



Hertfordshire and
West Essex Integrated
Care System



Hertfordshire and
West Essex
Integrated Care Board

Primary Care Networks Overview Pack

STEVENAGE NORTH PCN

Pack produced - January 2023 - NHS Hertfordshire & West Essex ICB

Produced by Hertfordshire & West Essex ICB's - Population Health Management & Public Health Teams



Working together
for a healthier future

Population Health Management



Population Health Management (PHM) is a partnership approach across the NHS and other public services including councils, the public, schools, fire service, voluntary sector, housing associations, social services and police. All have a role to play in addressing the interdependent issues that affect people's health and wellbeing.

The coronavirus (COVID-19) pandemic has further highlighted the known link between poorer health outcomes, ethnicity and deprivation. Integrated care systems, working with the local authority and the voluntary sector, have used PHM to identify people who need more support and those with the most complex needs within their localities, so that efforts can be targeted to protect certain populations through personalised care models, public health advice, testing and vaccination programmes.

For the public, it should mean that health and care services are more proactive in helping people to manage their health and wellbeing, provide more personalised care when it's needed and that local services are working together to offer a wider range of support closer to people's homes.

For doctors, nurses, social care, therapists and other frontline staff, this should mean greater support and insight from integrated care systems to enable care and support to be designed and proactively delivered to meet individual needs – it should mean less duplication and a reduction in workload pressures as it ensures the right care is given at the right time by the right person.

For local councils, health care managers and clinicians who commission services – greater understanding of the local population will ensure they can better predict what residents need. PCNs are key to this, as health and care providers work together and take collective responsibility for the care and support offered to improve outcomes, they can use their resources to keep people healthier.

Key Messages

Stevenage North PCN can be seen with a lower over 65 population and higher population in the age category 0-14 compared to England. About 50% of people live within the 5 most deprived deciles (1-5). 28.7% population have at least 1 Long Term Condition. 4.6% have more than 5 LTCs compared to 5.6% for the ICB. The population pyramid shows a higher profile to England for those living with long term conditions, with the exception of the age categories 65-90+ which is lower.

Wider determinants analysis from Public Health Evidence and Intelligence shows Stevenage North has an overall Deprivation rating of 4 out of the 35 PCNs within the ICB. It is to be noted that it scores a substantially higher rating (indicating lower deprivation levels) than its overall rating for Environment.

The spread of patients for Stevenage North PCN indicates 27.06% of the population are not located within the Hertfordshire & West Essex boundaries; this means that this population may be accessing services outside of the ICB and the impact of coterminous alignment with neighbouring ICBs must be taken into account for this population by the PCN.

Expected population growth for Stevenage district by the Local Authority, forecasts continued increase between 2023 through to 2034 which will bring additional demands for healthcare. Projections show an expected increase in the number of people over 65 from ~14k to ~17k.

When analysing the underlying Segmentation Model data the conditions with highest per 1,000 registered prevalence that are highlighted for Stevenage North PCN are Obesity, Diabetes (both which are significantly higher than all other PCNs within the ICB) and COPD.

Urgent & Emergency Care in 2022/23 for Stevenage North PCN A&E Attendance rates per 1,000 population, is higher than the place rate.

When comparing the Ambulatory Care Sensitive rates per 1,000 population between places, the East & North place has the lowest rate in the ICB. Within East & North place, Stevenage North has a higher rate per 1,000 population, than the average.

When looking at the ACS conditions for Stevenage North the highest volume and cost is within the End of Life, Frailty and Dementia in the over 65 age group and the next highest volume and cost is for the over 65 age group in the Advanced Disease and Complexity segment as well. It is to be noted that under End of Life, Frailty and Dementia segment, there is a notable spread across 19-64 age groups for volume and cost.

Ambulatory Care Sensitive conditions of note for people aged over 65 within the Advanced Disease and Complexity, is highlighted as Heart Failure and COPD, with the highest volume and cost. For those people aged over 65 within the End of Life, Frailty & Dementia segment, COPD and Heart Failure, is highlighted with the highest volume and cost.

14.8% of the general population in HWE ICB live within the 4 most deprived deciles, whilst 16.1% of the population in the EoL, severe frailty and severe dementia segment live within the 4 most deprived deciles. In Stevenage North 38.8% of the population in the EoL, severe frailty and severe dementia segment live within the 4 most deprived deciles.

As we would expect the average number of acute and chronic conditions is significantly higher within this segment than the general population as are all activity measures. The average number of Chronic Conditions for people within Stevenage North PCN is slightly lower than the ICB, and the data shows significantly higher usage of GP services.

Within this segment we can see the presence of Diabetes, Obesity, Chronic Cardiac Disease and Heart Disease being highlighted which chimes with the reason for admission within previous analysis for ACS conditions. It is to be noted that Hypertension is high across all deciles but on par with the ICB.

For Stevenage North the data shows higher COPD and Heart Failure rates which was identified as a theme within the ACS analysis. It is to be noted that Asthma and Diabetes rates is significantly higher than the place average.

National Tool View and Population Demographics and Projections

The following slides represent screen shots from the Nationally Available Tools provided via NHSE.

The information within these tools are used by NHSE to measure and monitor progress. There is some valuable information available within these tools, however the value of these tools is realised when the information within them is triangulated with local data and intelligence.

Public Health Wider Determinants

These provide context for understanding the wider population need, so as Integrated Neighbourhood Teams develop you have a shared understanding of the health and care needs of your population to inform the development of interventions for different patient groups.



PCN Demographics - NHS England

Total Population STEVENAGE NORTH PCN

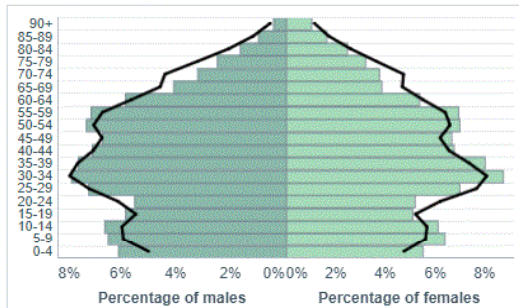
Snapshot as at: 30/06/2021

Registered population		Demographics		Prevalence		Acute utilisation		Covid	
% of total	100.0%	% White	71.8%	% with 1+ conditions	28.7%	% of annual activity (total 105,259)	100.0%	% one or more at risk conditions	17.3%
% of annual change	-9.1%	% BAME	13.5%	% with 5+ conditions	2.7%	% of annual cost (total £30M)	100.0%	% two or more at risk conditions	6.3%
		% IMD top	3.0%						
		% IMD bottom	9.6%						

Population demographics - Snapshot as at: 30/06/2021

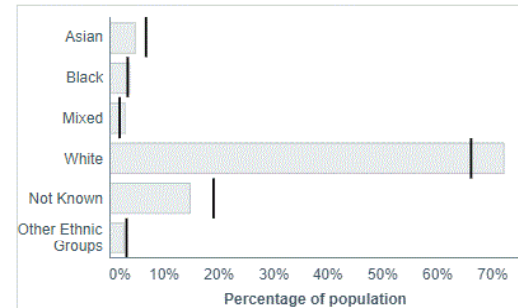
Choose benchmark:

Population pyramid



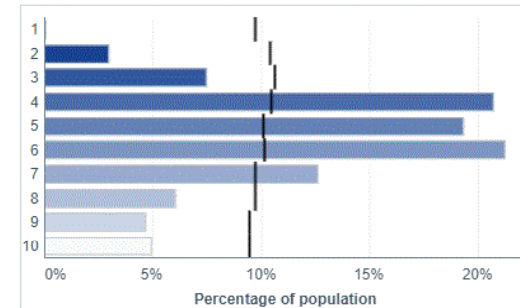
Black line represents the England average

Population proportion by ethnic category



Black line represents the England average

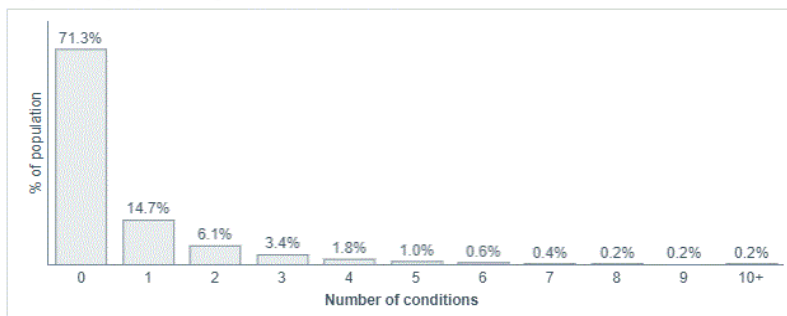
Population proportion by IM Deprivation decile



1 = most deprived 10% , 10 = least deprived 10%

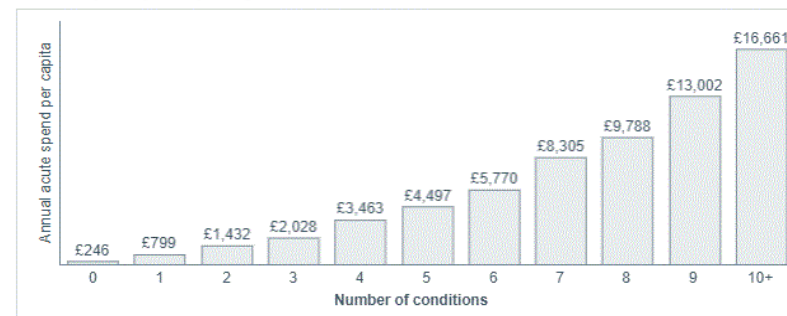
Prevalence - Snapshot as at: 30/06/2021

Population proportion by number of conditions



Annual spend per capita by number of conditions

Financial Year: 2020/21



The Population & Person Insights dashboard has provided good overall summary metrics on the PCN's total population, here we have benchmarked views on standardised demographics, such as deprivation deciles, and proportion of the PCN population by number of conditions.

Stevenage North PCN can be seen with a lower over 65 population and higher population in the age category 0-14 compared to England. About 50% of people live within the 5 most deprived deciles (1-5).

PCN Demographics - NHS England

LTC
STEVENAGE NORTH PCN

Snapshot as at: 30/06/2021

Registered population	Demographics	Prevalence	Acute utilisation	Covid
% of total: 25.0%	% White: 84.6%	% with 1+ conditions: 100.0%	% of annual activity (total 51,661): 49.1%	% one or more at risk conditions: 52.4%
% of annual change: -4.9%	% BAME: 11.9%	% with 5+ conditions: 4.6%	% of annual cost (total £13M): 42.3%	% two or more at risk conditions: 15.8%
	% IMD top: 3.3%			
	% IMD bottom: 8.9%			

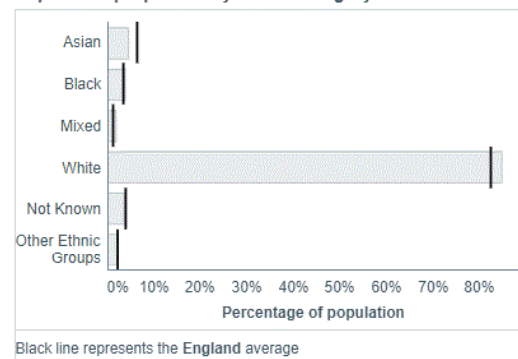
Population demographics - Snapshot as at: 30/06/2021

Choose benchmark:

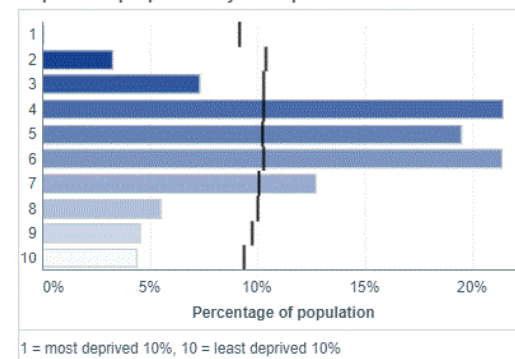
Population pyramid



Population proportion by ethnic category

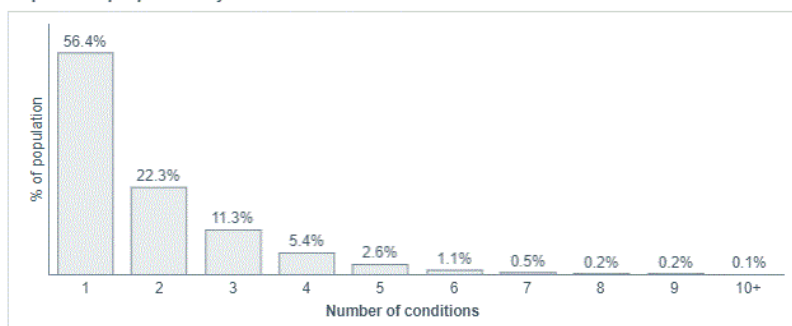


Population proportion by IM Deprivation decile



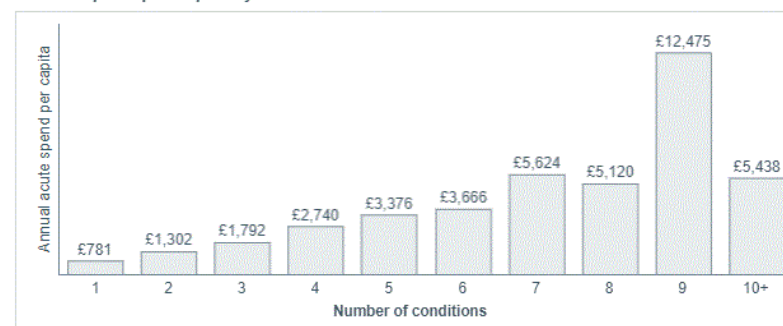
Prevalence - Snapshot as at: 30/06/2021

Population proportion by number of conditions



Annual spend per capita by number of conditions

Financial Year: 2020/21



When compared with the overall PCN demographics on the previous page, those in the PCN whom have an LTC as defined by NHS England, are benchmarked against the English averages, the view for the PCN shows us that 28.7% population have at least 1 Long Term Condition. 4.6% have more than 5 LTCs compared to 5.6% for the ICB.

The population pyramid shows a higher profile to England for those living with long term conditions, with the exception of the age categories 65-90+ which is lower.

Practice Indicators - Triggers and Levels

Practice Indicators for		CHELLS SURGERY			STANMORE MEDICAL GROUP			THE SYMONDS GREEN HEALTH CENTRE		
STEVENAGE NORTH PCN		Latest Score	Time Period	Trigger Level	Latest Score	Time Period	Trigger Level	Latest Score	Time Period	Trigger Level
Clinical Domain	Indicator Name									
Clinical Diagnosis	Detection rate Cancer	0.557	2020/21	No Trigger	0.548	2020/21	No Trigger	0.471	2020/21	No Trigger
Coronary heart disease	% AF anticoagulation therapy CHADS2-VASc score >1	87.2	2020/21	Positive	89.1	2020/21	Positive	84	2020/21	No Trigger
	% CHD aged <=79 BP reading 140/90mmHg or less	49	2020/21	Level 1	73.6	2020/21	Level 1	75.6	2020/21	Level 1
	% CHD cholesterol 5 mmol/l or less	54.9	2021/22	No Trigger	63.7	2021/22	No Trigger	64.9	2021/22	No Trigger
	% hypertension aged <=79 BP reading 140/90mmHg or less	47.9	2020/21	Level 1	67.4	2020/21	Level 1	68.7	2020/21	Level 1
Diabetes	% Diabetes aged >=40 years no CVD history without moderate or severe frailty treated with statin	82.3	2020/21	Level 1	79.5	2020/21	Level 1	89.1	2020/21	Level 1
	% Diabetes without moderate or severe frailty BP 140/80 mmHg or less	40.4	2020/21	Level 1	51.4	2020/21	Level 1	73.8	2020/21	Level 1
	% diabetes without moderate or severe frailty IFCC-HbA1c is 58 mmol/mol or less	59.2	2020/21	Level 1	54.5	2020/21	Level 1	50.2	2020/21	Level 1
Exception Rating	Overall Personalised Care Adjustment Rate	0.137	2020/21	Level 2	0.036	2020/21	No Trigger	0.043	2020/21	No Trigger
Medicines Management	% antibiotics Co-amoxiclav, Cephalosporins, Quinolones	7.8	2021/22 Q4	No Trigger	6.2	2021/22 Q4	No Trigger	5.3	2021/22 Q4	Positive
	% Naproxen and Ibuprofen	82.9	2021/22 Q4	No Trigger	69.1	2021/22 Q4	No Trigger	78.9	2021/22 Q4	No Trigger
	Antibacterial Items/Star Pu	1.045	2021/22 Q4	Positive	0.687	2021/22 Q4	Positive	0.891	2021/22 Q4	Positive
	Hypnotics ADQ/Star Pu	0.092	2021/22 Q4	Positive	0.359	2021/22 Q4	No Trigger	0.467	2021/22 Q4	No Trigger
	Oral NSAIDs ADQs/STAR-PU	6.175	2021/22 Q4	No Trigger	3.155	2021/22 Q4	No Trigger	3.077	2021/22 Q4	No Trigger
Mental Health	% first choice generic SSRIs	72	2021/22 Q4	No Trigger	70.7	2021/22 Q4	No Trigger	73.5	2021/22 Q4	No Trigger
	% MH comprehensive care plan	65.6	2020/21	Level 1	39.2	2020/21	Level 1	45.8	2020/21	Level 1
	% SMI alcohol record	97	2018/19	No Trigger	96.4	2018/19	No Trigger	90	2018/19	No Trigger
	% SMI BP record	53.5	2020/21	Level 1	60.5	2020/21	Level 1	87.5	2020/21	Level 1
	Dementia Face to Face review	68.3	2020/21	Level 1	65.5	2020/21	Level 1	88.9	2020/21	No Trigger
	Select antidepressants ADQs/STARPU	1.463	2021/22 Q4	No Trigger	1.763	2021/22 Q4	No Trigger	1.584	2021/22 Q4	No Trigger
Patient Experience	Confidence and trust in healthcare professional	85.9	2020/21	Level 1	96.4	2020/21	No Trigger	97.1	2020/21	No Trigger
	Frequency seeing preferred GP	48.7	2020/21	No Trigger	28.2	2020/21	No Trigger	61	2020/21	No Trigger
	Healthcare professional treating with care and concern	79	2020/21	No Trigger	91.9	2020/21	No Trigger	89.2	2020/21	No Trigger
	Overall experience of your GP practice	82.9	2020/21	No Trigger	83	2020/21	No Trigger	87.9	2020/21	No Trigger
	Satisfaction with appointment times	61.2	2020/21	No Trigger	59.2	2020/21	No Trigger	77.5	2020/21	No Trigger
Public Health	% Child Imms DTaP/IPV/Hib/HepB (age 1 year)	94.9	2020/21	Level 1	97.7	2020/21	No Trigger	96.9	2020/21	No Trigger
	% Child Imms Hib/MenC booster	97.7	2020/21	No Trigger	95.9	2020/21	No Trigger	98.5	2020/21	No Trigger
	% Child Imms MMR (Age 2 yrs)	97.7	2020/21	No Trigger	95.2	2020/21	No Trigger	100	2020/21	Positive
	% Child Imms PCV Booster	96.8	2020/21	No Trigger	95.4	2020/21	No Trigger	97.1	2020/21	No Trigger
	Cervical Screening	74.1	2021/22 Q4	Level 1	71.8	2021/22 Q4	Level 1	71.7	2021/22 Q4	Level 1
Respiratory	% Asthma review in last 6 mths	64.5	2020/21	Level 1	50.7	2020/21	Level 1	76.8	2020/21	No Trigger
	% Asthma spirometry and one other objective test	0	2020/21	No Data Available	21.1	2020/21	Level 1	0	2020/21	No Data Available
	% COPD with review in last 12 mths	41.1	2020/21	Level 1	83.9	2020/21	Level 1	76.3	2020/21	Level 1
	% LTC patients who smoke	15.2	2020/21	No Trigger	15	2020/21	No Trigger	14.2	2020/21	No Trigger
	% LTC Smoker offer support	93.8	2020/21	Level 1	98.7	2020/21	No Trigger	97.9	2020/21	No Trigger
	% Smoking patients over 15 recorded	69	2021/22	No Trigger	78.2	2021/22	No Trigger	66.1	2021/22	No Trigger
	% Smoking status recorded	84.2	2020/21	Level 1	95.7	2020/21	No Trigger	93.3	2020/21	No Trigger
	% w. MRC dyspnoea score >=3 w. offer of referral to pulm. rehab. Clinic	66.7	2020/21	Level 1	88.5	2020/21	Level 1	100	2020/21	No Trigger

