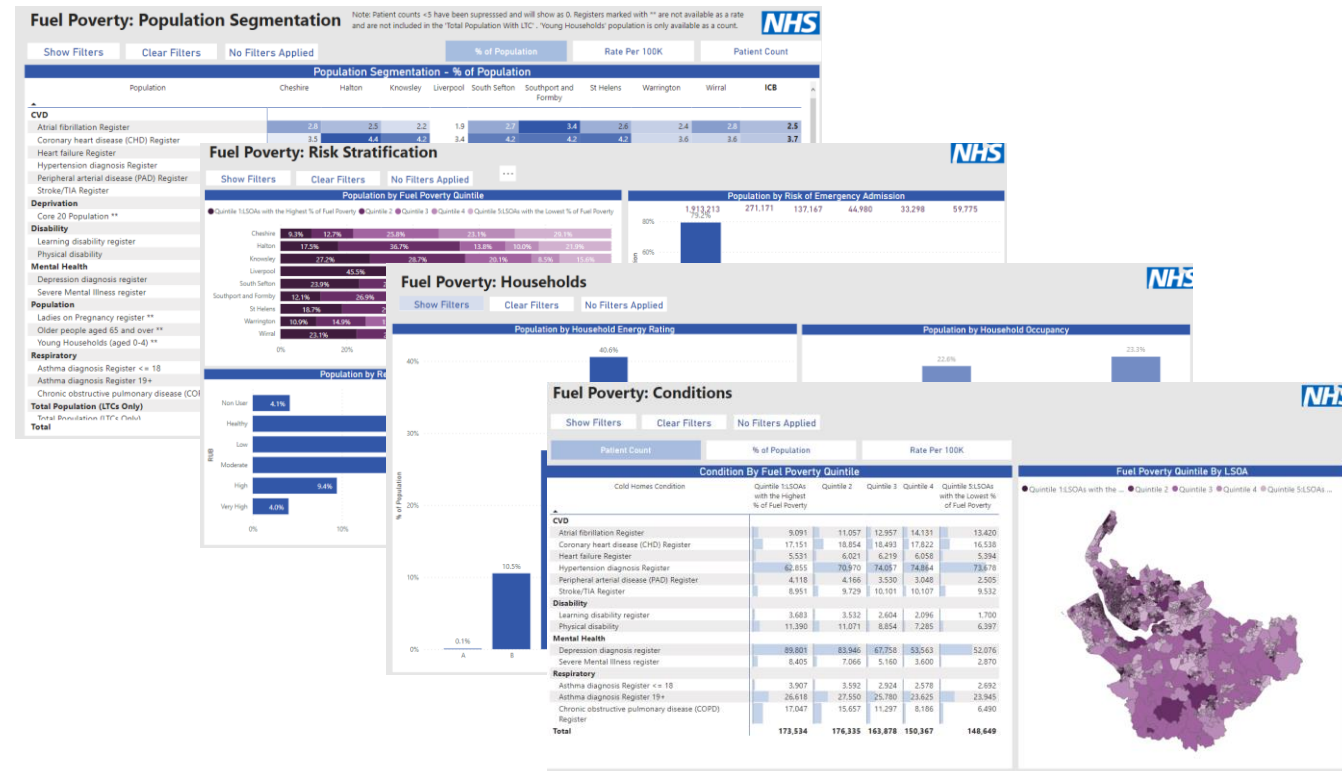
This dashboard identifies patients at risk of a cold home based on the NICE definition of fuel poverty and their primary care record

This dashboard is designed to inform fuel poverty/cold homes planning for winter in terms of volumes of patients potentially affected and thus help understand pressures and develop effective interventions.

Linking data from the National fuel poverty data to the individual patient records within CIPHA, we can understand the proportion of citizens in a place that are likely to be at highest risk of fuel poverty.