Primary Care clinical domain indicators as provided by NHS England as highlighted here with Trigger Levels against each, and represents a consolidation of data sets, designed to reduce the burden on GPs following these outlier identification. This indicator set is to support quality assurance and improvement of GP services; here, the higher the Level indicated, the more indicative of risk that has been found for that indicator.

The Practices have opportunities for every Level 1 indicated metric; however, any Level 2 indicator must be reviewed; guidance on this data set can be found in the below link, and for more up-to-date data, please log into your Ardens Manager (<https://app.ardensmanager.com/>).



Wider Determinants



Where 1 is the most deprived in HWE ICB and 35 the least

In Stevenage North PCN an estimated:

- 15.4% of children live in poverty.
- 12.8% of older people live in poverty.
- 11.9% of households live in fuel poverty.
- 7.4% of households are overcrowded.
- 32.4% of people aged 65 and over live alone.
- 0.9% of people cannot speak English well.
- 4.5% of working age people are claiming out of work benefits.
- 21.8% of children aged 4-5 and 35.4% of children aged 10-11 are overweight.

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Hertfordshire Public Health
Evidence & Intelligence
Epidemiology

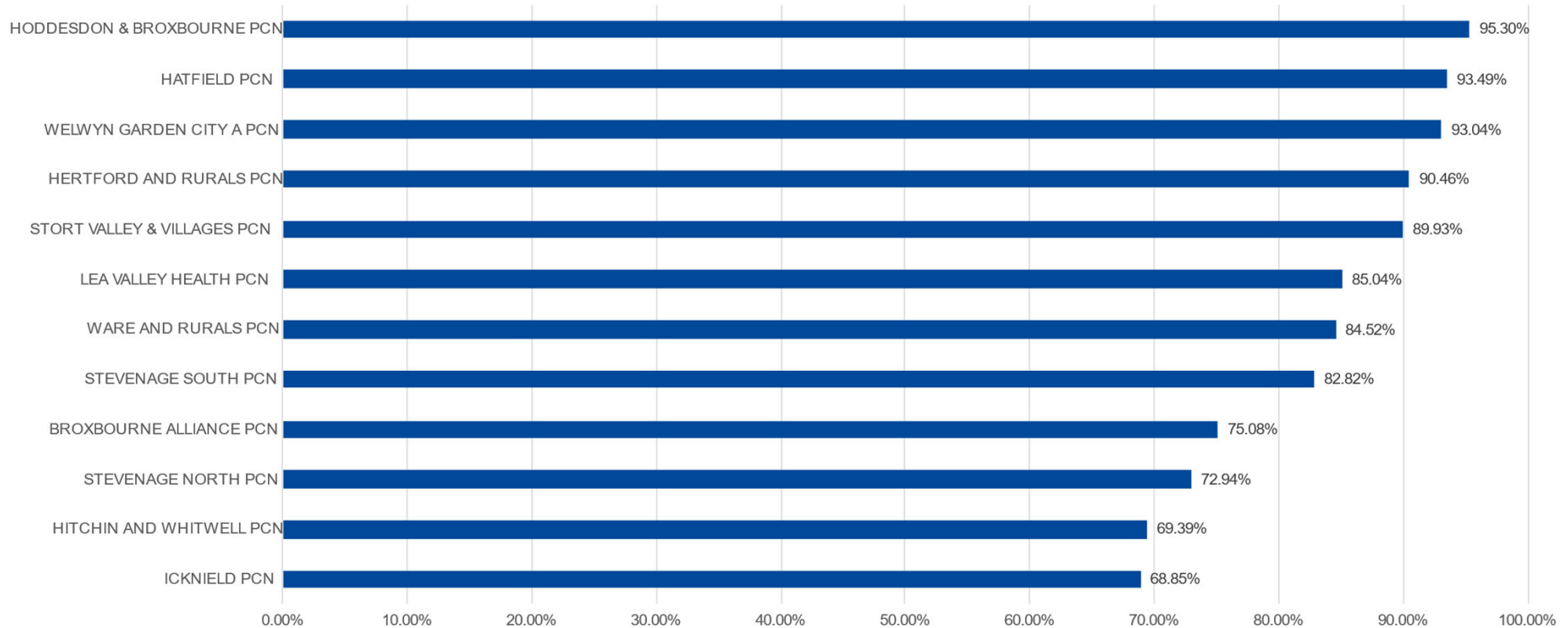


The above provides a summary of the wider determinants of health for Stevenage North.

Wider determinants analysis from Public Health Evidence and Intelligence shows Stevenage North has an overall Deprivation rating of 4 out of the 35 PCNs within the ICB. It is to be noted that it scores a substantially higher rating (indicating lower deprivation levels) than its overall rating for Environment.

SPREAD OF PATIENTS ACROSS ENGLAND CONT.

Percent of East and North Hertfordshire patients within Hertfordshire and West Essex boundary

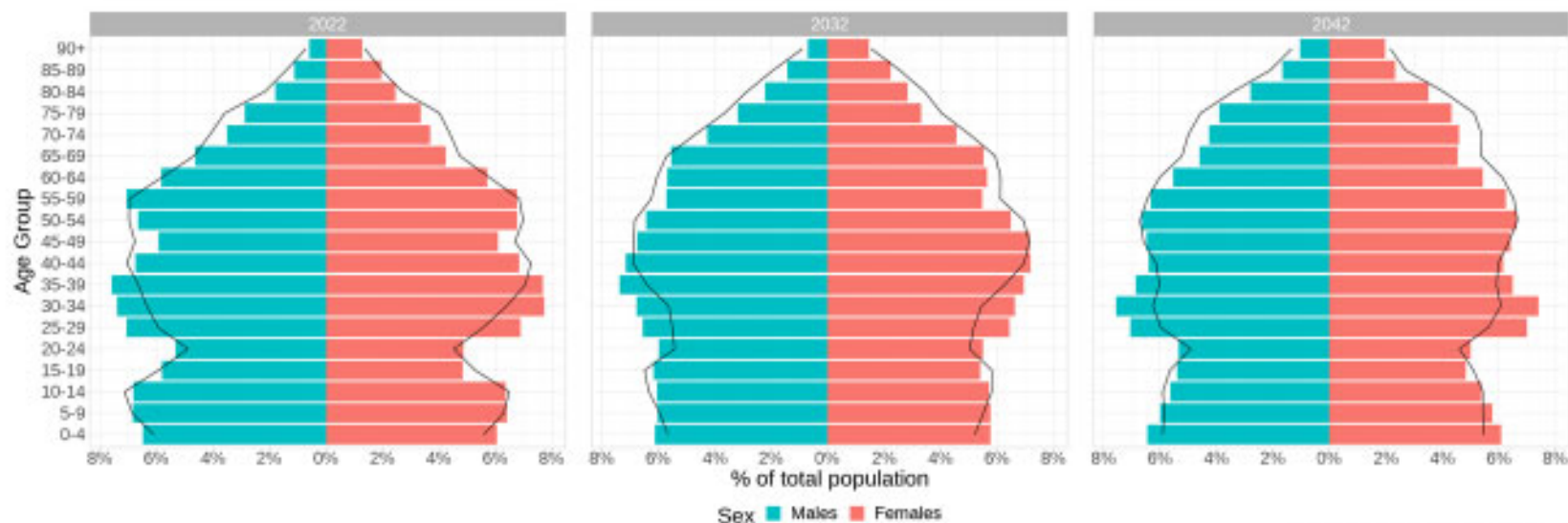


This chart shows the proportion of the registered population living within the ICB geographical boundary.

The spread of patients for Stevenage North PCN indicates 27.06% of the population are not located within the Hertfordshire & West Essex boundaries; this means that this population may be accessing services outside of the ICB and the impact of coterminous alignment with neighbouring ICBs must be taken into account for this population by the PCN.



Projection Pyramids



Black line indicates HWE ICS values.
Population pyramids and table shown for Stevenage district.
District shown is based on the largest majority of the PCN's registered population.

Age Band	2022 Projection	2032 Projection	2042 Projection
Under 5	5,552	5,318	5,740
Under 24	26,471	26,196	25,579
24-64	48,176	46,797	47,931
65+	13,964	16,736	18,148
85+	2,205	2,635	3,219

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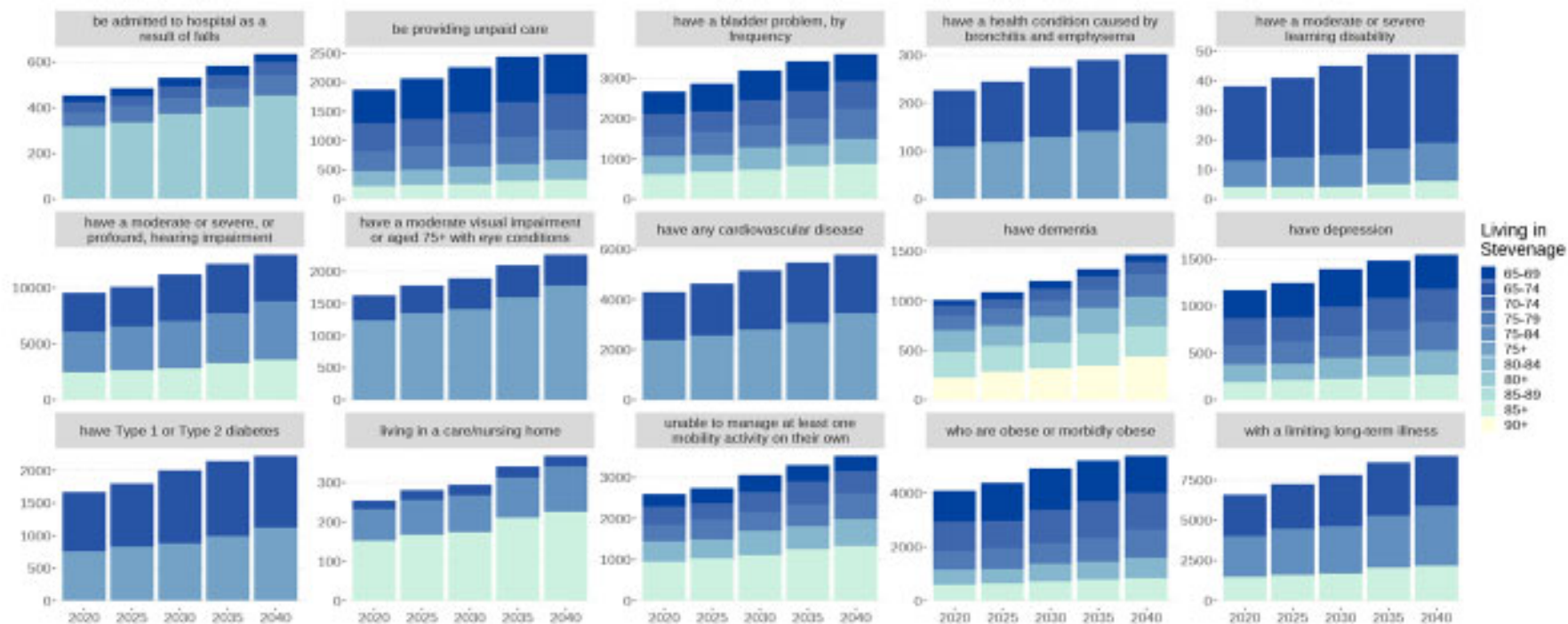
Hertfordshire Public Health
Evidence & Intelligence
Epidemiology



Expected population growth for Stevenage district by the Local Authority, forecasts continued increase between 2023 through to 2034 which will bring additional demands for healthcare. Projections show an expected increase in the number of people over 65 from ~14k to ~17k.



People aged 65+ projected to...



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The above shows the impact on health due to the expected increase in the number of people over 65.

Optum

HWE

Segment & Outcomes Framework Documentation



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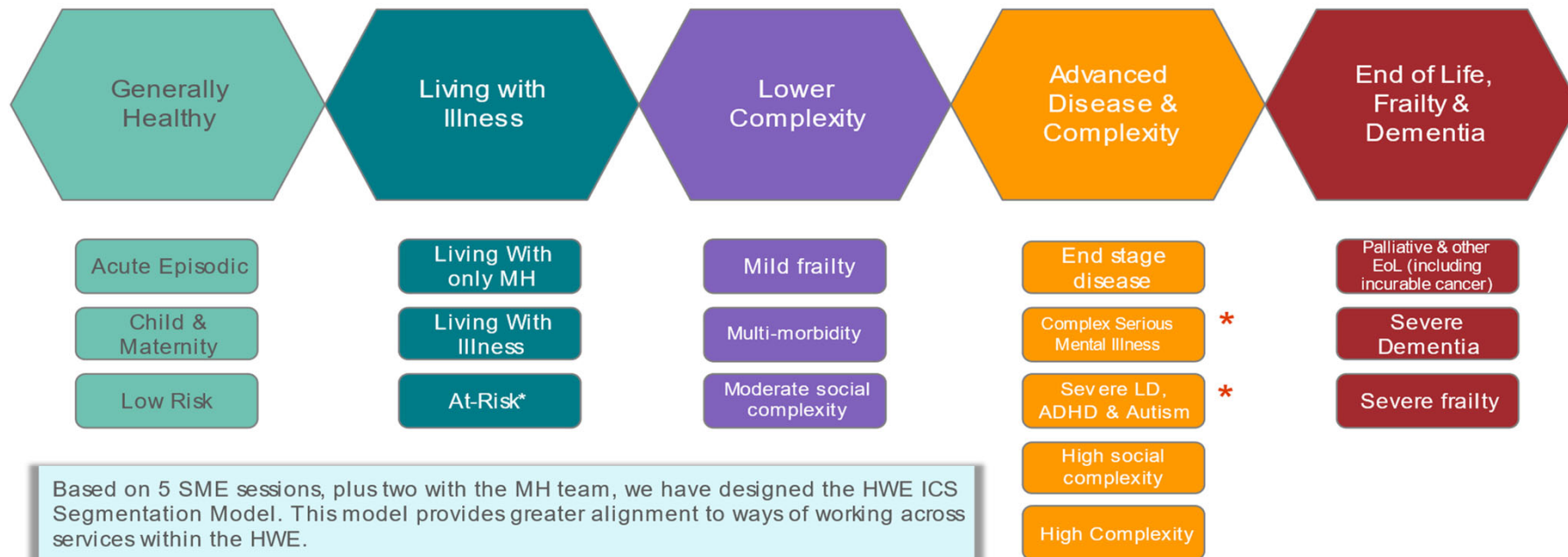
PHM Segment Model - Overview

The ICB has worked in partnership with Optum to develop a Health Segmentation model using linked data covering 1.2m of our ICS population. As part of the process representation from different care settings and internal ICB teams were engaged.

Our core PHM and Population Segmentation model combines primary and acute care data with wider determinants and community, mental health and social care data where available. The model has been built with a view to include additional data sets as they become available. The segmentation model provides the foundations for advanced population health management analytics that goes beyond patient level risk stratification.