## Functionality

- Shows breakdown of C&M population by
  - NICE 'cold homes' criteria
  - ICB/ Place/ PCN/ Practice & Local authority/ Ward/ LSOA
  - Conditions & Disease registers
  - Risk factors (emergency admission, mortality, resource)
  - Energy Rating (EPC)
- Filter by geographic, demographic, condition & risk factors
- Drill-through to identify patients populating any element of any chart in the dashboard (*in development*)



## Data Sources



# Fuel Poverty- Identifying a cohort at risk

## How to use the tool to identify the target cohort for fuel poverty

Cohort summary:

- Has COPD
- Lives in the highest Fuel poverty Quintile
- Has >50% probability of emergency admission
- Doesn't live in a care home

1

From any page, click on the 'Show filters button'

2

Select Quintile 1 from the 'Fuel poverty Quintile' drop down box

3

Select 'COPD' from 'QOF condition' drop down box

**Fuel Poverty: Population Segmentation**

Registers marked with "\*" are not available as a rate and are not included in the 'Total Population With LTC'. "Young Households" population is only available as a count.

	Cheshire	Halton	Knowsley	Liverpool	South Sefton	Southport And Formby	St Helens	Warrington	Wirral	ICB
<b>CVD</b>										
Atrial fibrillation Register	18,960	3,081	3,483	10,190	3,779	3,960	4,534	4,964	8,556	61,407
Coronary heart disease (CHD) Register	23,902	5,355	6,543	18,195	5,848	4,872	7,305	7,550	11,023	90,593
Heart failure Register	8,900	1,409	1,773	5,840	2,049	1,661	1,870	2,159	4,117	29,787
Hypertension diagnosis Register	105,191	19,244	23,830	68,668	22,094	19,845	28,860	30,167	44,417	362,316
Peripheral arterial disease (PAD) Register	4,692	1,048	1,391	3,618	1,090	798	1,363	1,324	2,107	17,431
Stroke/TIA Register	14,566	2,424	3,054	9,568	3,117	3,026	3,445	3,981	6,084	49,267
<b>Deprivation</b>										
Core 20 Population **	85,161	60,880	102,471	322,283	65,963	16,778	77,594	41,669	113,136	885,935
<b>Disability</b>										
Learning disability register	3,185	769	1,063	3,071	735	854	990	989	2,102	13,758
Physical disability	11,378	3,918	2,554	9,300	2,996	2,235	2,936	3,500	6,629	45,456
<b>Mental Health</b>										
Depression diagnosis register	91,686	19,113	24,481	72,916	20,764	15,296	28,211	29,026	52,787	354,280
Severe Mental Illness register	6,340	1,211	1,884	7,746	1,930	1,387	1,988	2,037	3,394	27,917
<b>Population</b>										
Ladies on Pregnancy register **	1,395	564	1,152	2,476	615	455	1,181	54	1,204	9,076
Older people aged 65 and over**	144,108	21,698	25,588	74,890	27,326	29,757	33,059	38,761	63,081	458,276
Young Households (aged 0-4)**	23,884	5,109	7,675	20,991	5,878	3,762	7,121	8,174	12,242	96,653
<b>Respiratory</b>										
Asthma diagnosis Register <= 18	4,670	872	940	3,074	906	727	1,192	1,326	2,467	16,174
Asthma diagnosis Register 19+	39,029	6,916	7,509	24,668	7,600	6,562	10,734	10,997	16,041	130,076
Chronic obstructive pulmonary disease (COPD) Register	12,909	3,709	5,450	16,323	3,787	2,101	4,777	3,511	6,739	59,306
<b>Total Population (LTCs Only)</b>										
Total Population (LTCs Only)	231,342	44,071	54,367	162,636	49,436	41,711	64,397	68,807	110,209	826,976
<b>Total</b>	<b>358,819</b>	<b>88,244</b>	<b>125,935</b>	<b>397,118</b>	<b>99,880</b>	<b>64,652</b>	<b>122,979</b>	<b>114,080</b>	<b>266,997</b>	<b>1,577,804</b>

**Fuel Poverty: Population Segmentation**

Registers marked with "\*" are not available as a rate and are not included in the 'Total Population With LTCs' population is only available as a count.