The below demonstrates the 5 high level segments and the sub segments beneath within the model.

Segmentation model – third iteration



Based on 5 SME sessions, plus two with the MH team, we have designed the HWE ICS Segmentation Model. This model provides greater alignment to ways of working across services within the HWE.

It follows a MECE model, assigned in order from right to left in segment, and top to bottom in subsegment.

* awaiting finalisation of methodology

PHM Segment Model - Overview

The logic behind the ICB Health Segmentation model has been developed to allow the ICB to consider its whole population and the different interventions required to improve the outcomes of different groups of people with similar characteristics.

Alongside the segmentation logic an outcomes framework was developed.

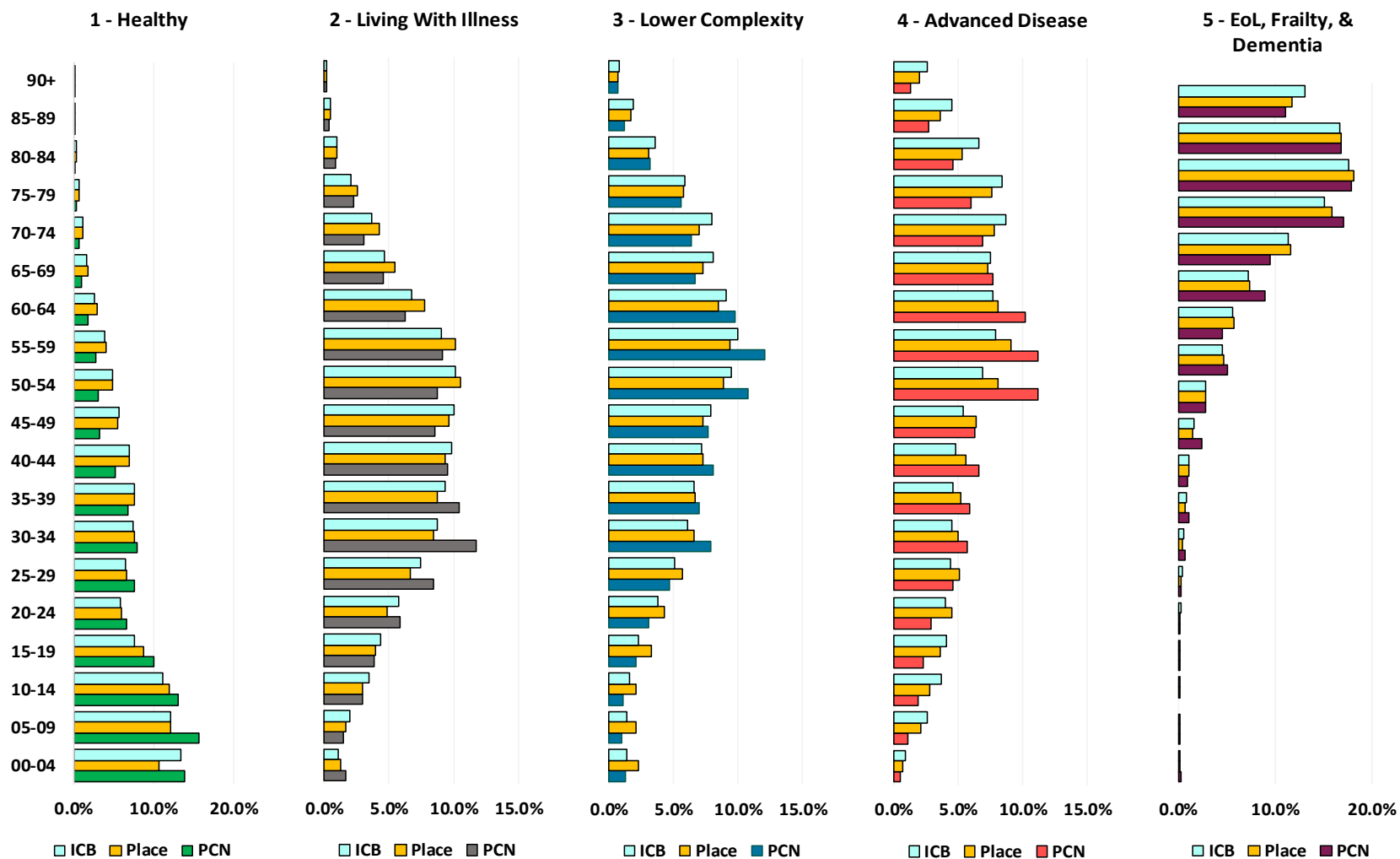
Whole Population Outcomes

- INCREASE life expectancy / INCREASE average age at death in adults.
- REDUCE gap in age at death between most and least deprived deciles.
- INCREASE disease-free life expectancy
- REDUCE rates of suicide
- REDUCE proportion of population who are digitally excluded either by lack of equipment, connectivity, skills, cost, or confidence to be able to access clinical services.

"Generally healthy"	Living with Illness	Lower Complexity	Advanced Disease & Complexity	End of Life, Frailty & Dementia
<p>Who is in this group?</p> <ul style="list-style-type: none"> • Children and adults in the general population who are not otherwise captured in other segments. • Most likely receive episodic care due to accidents and injuries or linked to maternity and CYP routine services. • No diagnosed conditions. 	<p>Who is in this group?</p> <ul style="list-style-type: none"> • Includes people with single illnesses (including MH), that are currently controlled or able to self-manage and will receive most of their care in a planned way through primary care. • Includes people with social or behavioural risk factors for more advanced disease. 	<p>Who is in this group?</p> <ul style="list-style-type: none"> • Includes people with moderate levels of morbidity and complexity. This is either as a result of: Multi-morbidity (24 long term conditions), Mild frailty and/or Social complexity. 	<p>Who is in this group?</p> <ul style="list-style-type: none"> • Advanced disease and complexity represents a cohort of people with one or more significant illnesses that impact on their day to day functioning as well as people with significant risk from social complexity 	<p>Who is in this group?</p> <ul style="list-style-type: none"> • End of Life, frailty and dementia is the first segment in the logic and is the first set of criteria on which people are assessed. The segment includes: people who are identified as being in their last year of life, or on the palliative disease register as well as people with incurable cancer. This segment also includes those with severe frailty and/or severe dementia.
<p>Social & Clinical Outcomes</p> <ul style="list-style-type: none"> • INCREASE screening. • IMPROVE experience of Maternity services. • REDUCE rates of childhood obesity in reception and year 6. • REDUCE rate of infant mortality. • REDUCTION in proportion of people diagnosed with low mood and/or depression. 	<p>Social & Clinical Outcomes</p> <ul style="list-style-type: none"> • INCREASE proportion of patients who feel able to self-manage their condition. • REDUCE prevalence of behavioural risk factors for more advanced diseases, including: obesity, smoking status and drug abuse. • REDUCE episodes of ill -health requiring emergency admissions for long term condition. • INCREASE percentage of people with mental health problems in employment. • INCREASE proportion of people who are able to maintain life routines considered important to the individual, e.g work, .. • REDUCE emergency attendances due to alcohol -related harm. 	<p>Social & Clinical Outcomes</p> <ul style="list-style-type: none"> • INCREASE proportion of patients who feel able to self-manage their condition. • REDUCE rate of emergency admissions for people with lower complexity. • INCREASE proportion of patients offered personalised care and support planning. • REDUCE prevalence of behavioural risk factors for more advanced diseases, including: obesity, smoking status and drug abuse. 	<p>Social & Clinical Outcomes</p> <ul style="list-style-type: none"> • INCREASE five year survival from cancer. • REDUCE rate of emergency admissions in people with advanced disease or complexity. • REDUCE the difference in average age of death between people with learning disability/SMI compared to general population. • REDUCE proportion of whole population who are living with advanced disease and/or complexity. 	<p>Social & Clinical Outcomes</p> <ul style="list-style-type: none"> • REDUCE dependency for emergency care services e.g A&E attendances and emergency admissions. • INCREASE proportion of people who die in their preferred place of death. • INCREASE identification of frail and complex patients, including those with dementia or at end of life. • REDUCE proportion of days disrupted by emergency care in last year of life. • INCREASE number of days spent at home in last year of life. • INCREASE proportion of people supported at home instead of in residential care.

Age Profile and Health Segment

Age Profile of PCN, Place, and ICB Segment Population Comparison

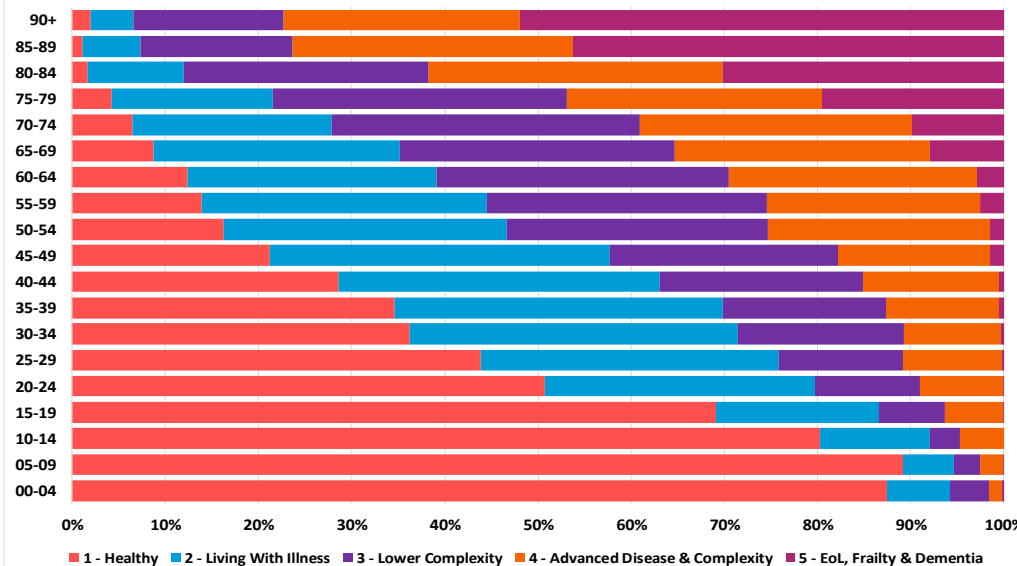


Each registered person is assigned to a segment and this can be cut by age group and also geographically by Place or PCN.

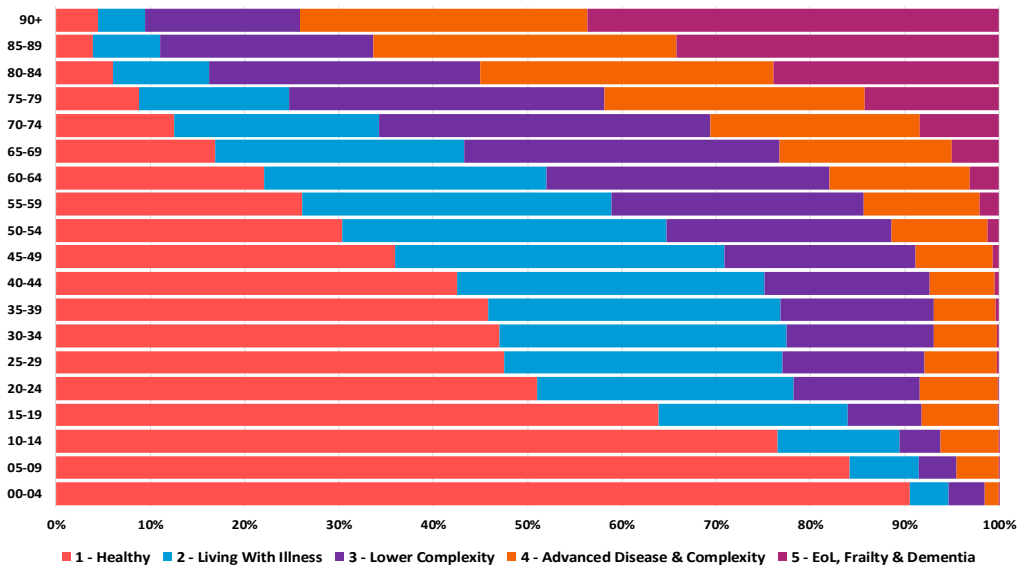
The above looks at the breakdown by age of people within each segment. It provides the PCN value against the Place and ICB value.

Demographic Breakdowns - Segment & Deprivation Quintiles

Segment Proportion by Age Group



ICB Segment Proportion by Age Group as a Comparator



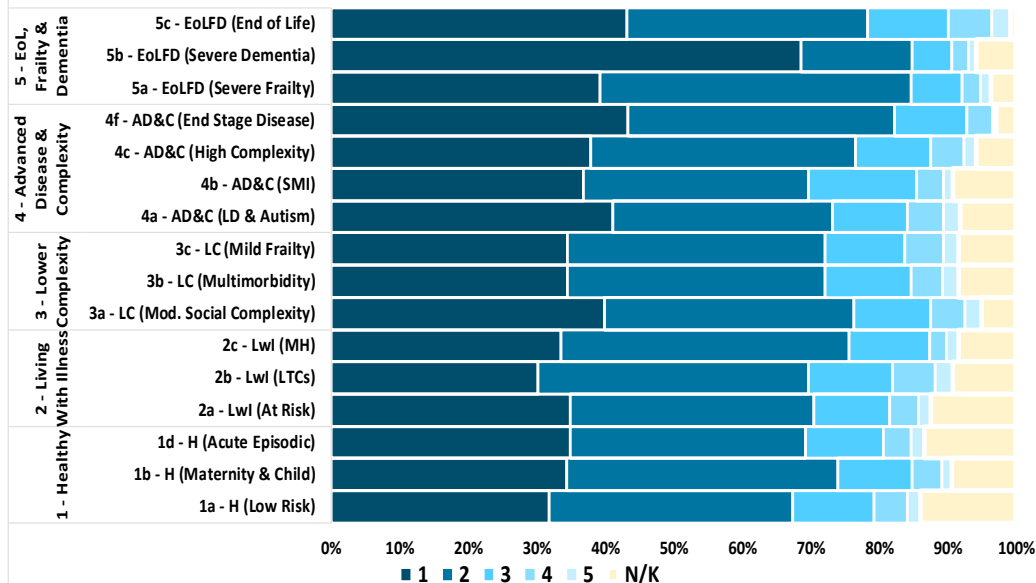
The ICB Health Segments here are broken down by total population and 5 year age groups; as expected with age the proportion of people within the healthy segment decreases.

The illustration on the left represents the PCN breakdown whilst the one on the right shows the ICB breakdown.

Overall Stevenage North has a slightly higher profile for age categories 25-90+ for segments 2 to 5, compared to the ICB population.

The illustration bottom right shows the Sub-Segments by Deprivation Quintile, here we can see the levels of deprivation illustrated within the earlier wider determinants slide demonstrated within this breakdown.

Index of Multiple Deprivation Quintile Proportion of Population Segment



Major Conditions Comparison - Per 1,000 Registered

PCN NAME	COPD	Obesity	Asthma	Diabetes	Dementia	Cancer	Learning Disabilities	Hypertension	Stroke	Chronic Kidney Disease	Heart Disease	Heart Failure	AtrialFib	Chronic Cardiac Disease	Depression	MH	Anxiety	Serious Mental Illness	Alzheimers
ABBEY HEALTH	16.94	91.79	134.57	138.01	16.06	35.32	15.82	119.23	33.72	10.05	35.88	10.65	11.77	57.71	121.19	171.41	86.11	25.15	10.73
ALBAN HEALTHCARE	16.78	79.37	154.97	90.13	16.99	53.76	14.22	149.53	34.73	24.16	39.98	10.97	17.65	50.69	127.50	205.23	111.71	23.36	13.08
ALLIANCE	19.90	114.36	123.67	105.84	15.86	29.28	17.82	155.51	31.61	9.04	39.00	10.29	9.50	62.66	114.55	160.93	87.83	25.81	10.21
ALPHA	16.29	121.01	139.73	97.63	14.00	55.48	10.91	161.78	34.67	18.36	42.29	11.02	21.77	53.43	153.71	233.41	120.24	17.12	9.22
ATTENBOROUGH	18.14	113.20	126.85	105.43	15.54	36.21	11.81	130.54	33.07	15.51	42.51	11.91	11.43	50.85	118.02	176.61	95.74	19.13	8.70
BROXBORNE ALLIANCE	20.30	160.08	122.01	81.19	7.50	61.16	6.46	171.90	29.87	23.09	49.05	11.84	19.50	68.57	135.43	191.17	116.76	7.91	4.09
CENTRAL WATFORD	17.17	97.89	108.55	152.70	20.12	25.21	13.25	132.19	30.90	8.01	34.88	10.09	16.32	46.23	98.31	132.67	62.41	20.54	8.28
DACORUM BETA	24.98	156.71	132.83	158.17	30.23	40.07	18.80	156.86	44.28	19.23	50.10	16.42	26.50	78.15	176.09	245.43	132.71	31.47	14.12
DANAIS	22.41	131.50	138.52	116.70	19.56	36.00	19.66	181.38	45.29	7.84	44.34	12.86	11.35	57.63	137.60	185.74	82.50	28.26	11.88
DELTA	16.90	150.87	135.59	125.22	17.35	45.07	13.06	152.28	34.37	21.60	42.61	10.85	19.87	55.43	142.21	222.46	128.07	22.98	10.97
HALO	18.22	93.22	137.55	112.78	20.85	47.83	20.12	137.28	37.23	16.03	41.35	11.68	16.94	85.83	149.64	217.88	111.29	29.96	14.75
HARLOW NORTH	32.17	113.01	160.55	104.04	9.63	65.83	5.80	185.36	41.56	27.03	59.02	17.64	18.36	73.07	152.95	249.04	129.75	8.61	4.78
HARLOW SOUTH	30.09	197.29	169.79	120.15	9.20	57.49	8.17	162.96	38.98	37.02	62.04	19.34	19.54	83.34	174.03	246.72	118.60	11.48	4.96
HARPENDE HEALTH	21.78	81.60	149.03	107.08	23.86	69.52	12.79	172.72	49.21	21.85	55.34	17.04	25.35	73.71	145.13	230.18	127.83	21.83	14.49
HATFIELD	16.88	58.23	77.11	65.91	7.71	28.28	6.46	107.06	21.36	5.41	34.69	8.47	14.84	42.95	91.34	131.15	87.53	7.83	2.94
HERTFORD AND RURALS	16.86	116.98	126.99	67.48	7.52	54.51	5.99	147.29	25.97	13.35	42.51	10.83	20.25	52.05	138.84	203.98	117.47	7.46	3.97
HERTS FIVE	18.05	119.79	133.62	149.84	32.47	49.57	15.73	175.39	37.47	28.64	46.04	11.72	28.70	67.86	143.18	211.93	115.95	24.53	12.18
HITCHIN AND WHITWELL	21.11	126.63	141.53	80.38	10.25	64.91	5.36	160.97	32.99	22.56	48.88	11.81	23.23	63.10	146.25	217.69	134.47	9.83	6.42
HODDESDON & BROXBORNE	22.63	163.45	129.18	88.31	9.82	69.33	6.52	182.13	32.80	23.48	54.65	14.88	26.00	65.08	128.92	211.87	124.10	7.19	5.53
ICKNIELD	20.58	132.39	147.83	85.32	11.91	60.97	6.57	164.18	31.52	35.00	51.59	12.61	22.87	68.86	140.93	220.11	121.08	8.97	7.19
LEA VALLEY HEALTH	23.93	166.87	126.46	86.47	6.11	51.75	9.26	172.10	28.22	18.66	48.18	13.17	18.01	57.90	154.32	231.01	165.70	10.89	5.53
LOUGHTON BUCKHURST HILL & CHIGWELL	15.51	82.36	108.00	75.16	9.75	48.63	3.25	126.39	27.64	12.08	48.45	12.73	24.57	58.16	115.48	166.39	109.95	7.20	4.74
MVPS	20.48	132.18	129.05	118.23	17.10	37.36	15.43	141.83	33.00	29.68	40.10	11.91	12.32	50.34	135.02	189.04	100.76	22.35	10.35
NORTH UTTLESFORD	15.67	23.10	103.62	50.30	8.89	35.46	3.02	82.42	26.01	0.19	40.66	8.29	27.47	50.49	94.73	129.90	109.54	4.31	4.09
NORTH WATFORD	21.96	115.98	140.15	136.45	18.26	39.04	14.64	168.63	39.54	20.47	47.73	15.48	20.13	64.24	142.44	194.02	96.65	24.51	9.80
POTTERS BAR	22.98	140.98	142.22	136.58	24.74	53.46	12.70	148.52	37.34	84.75	44.43	12.35	20.80	65.37	132.36	187.18	88.62	20.73	11.56
RICKMANSWORTH & CHORLEYWOOD	17.43	111.90	132.75	112.05	18.36	44.50	13.90	188.27	41.26	6.88	45.98	15.23	20.02	59.08	127.24	185.97	93.22	19.48	8.82
SOUTH UTTLESFORD	15.28	43.19	113.74	57.46	8.33	38.05	2.34	96.24	24.00	4.96	39.00	9.02	20.59	48.74	99.33	142.19	108.67	4.65	3.60
STEVENAGE NORTH	24.27	273.76	124.18	170.45	10.46	46.58	8.92	155.20	29.48	9.51	46.26	11.84	14.55	64.91	136.82	194.88	111.38	8.02	6.11
STEVENAGE SOUTH	23.31	128.57	101.25	75.88	9.99	44.87	6.69	144.52	30.88	15.08	46.63	12.90	13.69	62.56	105.37	151.85	76.49	7.45	6.03
STORT VALLEY & VILLAGES	17.85	122.87	132.49	65.60	7.18	53.86	6.92	144.16	26.39	19.45	44.05	13.41	19.82	60.97	120.51	203.15	127.69	6.34	3.43
THE GRAND UNION	17.43	143.73	135.30	134.24	19.14	42.21	12.89	149.94	36.78	28.86	46.99	12.45	19.10	62.75	138.79	195.84	95.98	20.23	9.53
WARE AND RURALS	18.09	163.30	165.40	77.77	7.63	58.28	5.79	154.35	27.24	22.49	47.89	12.74	20.82	60.01	132.46	198.85	108.67	6.62	4.13
WELWYN GARDEN CITY A	19.05	104.74	104.65	68.93	6.62	41.07	6.99	132.35	23.08	10.49	38.53	10.24	17.72	48.93	117.64	178.45	109.12	7.12	3.14

The data from the ICB model has been collated and the above provides a rate per 1,000 population with a recording of each condition. The darker the blue the higher the presence of the condition within the PCN's population.

Further information and tools that monitor identification and management of people with conditions are available in Ardens Manager rolled out to support the ICB's ECF. Searches available via Ardens can support with case finding and identifying people with management indicators that are due.

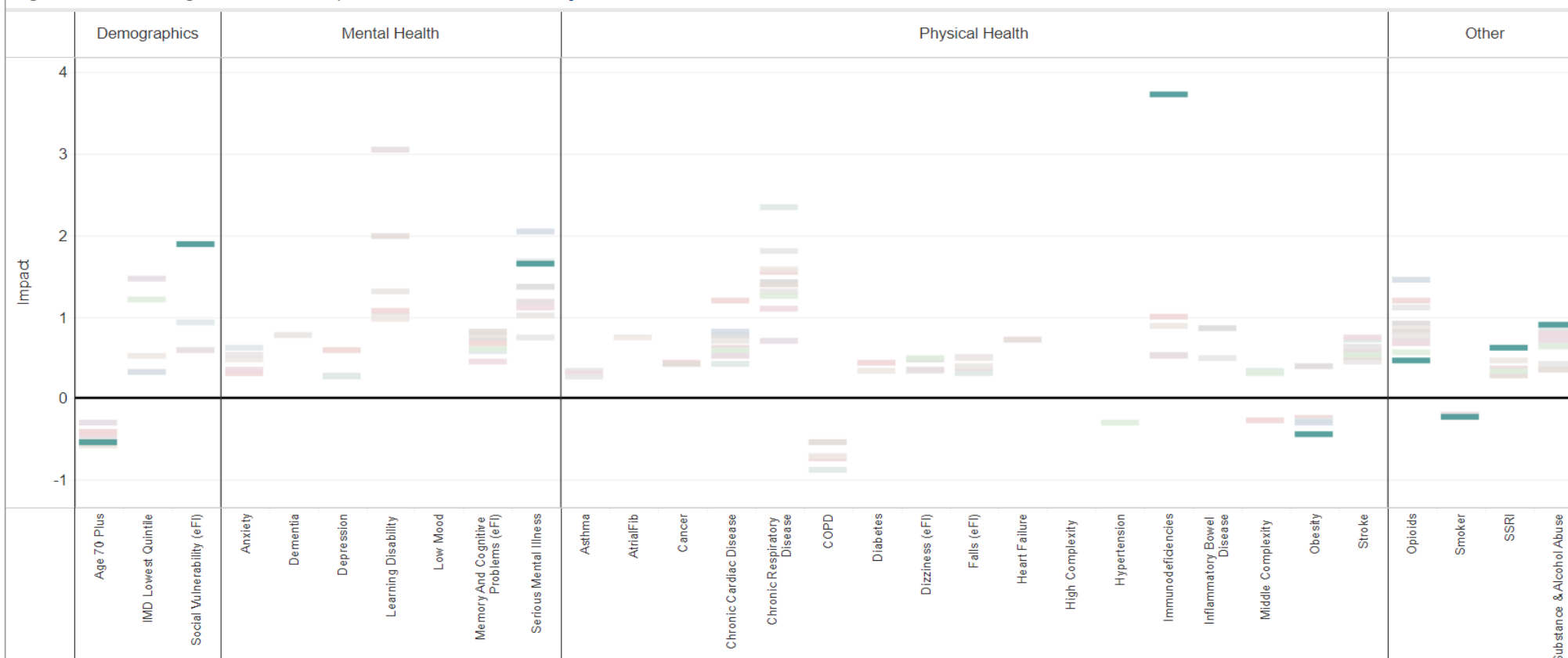
When analysing the underlying Segmentation Model data the conditions with highest per 1,000 registered prevalence that are highlighted for Stevenage North PCN are Obesity, Diabetes (both which are significantly higher than all other PCNs within the ICB) and COPD.

PCN NAME	Conditions																		
	ASD	Cerebral Palsy	Chronic Respiratory Disease	Cystic Fibrosis	Huntingtons Disease	Inflammatory Bowel Disease	Kidney Transplant	Metastatic Cancer	Multiple Sclerosis	Muscular Dystrophy	Myasthenia Gravis	Osteoporosis	Other Neurological Condi	Parkinsons Disease	Rheumatoid Arthritis	Lupus (SLE)	Sickle Cell Disease	Solid Organ Transplant	High BP
ABBEY HEALTH	14.98	1.20	20.95	0.40	0.04	9.37	2.04	2.48	1.56	0.52	0.28	14.46	1.20	2.08	7.53	0.92	0.44	1.48	25.51
ALBAN HEALTHCARE	13.61	1.20	22.10	0.77	0.23	11.13	2.30	3.02	1.73	0.30	0.33	24.28	1.10	2.77	8.39	1.43	0.28	1.34	31.80
ALLIANCE	17.30	1.66	25.28	1.73	0.04	10.85	2.45	3.01	1.13	0.19	0.15	10.55	1.06	2.60	9.01	1.24	1.70	1.09	30.03
ALPHA	11.10	0.64	21.64	0.66	0.13	10.97	2.67	2.41	2.46	0.36	0.30	20.86	1.30	3.14	9.41	1.22	0.17	1.39	35.30
ATTENBOROUGH	11.11	0.96	22.70	1.41	0.13	10.43	2.57	2.70	1.80	0.42	0.29	17.75	1.12	1.99	7.64	1.25	0.55	1.44	42.89
BROXBORNE ALLIANCE	8.71	1.08	27.27	0.55	0.02	13.59	2.21	3.15	2.09	0.32	0.34	24.44	1.56	1.95	9.86	1.43	0.78	1.45	87.88
CENTRAL WATFORD	10.69	1.11	20.87	0.87	0.15	7.62	2.32	2.65	1.20	0.27	0.21	11.29	1.30	2.44	7.53	1.17	0.54	1.14	29.37
DACORUM BETA	17.95	1.28	29.89	1.09	0.15	11.68	2.62	4.19	2.11	0.53	0.10	17.54	1.16	3.61	9.52	1.33	0.75	1.60	36.87
DANAIS	16.34	1.18	26.91	0.79	0.26	10.93	2.13	3.22	1.77	0.39	0.30	8.73	1.31	2.92	10.14	1.21	0.89	1.71	39.02
DELTA	13.39	1.02	21.36	0.96	0.27	11.99	2.31	3.60	2.28	0.42	0.24	18.70	0.96	2.97	8.99	1.14	0.51	1.20	37.04
HALO	20.38	1.52	23.45	0.73	0.18	11.68	2.31	3.56	1.90	0.23	0.20	20.47	1.40	3.88	8.70	1.34	0.41	0.99	31.92
HARLOW NORTH	7.53	1.38	42.10	1.26	0.06	13.93	3.47	3.41	2.51	0.30	0.36	29.48	2.45	2.39	13.51	1.49	0.60	2.21	69.06
HARLOW SOUTH	11.58	2.48	42.29	0.93	0.10	13.55	2.38	4.24	1.65	0.52	0.52	40.02	2.27	2.38	13.55	2.48	0.31	1.86	95.65
HARPENDEN HEALTH	12.54	1.06	28.25	0.66	0.12	10.84	2.47	5.89	2.22	0.39	0.48	29.04	1.89	4.68	9.54	1.18	0.39	1.41	28.50
HATFIELD	6.55	0.76	21.97	0.47	0.06	10.21	2.74	1.89	0.90	0.32	0.23	19.79	1.43	1.51	6.72	1.25	0.84	1.54	71.96
HERTFORD AND RURALS	8.19	0.81	24.68	0.69	0.12	15.00	2.38	2.24	2.26	0.44	0.30	27.37	1.37	2.38	7.72	0.89	0.10	1.53	90.91
HERTS FIVE	13.79	1.39	23.04	0.77	0.13	12.86	2.98	2.86	2.45	0.25	0.36	22.67	1.69	3.63	17.88	1.26	0.62	1.66	34.03
HITCHIN AND WHITWELL	9.93	1.49	30.11	0.50	0.00	15.61	2.87	3.41	2.41	0.32	0.32	34.83	1.42	2.52	8.34	1.63	0.14	1.60	92.26
HODDESDON & BROXBORNE	9.14	0.96	31.53	0.58	0.27	14.77	2.84	3.29	2.38	0.43	0.23	33.55	1.73	2.33	9.37	1.35	0.22	1.73	96.87
ICKNIELD	10.67	1.08	29.47	0.62	0.08	16.17	2.69	2.91	3.58	0.43	0.32	27.18	1.29	2.67	8.51	1.27	0.05	2.02	82.47
LEA VALLEY HEALTH	10.05	1.27	31.63	0.59	0.10	12.74	2.37	2.80	1.53	0.36	0.46	22.43	1.89	1.72	10.47	1.63	1.11	1.98	97.79
LOUGHTON BUCKHURST HILL & CHIGWELL	4.13	0.84	22.95	0.79	0.14	14.26	2.42	3.62	1.77	0.46	0.33	38.42	1.90	2.04	8.87	1.53	0.19	1.35	65.68
MVPS	14.28	1.17	34.30	10.11	0.07	11.35	2.43	3.60	2.06	0.30	0.15	15.86	1.17	2.47	8.53	1.69	0.59	1.30	32.96
NORTH UTTLESFORD	2.34	0.78	21.65	0.73	0.05	11.09	1.18	2.48	1.13	0.48	0.11	23.32	1.16	1.27	10.04	1.29	0.03	1.72	26.93
NORTH WATFORD	12.70	1.07	27.72	2.17	0.11	12.20	2.44	3.36	2.40	0.42	0.31	16.47	1.53	2.63	9.42	1.45	0.34	0.92	37.13
POTTERS BAR	12.98	0.76	27.06	0.62	0.17	8.31	1.90	2.70	2.01	0.38	0.48	21.07	1.49	3.25	7.96	1.07	0.42	1.28	33.70
RICKMANSWORTH & CHORLEYWOOD	11.74	1.12	23.30	2.02	0.25	9.40	2.45	3.20	1.33	0.54	0.18	15.52	0.97	2.88	7.38	0.97	0.11	1.51	32.44
SOUTH UTTLESFORD	3.05	1.02	21.93	0.53	0.02	10.61	1.97	2.44	1.89	0.28	0.22	29.23	1.34	1.71	10.30	1.48	0.08	2.01	24.13
STEVENAGE NORTH	12.22	1.43	32.98	0.27	0.05	16.52	3.40	2.92	2.23	0.64	0.27	15.67	1.81	2.71	7.06	1.27	0.48	1.54	94.81
STEVENAGE SOUTH	10.81	1.57	31.16	0.88	0.06	13.08	2.69	4.03	2.09	0.27	0.33	14.90	1.57	2.09	5.81	1.12	0.39	1.73	75.58
STORT VALLEY & VILLAGES	10.22	1.05	25.19	0.51	0.00	12.73	1.89	3.26	1.95	0.41	0.36	41.69	1.69	2.08	9.13	1.63	0.13	1.39	76.18
THE GRAND UNION	13.30	1.32	22.90	1.36	0.18	11.75	2.22	3.19	2.19	0.25	0.25	26.69	1.27	2.29	9.07	1.53	0.53	1.68	74.02
WARE AND RURALS	7.25	1.01	25.52	0.77	0.09	14.85	2.67	2.64	1.81	0.18	0.27	26.11	1.63	2.58	7.58	1.22	0.03	1.75	86.12
WELWYN GARDEN CITY A	9.18	0.77	25.87	0.71	0.05	13.17	2.65	2.13	1.92	0.46	0.20	20.42	1.30	1.37	7.02	1.11	0.38	1.55	89.89

On this page of conditions, we can see that the PCN has higher prevalence of Inflammatory Bowel Disease, Kidney Transplant, Muscular Dystrophy (all of which are some of the highest among PCNs within the ICB) and High BP.