Hide Filters | Clear Filters | Filters Applied

	% of Population	Rate Per 100K
Age		
0		111
IMD Quintile	All	
QOF LTC Count	All	
Sex		
All		
LA. Ward, LSOA		
All		
QOF Condition		
COPD		
Place, PCN, Practice		
All		
Ethnicity		
All		
Expanded Diagnostic Cluster (EDC)		
All		
Nursing Home Flag		
N		
Fuel Poverty Quintile		
Quintile 1:LSOAs with the Highest % of Fuel Pov...		
Risk of Emergency Admission		
>50%		
Household Occupancy		
All		
Household Energy Rating		
All		
MRS Quintile		
All		
Emergency Admissions Count (Last 12M)		
0		45
Emergency Admission Specialty (Last 12M)		
All		
Patient Need Group		
All		
Optimum Inhaler Therapy (Last 12M)		
All		
Gold Standards Framework Register		
All		

4

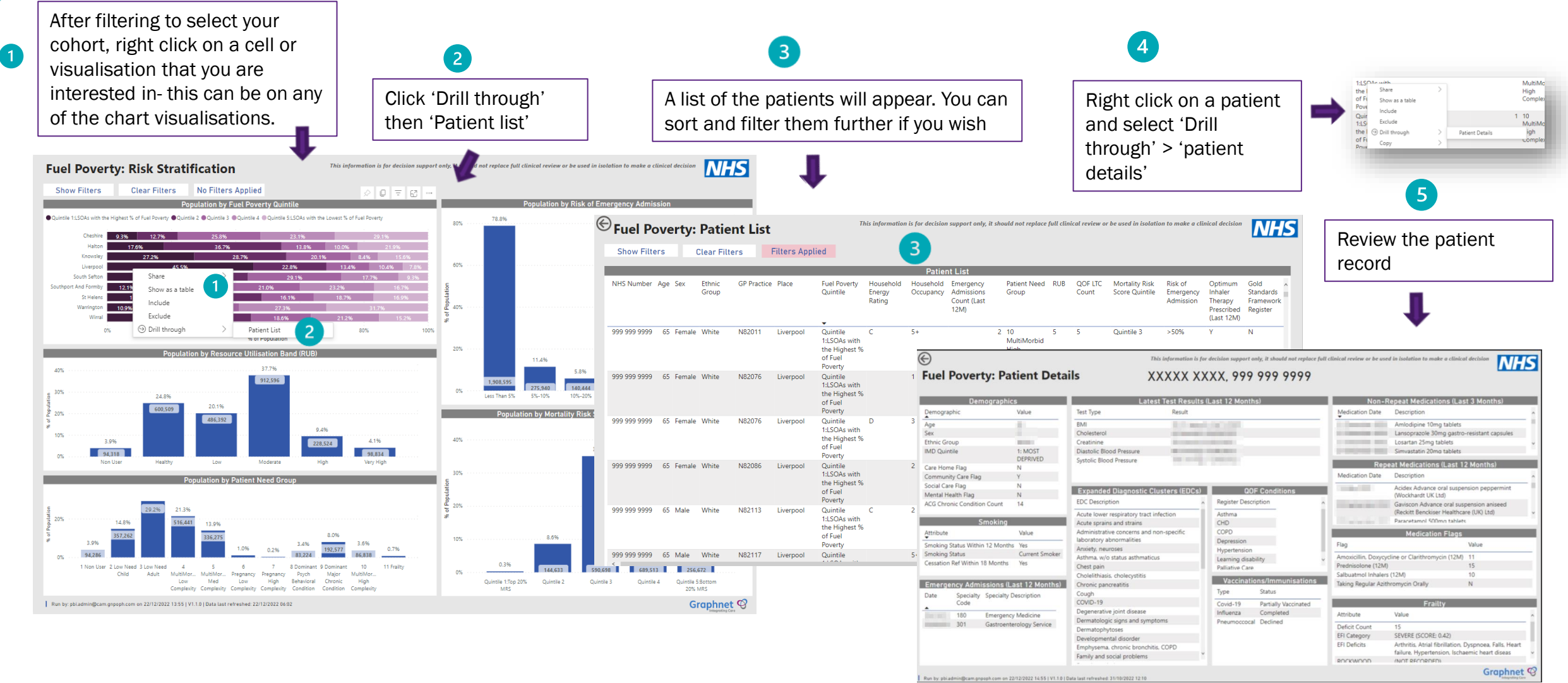
Select >50% from Risk of emergency admission