PCN Benchmarking - A&E Activity

Higher bars indicate greater relationship with increased AE Activity



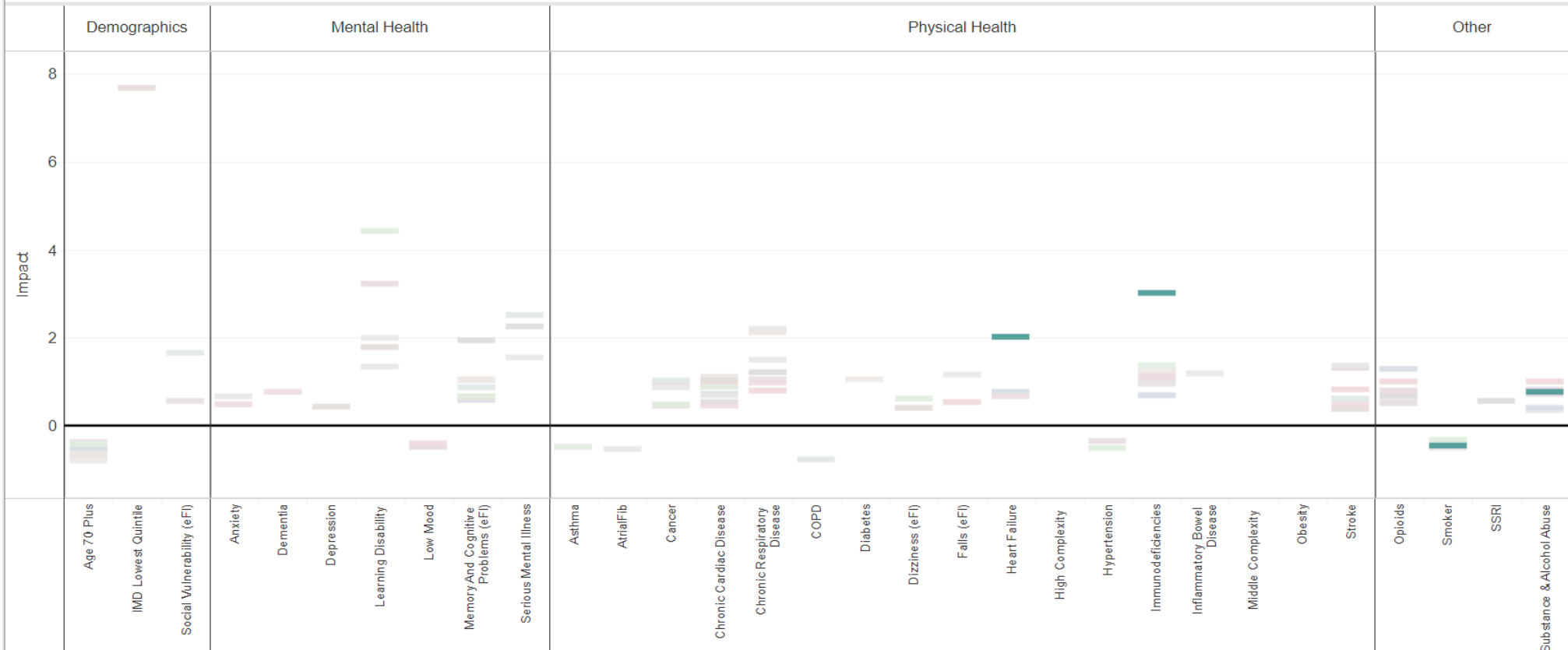
The charts in the next two pages show activity for the PCN compared against all other PCNs at the Place level.

The Model - A statistical regression model is used to decide which Risk Factors correlate with a significant impact on the selected targets as presented in these charts, the height of the bar for each PCN relates to the correlation of a Risk Factor and an increase in impact on the selected target condition.

The impact for the PCN is given and will vary for each characteristic; a wide variance may indicate differences in care or good practice which could be shared; some impacts are positive. Higher bars indicate a greater relationship with increased A&E attendances

PCN Benchmarking - Emergency Admissions

Higher bars indicate greater relationship with increased **Emergency Admissions**



This uses the same principles as the previous slide but looks at Emergency Admission.

Learning Disability admissions shows the most variance across all PCNs, meaning that characteristic has a high impact on emergency admissions.

Urgent and Emergency Care

As part of the ICB Urgent and Emergency Care Programme a needs analysis was undertaken.

Overall aim

* To understand what and where the need is for access to urgent and emergency care in Hertfordshire and West Essex

Objectives

- * To build a comprehensive picture of **who** needs to access UEC in HWE and who could be better cared for in alternative settings.
- * To understand the root causes of **why** people are accessing UEC when there could have been more appropriate alternative pathways
- * To build consensus among stakeholders around what the key issues in UEC are
- * To draw conclusions based on public health intelligence and triangulation of data to inform a successful and achievable UEC strategy

Some of the initial outputs from this work have been included within the next few pages, providing the PCN benchmarking.



UEC Overview

Hertfordshire & West Essex ICB – East & North A&E Summary – Who are attending and why?

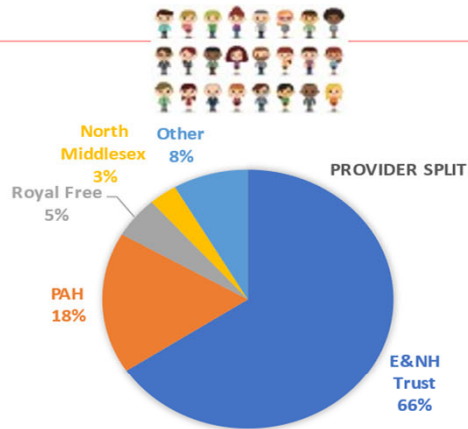
Children 0 -18
Adults 19 -64
Older People 65+

218,296 A&E Attendances in 2021/22

Children = 56,287 (25.8%)
Adults = 111,219 (50.9%)
Older People = 50,790 (23.3%)

57,811 26.5% of attendances resulted in
no investigation and no treatment
(includes Uncoded Activity)

Children = 19,082 (34%)
Adults = 30,658 (27.6%)
Older People = 6,944 (15.9%)



128,296 people attended A&E in 2021/22

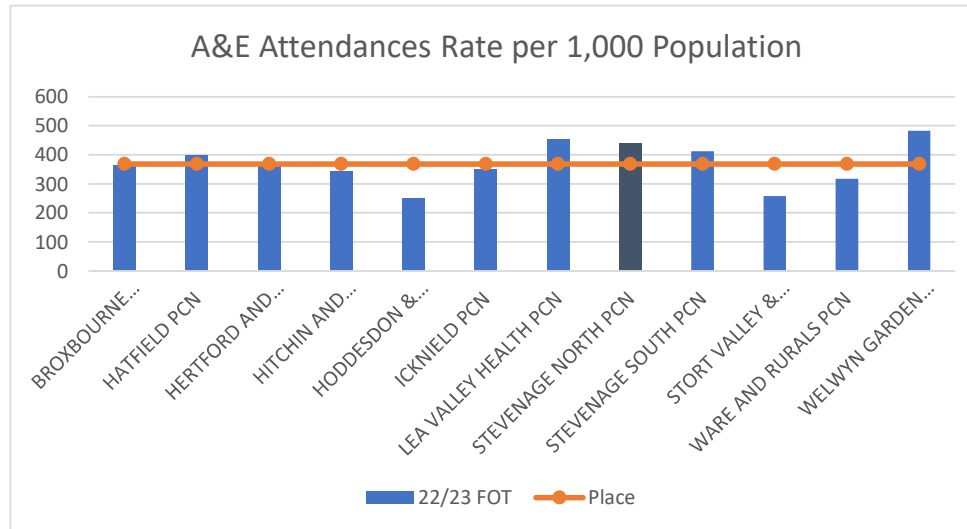
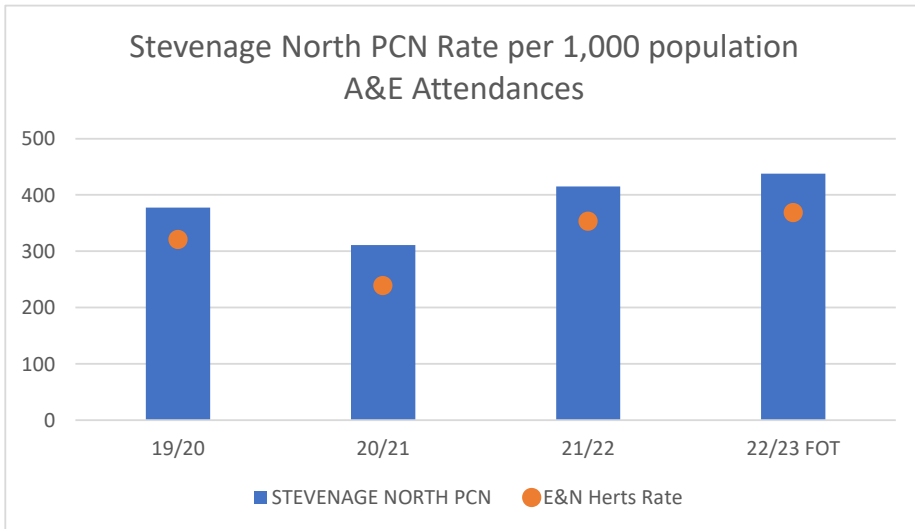
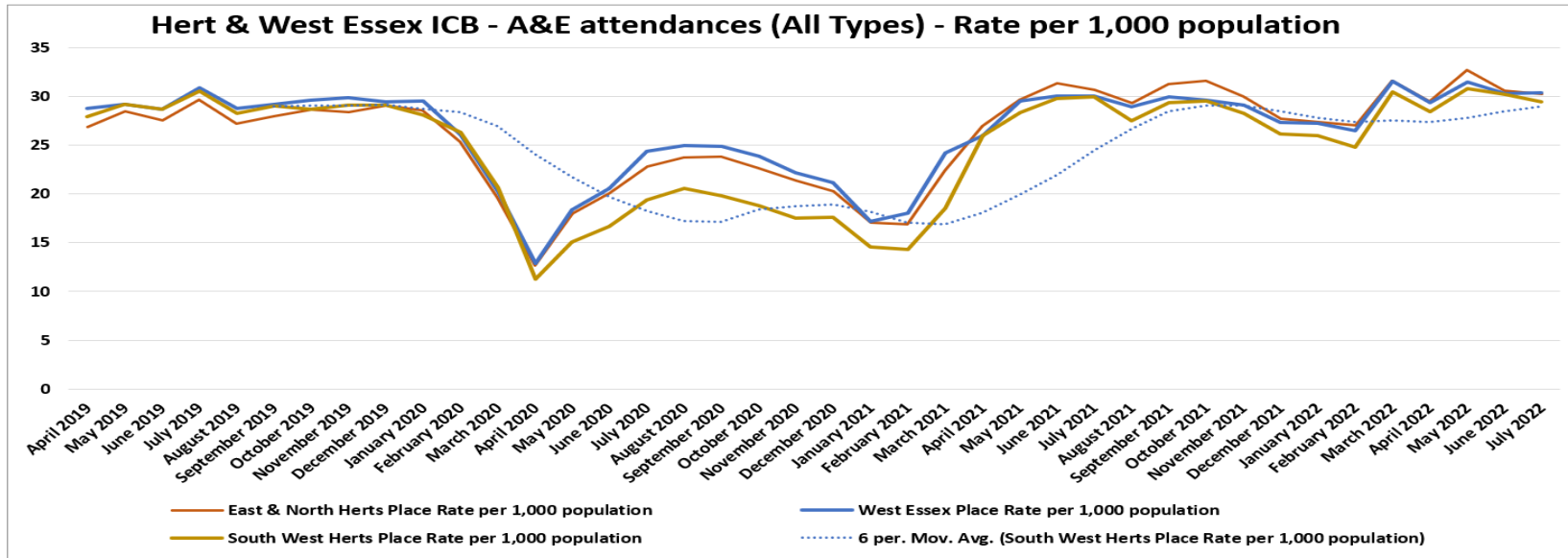
Children = 34,197 (26.5%)
Adults = 68,101 (52.8%)
Older People = 26,873 (20.8%)

This translates to 1 in 5 people registered
with East & North attending A&E

Children = 1 in 4 children
Adults = 1 in 5 adults
Older People = 1 in 4 older people



Source: SUS



Rates of A&E attendances across the ICB have returned to pre covid levels and above.

The impact of covid can clearly be seen in the top left chart.

Urgent & Emergency Care in 2022/23 for Stevenage North PCN A&E Attendance rates per 1,000 population, is higher than the place rate.

Unplanned Hospitalisation for Chronic Ambulatory Care Sensitive Conditions

This analysis looks at Unplanned hospitalisation for chronic ambulatory care sensitive conditions
NHS Outcomes Framework Methodology.

Between April 2021 and September 2022 there have been 11,953 people admitted 15,563 times for chronic ambulatory care sensitive conditions across the ICB.

Costed at tariff the value was approximately £42 million.

The table here shows the breakdown for Stevenage North.

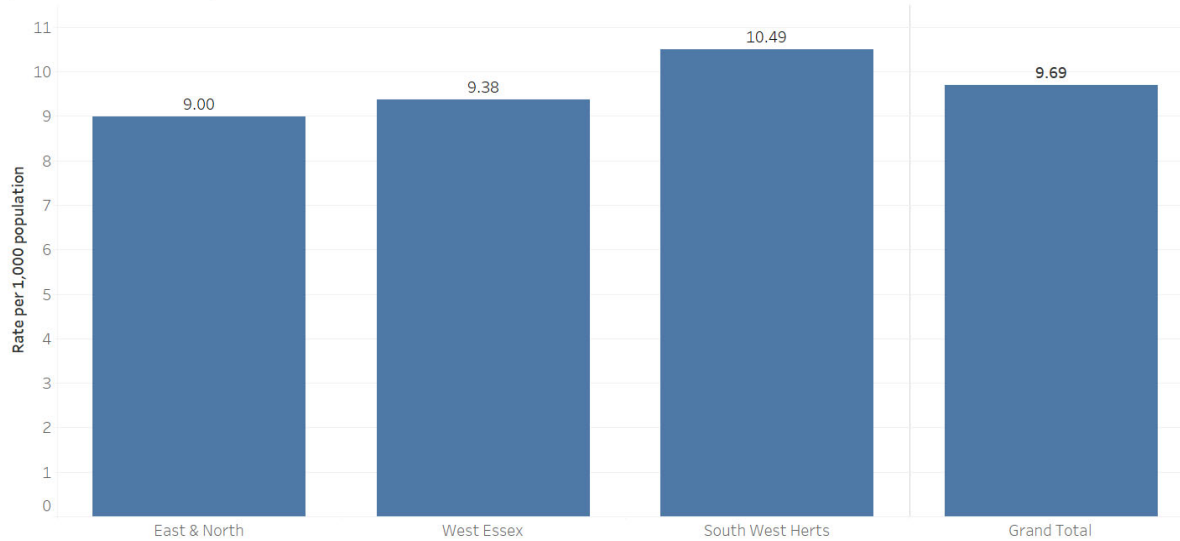
* Average cost for Mental and Behavioural is not representative as non-PbR

Chronic ACS admissions April 2021 - September 2022 Herts & West Essex ICB

Chronic ACS	Admissions	People	Average cost of admission	Tariff Total Payment National
CVD: AF and Flutter	51	44	£2,473	£126,124
CVD: Angina	16	16	£1,002	£16,030
CVD: Congestive Heart Failure	144	115	£4,424	£637,065
CVD: Hypertension	19	18	£739	£14,049
Diseases of the blood	22	19	£3,017	£66,376
Mental and Behavioural Disorders	5	5		
Neurological Disorders	62	35	£1,697	£105,232
Nutritional, endocrine and metabolic	96	69	£2,642	£253,634
Respiratory: Asthma	44	41	£1,310	£57,621
Respiratory: COPD	156	104	£2,433	£379,547
Grand Total	615	438	£2,692	£1,655,678

ACS Admission Rates per 1,000 Population by Place

Chronic Ambulatory Care Sensitive Conditions by Place
Rate per 1,000 Population
(Total Population)

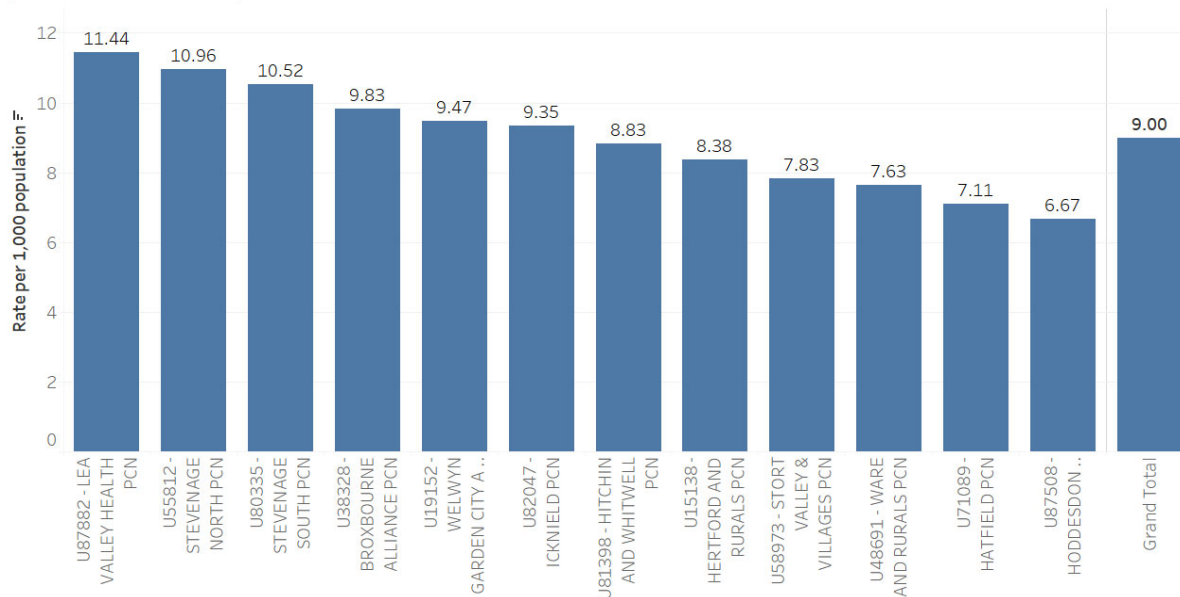


When comparing the Ambulatory Care Sensitive rates per 1,000 population between places, the East & North place has the lowest rate in the ICB.

Within East & North place, Stevenage North has a higher rate per 1,000 population, than the average.

The following slides look at how this is broken down by the different ACSs and how the patients fall within the different segments.

Chronic Ambulatory Care Sensitive Conditions by Place
Rate per 1,000 Population
(Total Population)



Source: HWE PHM Team, SUS UEC data-sets

Chronic ACS by Segment

ACS by segment_age



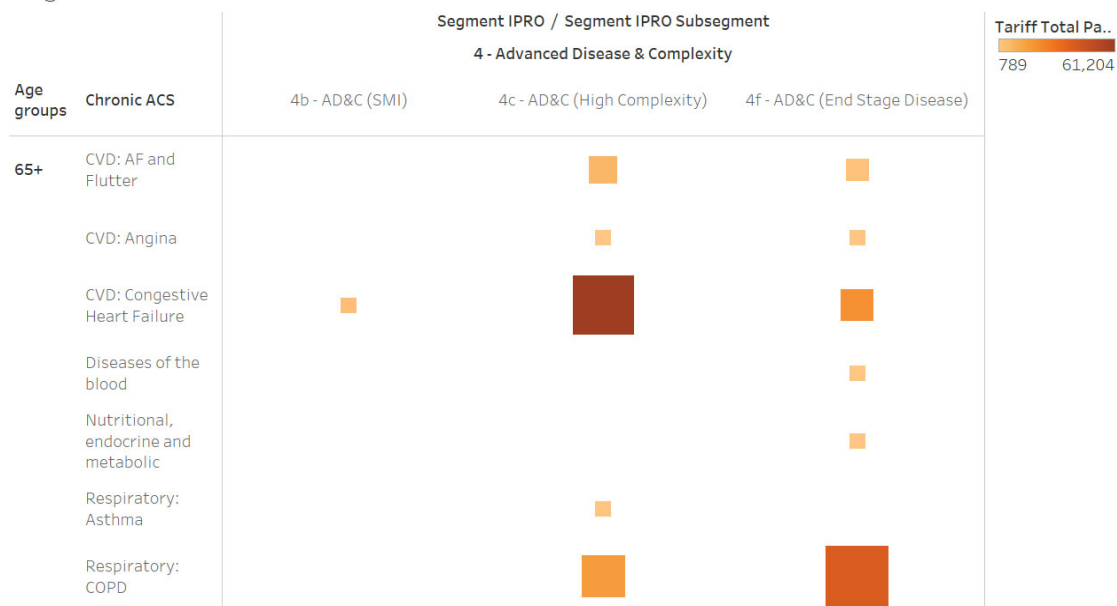
The above chart looks at the ACS admissions by age and segment. The size reflects volume and the depth of colour reflects cost.

When looking at the ACS conditions for Stevenage North the highest volume and cost is within the End of Life, Frailty and Dementia in the over 65 age group and the next highest volume and cost is for the over 65 age group in the Advanced Disease and Complexity segment as well. It is to be noted that under End of Life, Frailty and Dementia segment, there is a notable spread across 19-64 age groups for volume and cost.

The following pages look at which ACSs contribute to this.

UEC by Advanced Disease & Complexity, and EOL, Frailty & Dementia

Segment 4



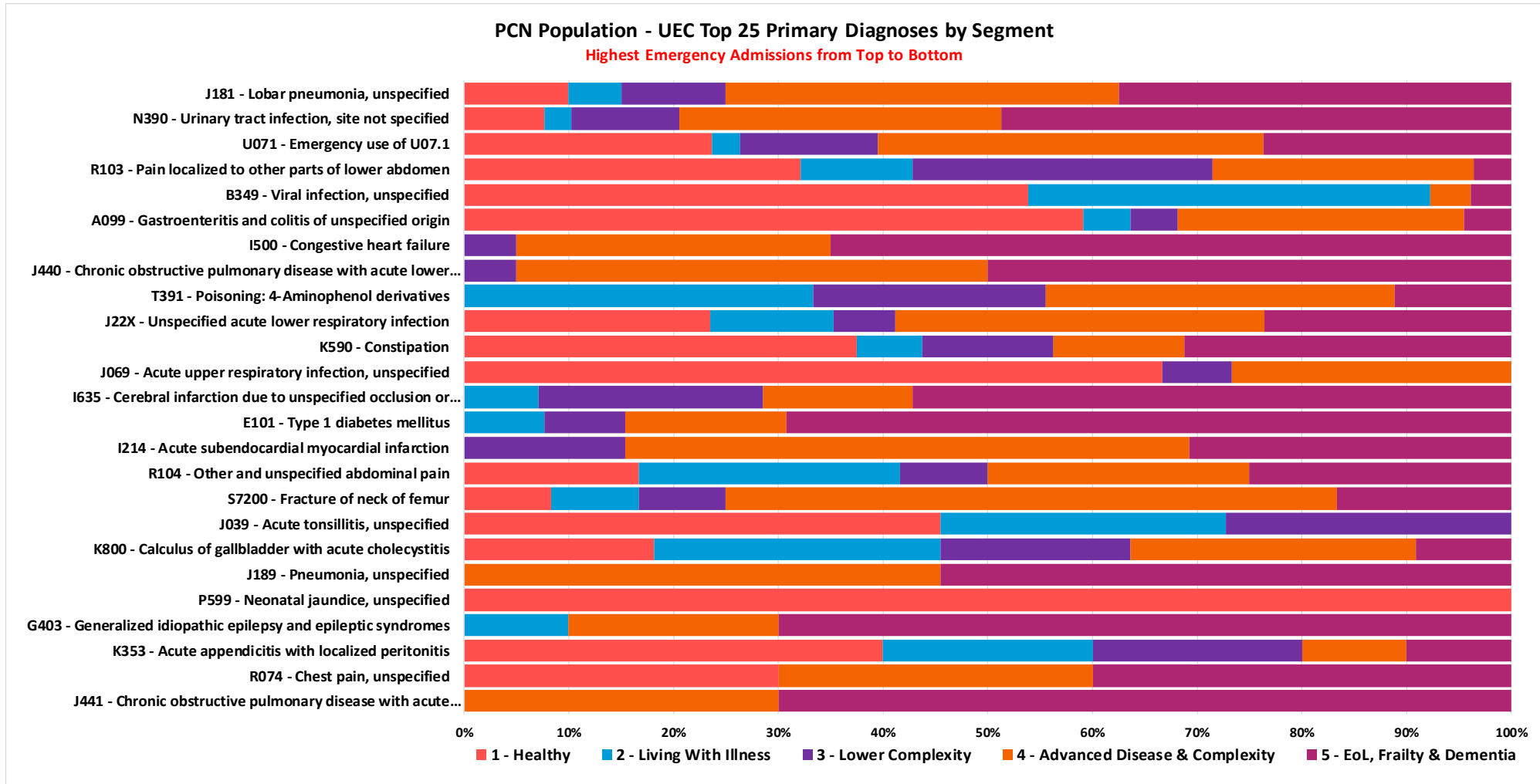
Ambulatory Care Sensitive conditions of note for people aged over 65 within the Advanced Disease and Complexity, is highlighted as Heart Failure and COPD, with the highest volume and cost.

For those people aged over 65 within the End of Life, Frailty & Dementia segment, COPD and Heart Failure, is highlighted with the highest volume and cost.

Segment 5



UEC Diagnoses by Segment



Here we have identified the top 25 primary diagnoses for the PCN's population, for all UEC admissions - and then these diagnoses split these by the health segments that each patient falls into to see where outliers are for the PCN.

UEC & Segmentation + Deprivation by Ward

UEC Patients Seen by Segment & Ward	1 - Healthy	2 - Living With Illness	3 - Lower Complexity	4 - Advanced Disease & Complexity	5 - EoL, Frailty & Dementia	Grand Total
Baldock East		2				2
Bandley Hill	8	6	5	16	19	54
Bedwell	9	13	8	25	29	84
Borehamwood Hillside					1	1
Buntingford		1				1
Chells	37	20	35	45	45	182
Datchworth & Aston	1	1		4		6
Flamstead End		1		1		2
Grovehill	1					1
Hatfield Central				1		1
Hatfield East		1				1
Hatfield West		1				1
Hertford Bengoe	1					1
Hertford Kingsmead					2	2
Hertford Rural North	2					2
Hitchin Highbury				1		1
Hitchin Oughton			1		1	2
Hollybush			1			1
Howlands	1		4			5
Knebworth		1		2	1	4
Letchworth East		1	1			2
Letchworth Grange					1	1
Letchworth Wilbury					1	1
Longmeadow	11	4	5	10	4	34
Manor	21	14	20	46	15	116
Martins Wood	29	10	19	51	48	157
Old Town	22	2	13	12	5	54
Park Street		2				2
Peartree			1			1
Pin Green	36	21	20	44	86	207
Roebuck	5	4	9	9	9	36
Rosedale and Bury Green	2					2
Shephall	10	9	4	13	15	51
Sherrards		1				1
St Nicholas	17	8	7	24	19	75
Symonds Green	27	17	30	44	47	165
Walkern	2		1			3
Waltham Cross		1				1
Ware Christchurch				1		1
Welwyn East					1	1
Woodfield	10	10	5	9	9	43
Unknown Ward	34	21	17	17	18	107
Grand Total	288	170	206	375	376	1415

UEC Patients Seen by Deprivation Quintile & Ward	1	2	3	4	5	(blank)	Grand Total
1 = Most Deprived, 5 = Least Deprived							
Baldock East					2		2
Bandley Hill	16	20	18				54
Bedwell	84						84
Borehamwood Hillside			1				1
Buntingford				1			1
Chells		153	29				182
Datchworth & Aston				6			6
Flamstead End	1	1					2
Grovehill	1						1
Hatfield Central		1					1
Hatfield East	1						1
Hatfield West			1				1
Hertford Bengoe			1				1
Hertford Kingsmead			2				2
Hertford Rural North			2				2
Hitchin Highbury					1		1
Hitchin Oughton	1	1					2
Hollybush		1					1
Howlands			4	1			5
Knebworth				1	3		4
Letchworth East	1		1				2
Letchworth Grange			1				1
Letchworth Wilbury	1						1
Longmeadow	15	13	6				34
Manor		70		30	16		116
Martins Wood	113		44				157
Old Town	32		22				54
Park Street		2					2
Peartree	1						1
Pin Green	172	35					207
Roebuck	23	13					36
Rosedale and Bury Green			2				2
Shephall	25	26					51
Sherrards			1				1
St Nicholas	26	49					75
Symonds Green	125	40					165
Walkern			1	2			3
Waltham Cross		1					1
Ware Christchurch			1				1
Welwyn East					1		1
Woodfield		39	4				43
Unknown Ward						107	107
Grand Total	638	467	139	41	23	107	1415

It is also useful to note under which Wards that the PCNs population are linked to, and specifically here, where the admissions are highest.

The indication then for these patients split by health segments also adds a layer of importance when considering how the District Councils may help you investigate your population and where the wider determinants and health inequalities may be present.

It is also important to know that a Ward may be made up of different LSOAs, and therefore have different levels of deprivation as found in the Indices of Multiple Deprivation scoring given to us by the Government; in the graph quintile 1 is the Highest or Most deprived, and quintile 5 is the Least deprived.



Hospital Admissions

	Period	HERTFORDSHIRE AND WEST ESSEX	STEVENAGE NORTH PCN
Emergency admissions injuries due to falls in those aged 65+	2020/21	2026	1576.5
Emergency asthma, diabetes and epilepsy admissions (aged 0-18)	2020/21	130.8	118.4
Emergency admissions for children with lower respiratory tract infections (age 0-18)	2020/21	40.5	
Emergency admissions for chronic ambulatory care sensitive conditions	2020/21	505.9	260.4
Mental health admissions (all ages)	2020/21	177.2	146.9
Emergency Cancer Admissions	2020/21	494.9	572.7
Emergency admissions for acute conditions shouldn't require admissions	2020/21	611.6	422.1

■ Similar
 ■ Significantly Worse
 ■ Significantly Better

PH.Intelligence@hertfordshire.gov.uk



The above table produced by the Hertfordshire Public Health Evidence and Intelligence team shows the emergency admissions data within fingertips.

Stevenage North PCN rates vary from significantly better, similar and significantly worse rate of admissions to the ICB, dependent on Admission categories.

Frailty Segment - Detailed PCN Breakdown

	Most deprived ←										→ Most affluent			
Index of Multiple Deprivation Decile	1	2	3	4	5	6	7	8	9	10	NULL	PCN	ICS	
Overall Population Measures														
Population		19	33	222	136	185	51	8	21	13	18	706	37725	
% of population in cohort		2.7%	4.7%	31.4%	19.3%	26.2%	7.2%	1.1%	3.0%	1.8%	2.5%	100.0%	100.0%	
Avg. Age		70.8	69.0	76.9	72.9	75.9	77.0	77.5	74.5	75.7	73.0	75.2	75.6	
% BAME Where recorded		0%	13%	6%	7%	7%	2%	0%	5%	8%	6%	6%	8%	
Avg. number of Acute and Chronic Conditions		6.6	4.0	4.9	4.9	5.5	5.7	5.6	5.6	3.9	4.3	5.1	5.5	
Activity Measure														
Emergency Admissions		1.0	0.7	0.5	0.5	0.4	0.7	0.6	0.2	0.4	0.5	0.5	0.6	
A&E Attendances		1.9	1.0	1.0	1.1	1.0	1.2	1.0	0.6	1.2	0.9	1.0	0.9	
GP Encounters		182.3	172.9	154.5	136.7	138.8	169.6	117.3	158.9	106.8	110.7	147.4	103.4	
Admitted Bed Days		3.7	4.7	3.2	2.6	2.7	6.8	4.3	1.1	4.2	2.2	3.2	4.2	
Physical Health														
Asthma		47.4%	18.2%	20.3%	23.5%	27.0%	19.6%	12.5%	14.3%	15.4%	22.2%	22.9%	25.2%	
Cancer		15.8%	33.3%	27.9%	31.6%	29.2%	39.2%	25.0%	47.6%	30.8%	27.8%	30.3%	32.8%	
Chronic Cardiac Disease		52.6%	36.4%	43.2%	46.3%	56.8%	60.8%	37.5%	57.1%	46.2%	38.9%	48.9%	47.5%	
Chronic Respiratory Disease		31.6%	15.2%	23.0%	22.8%	23.2%	29.4%	12.5%	28.6%	15.4%	11.1%	22.9%	22.2%	
CKD		15.8%	9.1%	7.2%	14.7%	12.4%	23.5%	12.5%	4.8%	30.8%	11.1%	12.0%	20.7%	
Heart Disease		57.9%	18.2%	34.7%	35.3%	43.2%	43.1%	25.0%	47.6%	30.8%	27.8%	37.5%	39.1%	
Hypertension		68.4%	63.6%	71.6%	72.8%	83.8%	76.5%	75.0%	61.9%	53.8%	77.8%	74.5%	74.5%	
Diabetes		47.4%	57.6%	41.4%	53.7%	57.3%	51.0%	50.0%	52.4%	46.2%	55.6%	50.4%	42.8%	
Obesity		57.9%	45.5%	47.3%	56.6%	61.1%	58.8%	37.5%	57.1%	38.5%	50.0%	53.8%	32.8%	
Rheumatoid Arthritis		10.5%	0.0%	3.2%	2.9%	4.9%	2.0%	12.5%	4.8%	0.0%	0.0%	3.5%	5.3%	
Stroke		52.6%	21.2%	33.3%	30.9%	36.2%	37.3%	50.0%	33.3%	23.1%	16.7%	33.4%	34.5%	
Mental Health														
Anxiety		36.8%	24.2%	22.1%	19.1%	28.6%	11.8%	25.0%	33.3%	15.4%	27.8%	23.4%	29.0%	
Depression		57.9%	18.2%	26.1%	28.7%	29.2%	35.3%	25.0%	28.6%	0.0%	16.7%	27.9%	33.6%	
Dementia		15.8%	12.1%	30.6%	8.1%	15.7%	7.8%	50.0%	23.8%	7.7%	22.2%	18.8%	18.6%	
Serious Mental Illness		5.3%	3.0%	2.3%	2.2%	1.6%	2.0%	25.0%	0.0%	0.0%	0.0%	2.3%	6.5%	
Low Mood		36.8%	6.1%	9.9%	8.8%	13.5%	5.9%	0.0%	23.8%	0.0%	5.6%	10.9%	18.5%	
Suicide		5.3%	3.0%	1.4%	2.9%	1.1%	0.0%	0.0%	4.8%	0.0%	11.1%	2.0%	1.5%	
Mental Health Flag		68.4%	30.3%	37.4%	33.8%	42.2%	41.2%	50.0%	52.4%	15.4%	33.3%	38.8%	48.8%	
Screening and Verification Refusal														
Bowel Screening Refused		21.1%	27.3%	25.7%	24.3%	32.4%	31.4%	12.5%	28.6%	30.8%	11.1%	27.2%	25.5%	
Cervical Screening Refused		10.5%	9.1%	1.8%	8.1%	3.2%	3.9%	0.0%	0.0%	7.7%	0.0%	4.1%	3.6%	
Flu Vaccine Refused		21.1%	24.2%	18.9%	28.7%	25.4%	35.3%	0.0%	28.6%	23.1%	22.2%	24.2%	26.4%	
Wider Indicators														
Has A Carer		10.5%	9.1%	17.1%	11.8%	19.5%	17.6%	12.5%	9.5%	0.0%	5.6%	15.3%	19.0%	
Is A Carer		15.8%	12.1%	13.1%	17.6%	13.5%	15.7%	25.0%	4.8%	23.1%	5.6%	14.2%	11.9%	
MED3 Not Fit For Work (ever)		26.3%	15.2%	6.3%	13.2%	8.1%	7.8%	0.0%	14.3%	7.7%	16.7%	9.6%	13.4%	
MED3 Not Fit For Work (in Last Year)		10.5%	9.1%	1.8%	2.2%	1.1%	0.0%	0.0%	9.5%	7.7%	0.0%	2.4%	3.5%	
MED3 Not Fit For Work (in Last Six Months)		10.5%	9.1%	1.4%	3.7%	1.6%	0.0%	0.0%	4.8%	7.7%	0.0%	2.5%	2.8%	
Avg. number of eFI Deficits		15.1	11.9	13.0	13.4	14.6	14.2	11.4	12.9	11.9	13.7	13.6	13.4	
eFI_Housebound		10.5%	9.1%	11.7%	2.9%	4.9%	3.9%	25.0%	9.5%	0.0%	0.0%	7.1%	10.9%	
eFI_SocialVulnerability		26.3%	15.2%	23.4%	14.7%	18.4%	13.7%	0.0%	0.0%	15.4%	22.2%	18.3%	27.3%	
People_ChildrenInPoverty			18.1					4.1		8.5		12.2	15.5	
Housing_FuelPoverty		13.1	15.9	13.2	11.9	11.1	10.0	9.0	5.8	4.9		11.8	11.1	
Housing_OnePersonHousehold		51.7	31.4	38.1	31.1	27.5	23.5	28.7	26.5	25.1		32.1	28.3	

14.8% of the general population in HWE ICB live within the 4 most deprived deciles, whilst 16.1% of the population in the EoL, severe frailty and severe dementia segment live within the 4 most deprived deciles.