5

Nursing home Flag drop down set to 'N'

# Fuel Poverty- Identifying a patient

## How to use the tool to identify patients at risk due to fuel poverty



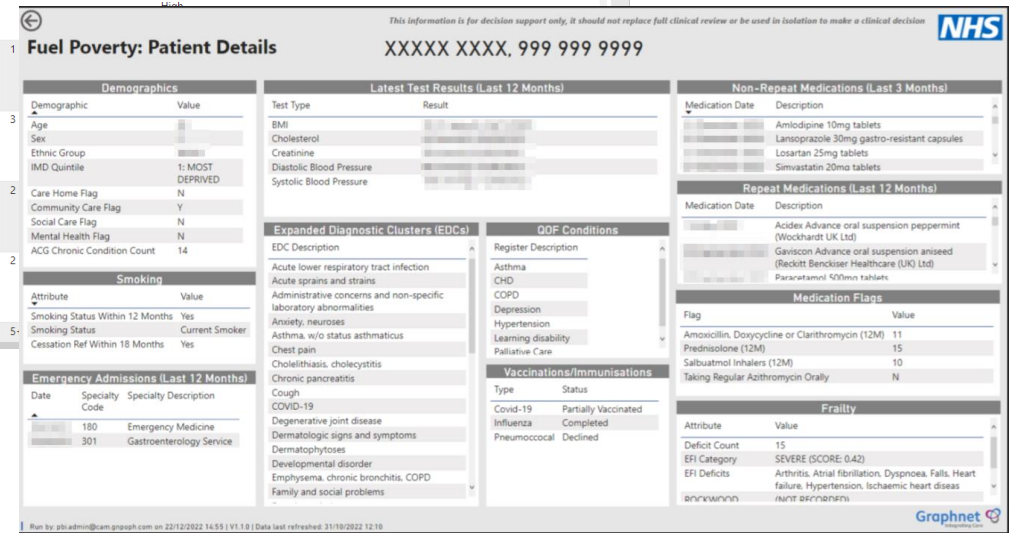
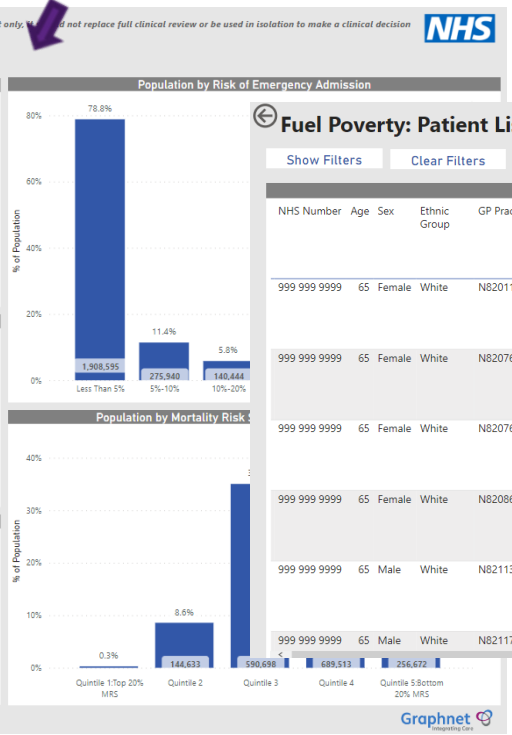
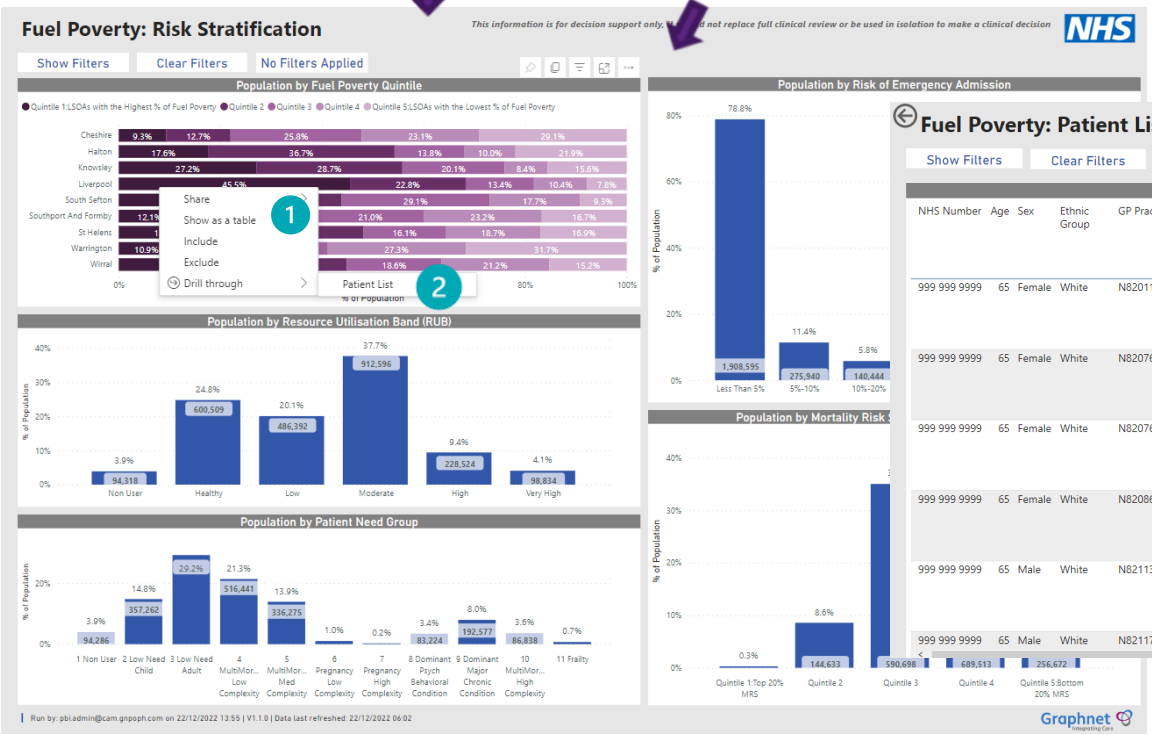
1 After filtering to select your cohort, right click on a cell or visualisation that you are interested in- this can be on any of the chart visualisations.

2 Click 'Drill through' then 'Patient list'

3 A list of the patients will appear. You can sort and filter them further if you wish

4 Right click on a patient and select 'Drill through' > 'patient details'

5 Review the patient record





## Further Guidance



The following video links provide further training on how to use the fuel poverty dashboard:

- Video 1 CIPHA – Fuel Poverty Overview - <https://youtu.be/ONB3pkh7PGg>
- Video 2 CIPHA – Fuel Poverty Filtering Overview - [https://youtu.be/GFJF3my\\_bvs](https://youtu.be/GFJF3my_bvs)
- Video 3 CIPHA – Fuel Poverty Filtering -COPD Patient Examples - <https://youtu.be/t9wF4psQi1c>
- Video 4 -CIPHA – Fuel poverty -Drilling down to a patient <https://youtu.be/2L787CaSol8>
- Video 5 -CIPHA Fuel Poverty -Explaining the fuel poverty drill down page <https://youtu.be/CG9biQVsDPI>