In Stevenage North 38.8% of the population in the EoL, severe frailty and severe dementia segment live within the 4 most deprived deciles.

The average age of a person within the Frail and End of life segment increases with affluence, ranging from 69 in the most deprived decile to 77 within the most affluent decile within the ICB.

As we would expect the average number of acute and chronic conditions is significantly higher within this segment that the general population as are all activity measures. The average number of Chronic Conditions for people within Stevenage North PCN is slightly lower than the ICB, and the data shows significantly higher usage of GP services.

Within this segment we can see the presence of Diabetes, Obesity, Chronic Cardiac Disease and Heart Disease being highlighted which chimes with the reason for admission within previous analysis for ACS conditions. It is to be noted that Hypertension is high across all deciles but on par with the ICB.

Applying Machine Learning factors without our data platform

Why Machine Learning?

With limited capacity available across the ICB available to review lists of patients it is important that the data available is used to its maximum to refine our process and target our resources where they will have the most impact.

The aim is to build the features identified from the machine learning in to system searches for EMIS and SystmOne.

Approach

- Trained several machine learning models on ~1 million linked patient records across ~200 features from the ICS segmentation dataset, for binary A&E risk prediction (will this patient use A&E within the next year?).

- Selected a final twin ensemble model with a binary classification accuracy of 81.3%.

- Extracted output probabilities for each class to estimate a risk score for each patient, and generated risk scores for all of the patients in the segmentation data. We can think of the risk score as the model's confidence in a patient requiring A&E.

- Partitioned the patient population into 3 distinct grades, Low, Medium and High risk, based on the machine learning predictions:

Risk grade	Range of predicted risk scores	Number of patients in grade	% of population in grade
High	0.8 to 1.0	22603	1.8
Medium	0.6 to 0.8	100446	8.1
Low	0.0 to 0.6	1115544	90.1

Creating search logic from significant features

- Features input to the predictive model include demographic features, diagnosis codes, prescribed medication, waitlist information and environmental factors such as housing and proximity to healthcare.

- Used feature rankings learned by the model to reduce the set of ~200 features to the 30 most significant features that best explain the variance in the predicted class (requiring A&E or not).

- Trained secondary machine learning models, 5-split decision trees, to classify patients into each of the three risk grades based on these 30 significant features.

- Extracted decision tree logic to create search filters for patients by risk grade. 5 splits → $2^5 = 32$ unique rules. These rules have been merged and prioritised (by considering individual accuracies and sample sizes) to maximise precision and recall in the final search filters.

Feature	Relative significance (%)
Age	15.03
Drug: Pain Management	10.22
Substance Abuse	4.19
Med3 Not Fit For Work	3.41
Stroke	3.03
eFI: Falls	2.23
Air Rank Quality	2.01
Waiting List Count All	1.83
...	...

Risk Grade: High	Age < 3 AND Drug: Salbutamol AND eFI: Dyspnoea
	Med3 Not Fit For Work (last six months) AND Substance Abuse AND ONE OF:- <ul style="list-style-type: none"> • Drug: Pain Management AND eFI: Peptic Ulcer • Chronic Cardiac Disease
	Drug: Pain Management AND eFI: Falls AND ONE OF:- <ul style="list-style-type: none"> • Stroke AND eFI: Memory and Cognitive Problems • Stroke AND Substance Abuse • End Stage Disease
Risk Grade: Medium	Age < 3 AND ONE OF:- <ul style="list-style-type: none"> • Drug: Salbutamol AND NO eFI: Dyspnoea • On any waiting list
	Med3 Not Fit For Work (last six months) AND Substance Abuse AND NO Chronic Cardiac Disease
	Age < 45 AND Med3 Not Fit For Work (last six months) AND Drug: Pain Management Drug: Pain Management AND Substance Abuse AND ONE OF: <ul style="list-style-type: none"> • Drug: Opioids • eFI: Falls AND NO Stroke AND NO End Stage Disease
Risk Grade: Low	All others

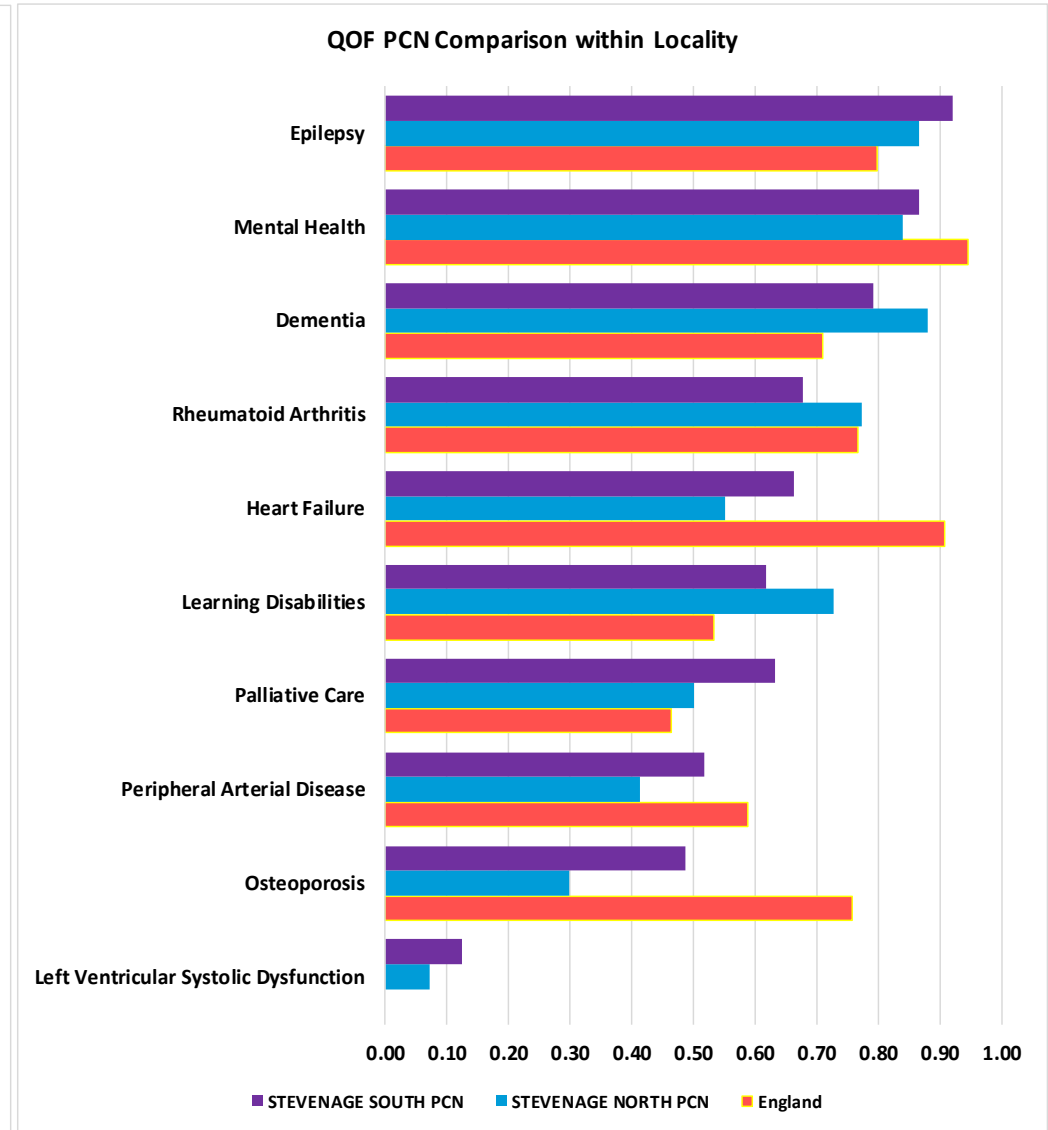
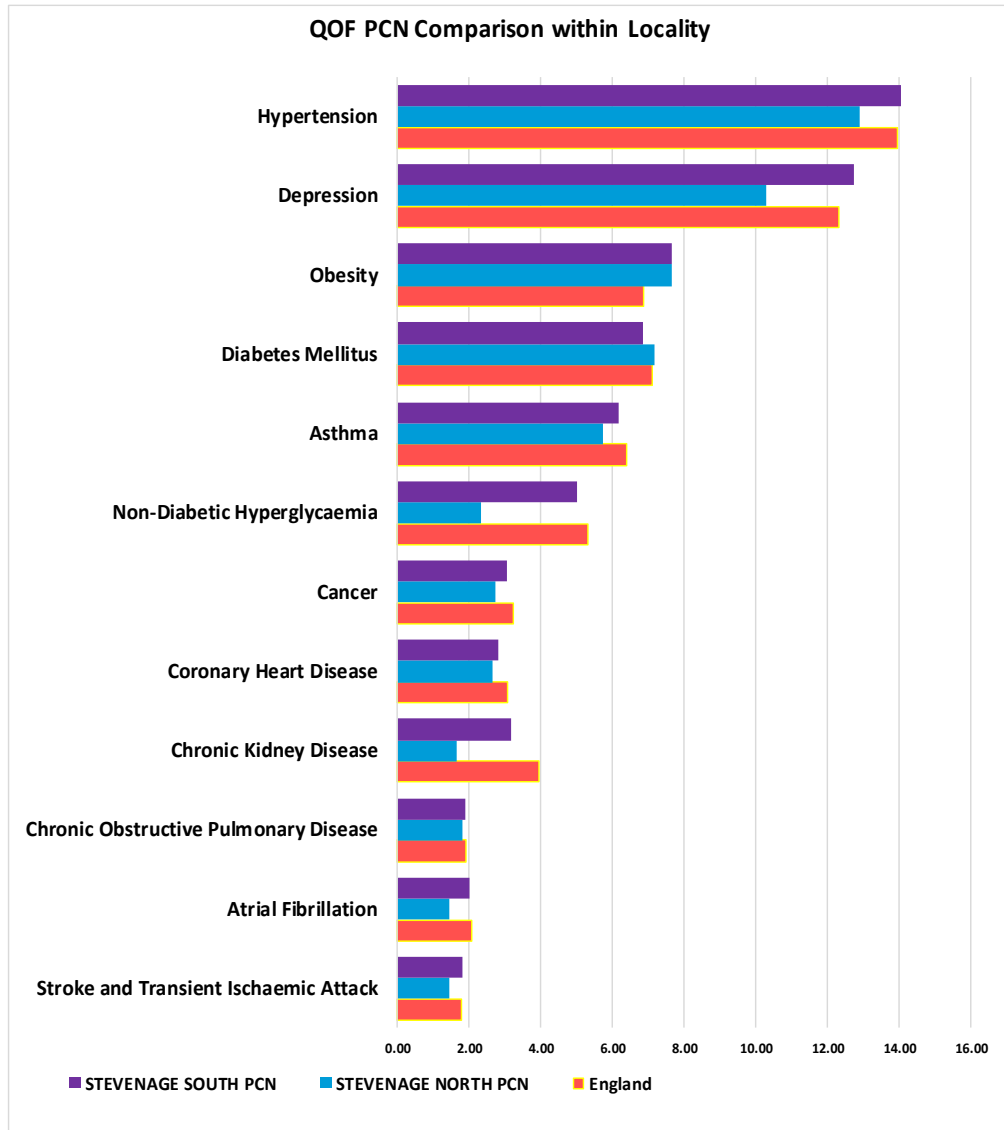
Quality & Outcomes Framework

Contents:

- QOF Local, Regional, & National Comparison
- QOF Locality & PCN Comparison
- QOF Missed Diagnoses & Admission Rates
- Admission Rates Benchmarking against ICB/Place



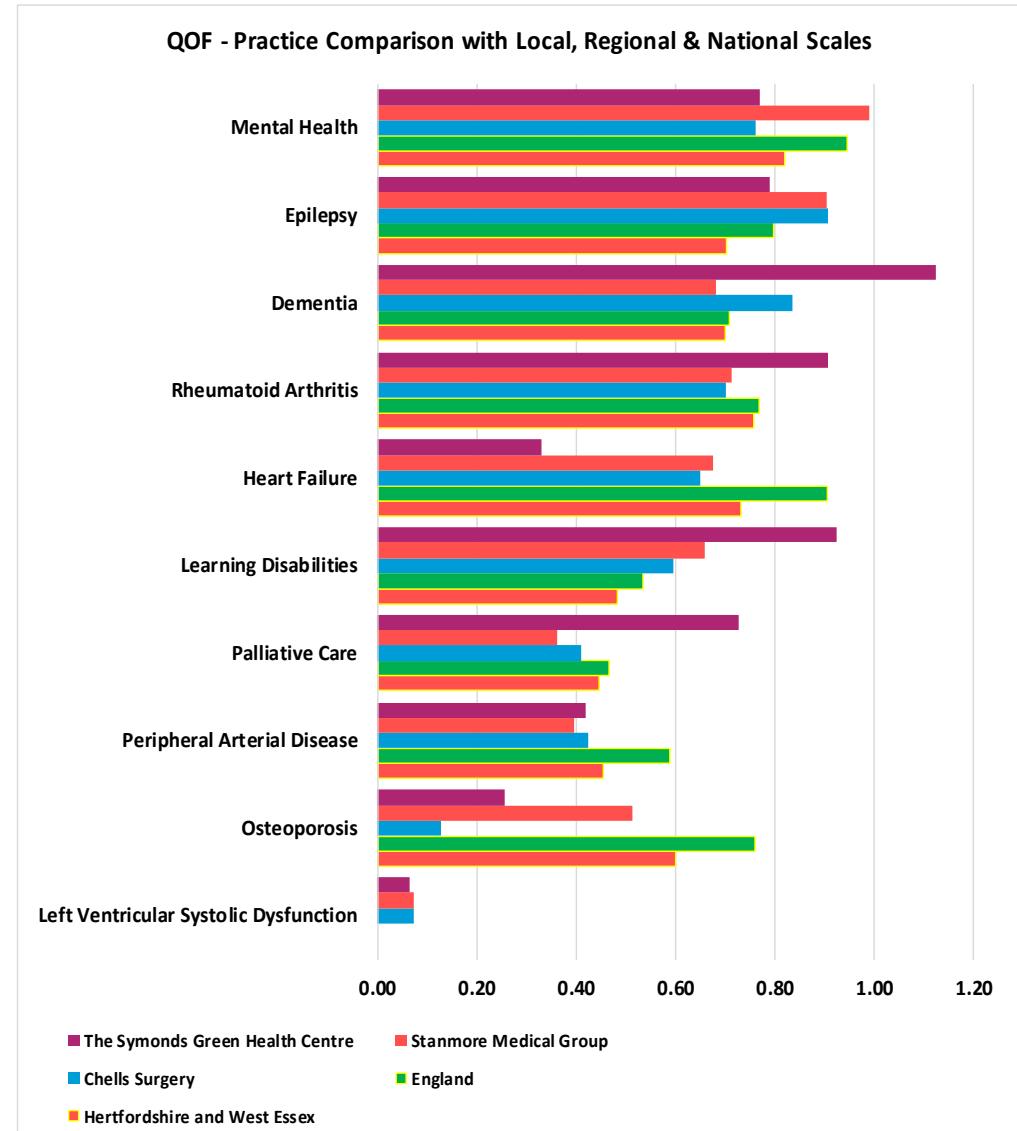
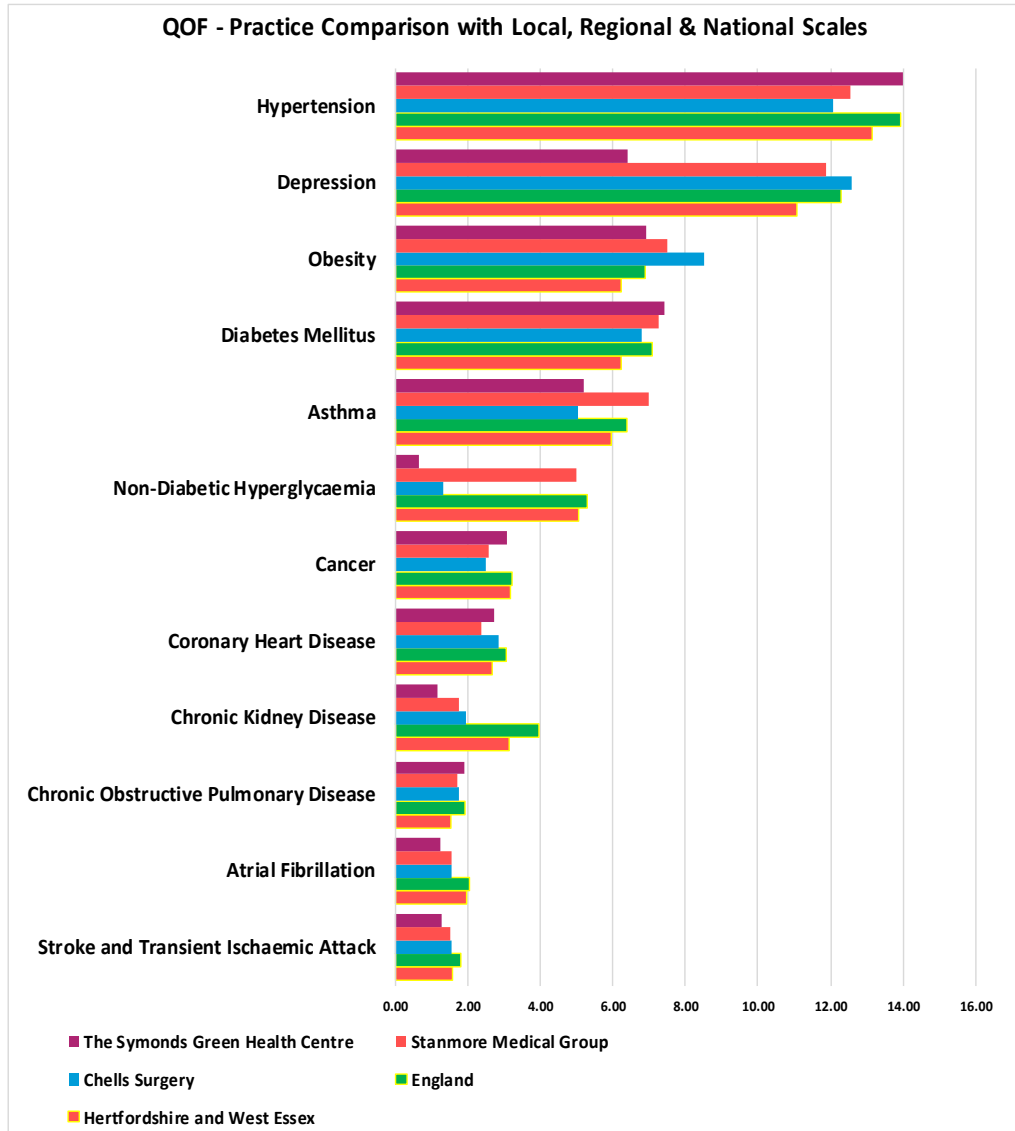
QOF - Locality & PCN Comparison



The Quality and Outcome Framework incorporates important benchmarking and scoring for all Practices across the county; we have combined a number of local, regional, and national data sets to highlight the areas that the PCN will need to consider.

In this graph we have shown all your neighbouring PCNs within the Locality, and benchmarked against England's average.

QOF - Local, Regional, & National Comparison



The charts here are similar to the previous slide but provides the comparison between practices within the PCN.

QOF - Missed Diagnoses & Admission Rates

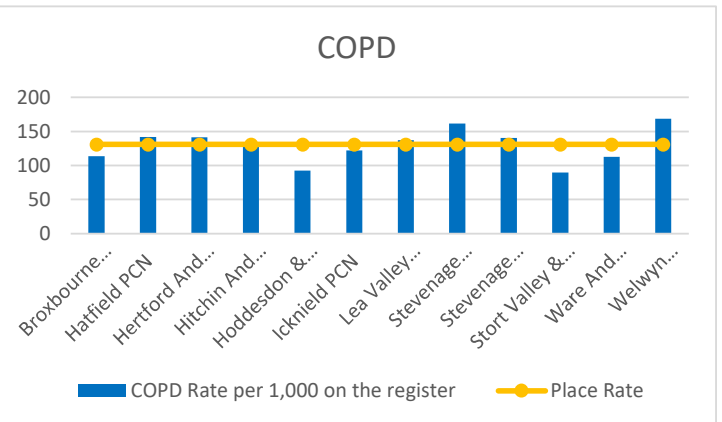
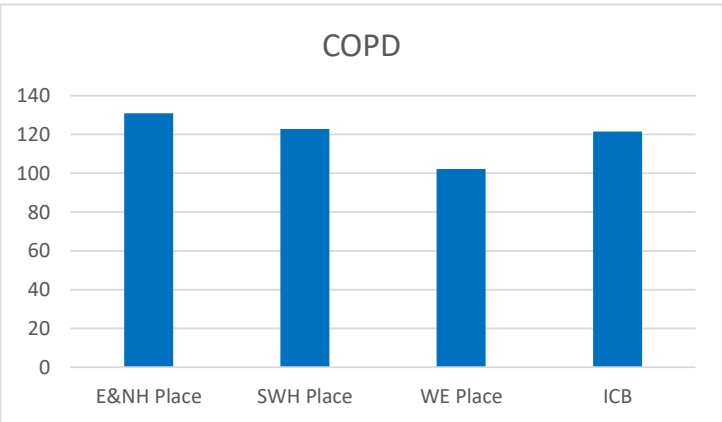
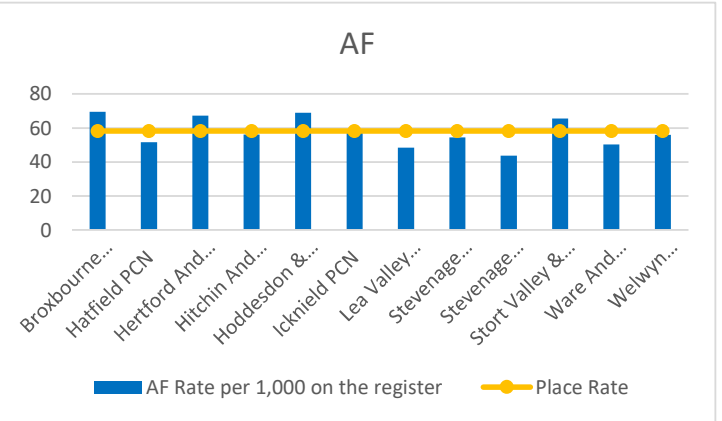
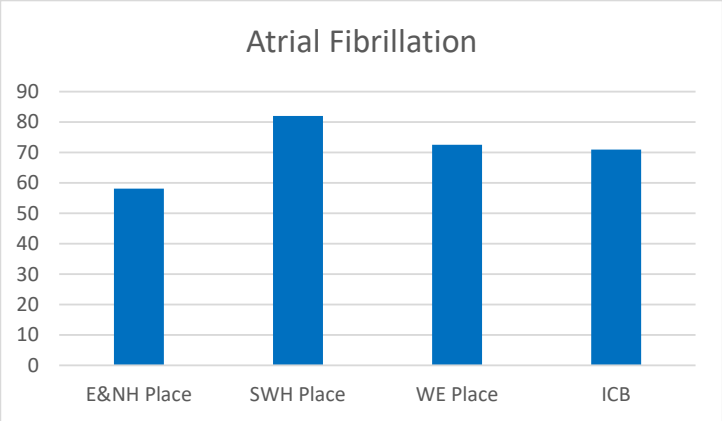
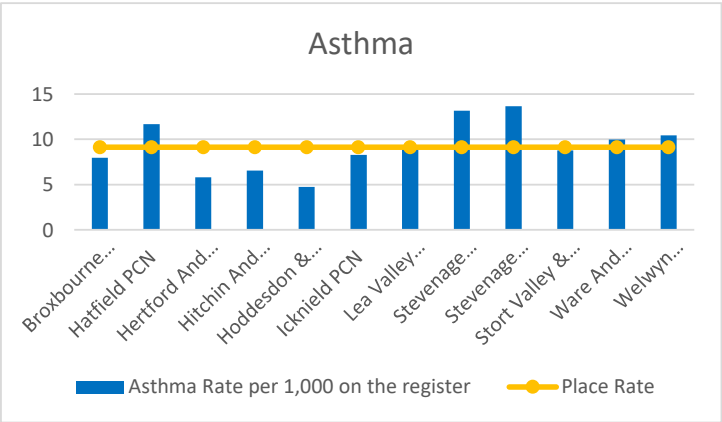
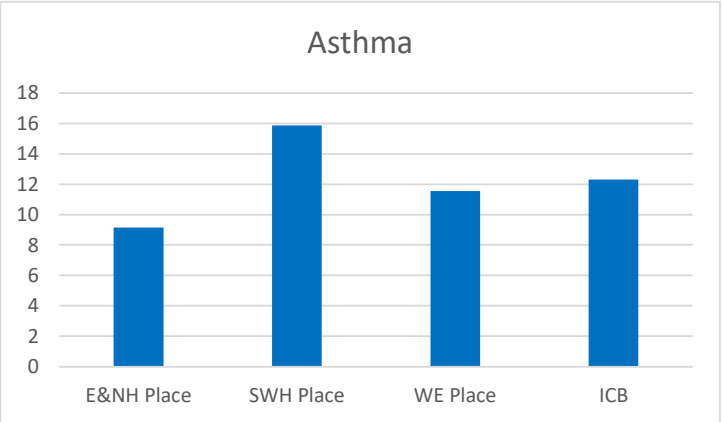
Disease	QOF List size 21-22	QOF Register 21-22	QOF Prevalence 21/22	Place prevalence	ICB prevalence	Modelled prevalence	New diagnoses to meet Place average	new diagnoses to meet ICB average	New diagnoses to meet estimated prevalence
Asthma	52006	3339	6.42%	6.39%	6.17%		-17	-131	
COPD	56003	966	1.72%	1.54%	1.49%	2.30%	-106	-134	319
Diabetes	44169	3244	7.34%	6.29%	6.39%	7.78%	-466	-423	190
Non-diabetic hyperglycaemia	43524	1729	3.97%	4.63%	5.87%	10.87%	287	826	3003
Hypertension	56003	6992	12.49%	13.25%	13.21%		431	407	
Atrial Fibrillation	56003	917	1.64%	2.01%	2.02%	2.20%	211	215	315
Stroke and TIA	56003	895	1.60%	1.70%	1.61%		57	6	
Coronary Heart Disease	56003	1431	2.56%	2.62%	2.65%		38	55	
Heart failure	56003	410	0.73%	0.71%	0.75%	1.28%	-12	13	305
Left Ventricular Systolic Dysfunction	56003	55	0.10%	0.20%	0.30%		57	113	
Chronic Kidney Disease	43524	736	1.69%	2.53%	3.21%		366	660	
Peripheral Arterial Disease	56003	228	0.41%	0.46%	0.44%		28	20	
Cancer	56003	1522	2.72%	3.33%	3.35%		342	352	
Palliative care	56003	212	0.38%	0.50%	0.43%		69	28	

The table above shows the latest prevalence (2021/22 published August 2022) for the PCN alongside the place prevalence, ICB prevalence and the modelled prevalence for the PCN.

This table shows opportunities for further identification. It outlines the diagnoses to meet the place, ICB and estimated prevalence.

Within Ardens Manager there are case finding searches that can support PCN with identification.

Emergency Admission Rates per 1,000 population on the Disease Register



The charts on the left shows the Emergency Admissions Rates per 1,000 population on the disease register.

It shows the places compared with the ICB on the left and on the right it show the PCNs within a Place.

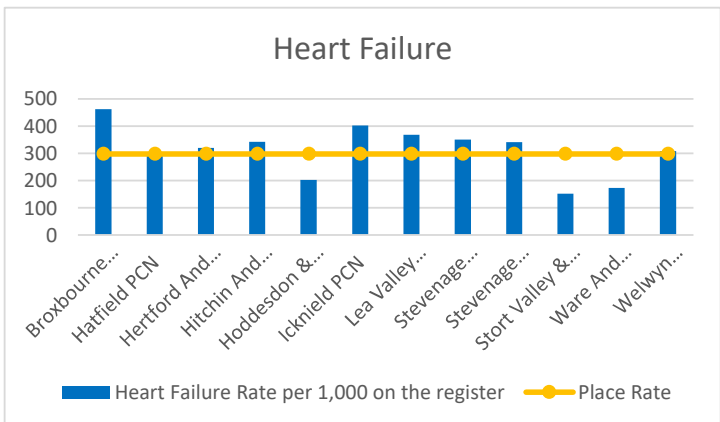
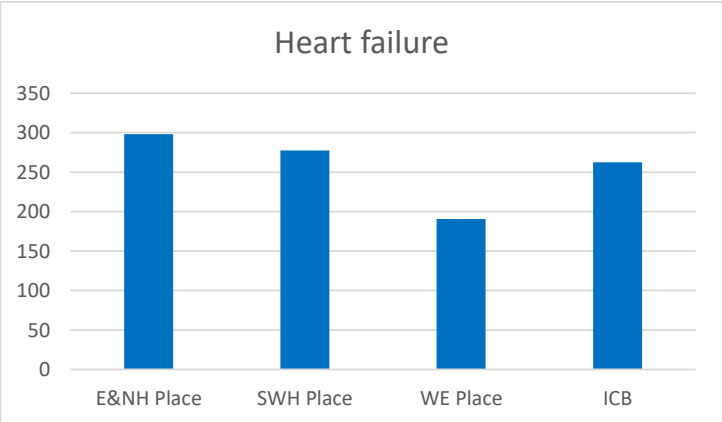
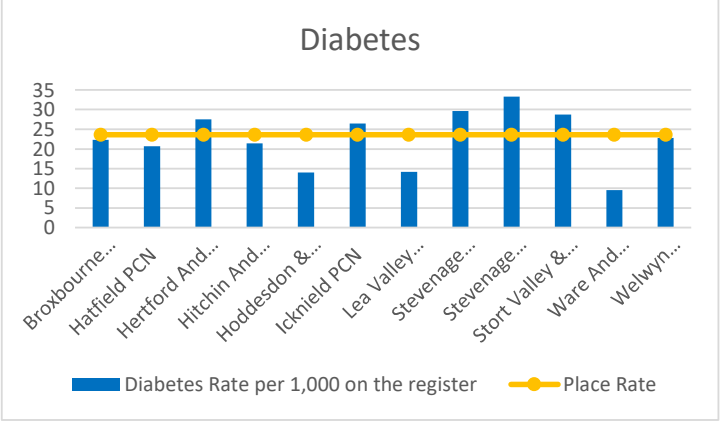
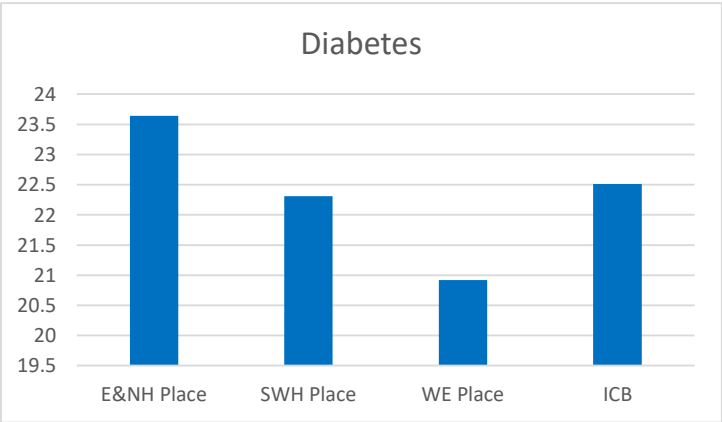
These are continued on the following place.

Rates may be high due to a number of factors which may include low identification.

For Stevenage North the data shows higher COPD and Heart Failure rates which was identified as a theme within the ACS analysis. It is to be noted that Asthma and Diabetes rates is significantly higher than the place average.

Source: HWE PHM Team, SUS data

Emergency Admission Rates per 1,000 population on the Disease Register



Source: HWE PHM Team, SUS data

Matrix Data - Ethnicity

Ethnicity Group	Other ethnic groups			Asian			Asian or Asian British			Black			Mixed			Other			White			Unknown			Grand Total
	Low Complexity	Middle Complexity	High Complexity	Low Complexity	Middle Complexity	High Complexity	Low Complexity	Middle Complexity	High Complexity	Low Complexity	Middle Complexity	High Complexity	Low Complexity	Middle Complexity	High Complexity	Low Complexity	Middle Complexity	High Complexity	Low Complexity	Middle Complexity	High Complexity	Low Complexity	Middle Complexity	High Complexity	
Overall Population Measures																									
Population	75	43	320	264	17	21	11		248	220	14	158	126	7	227	122	10	5,750	6,597	806	2,840	929	21	18,827	
Age	35	55	25	46	68	33	49	72	28	48	64	21	40	69	24	46	69	26	51	71	31	46	70	39	
Male %	48.0%	48.8%	49.1%	44.3%	52.9%	52.4%	45.5%	#####	52.4%	46.8%	14.3%	51.3%	46.8%	28.6%	56.8%	43.4%	50.0%	54.1%	44.7%	47.5%	59.8%	53.8%	38.1%	50.8%	
IMD	5.0	5.1	5.3	5.6	5.3	5.1	5.1	4.0	4.9	5.1	5.3	5.1	4.9	4.7	5.2	5.4	5.1	5.4	5.5	5.2	5.4	5.5	5.5	5.4	
% BAME (where recorded)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%				13%	
Multimorbidity (acute & chronic)	0.0	1.5	0.0	1.7	5.8	0.0	1.4	5.0	0.0	1.6	6.1	0.0	1.6	6.1	0.0	1.6	5.3	0.0	1.9	6.4	0.0	1.5	5.7	1.1	
Finance and Activity Measures																									
Spend	Total	£0.0M	£0.0M	£0.1M	£0.2M	£0.1M	£0.0M	£0.0M	£0.0M	£0.1M	£0.2M	£0.0M	£0.1M	£0.1M	£0.0M	£0.1M	£0.1M	£0.1M	£2.1M	£5.7M	£2.8M	£0.3M	£0.2M	£0.1M	#####
	PPPY - Total	£178	£458	£254	£810	£6,712	£104	£308	£4,312	£318	£1,007	£2,952	£419	£908	£4,716	£496	£896	£5,236	£365	£861	£3,520	£100	£237	£3,159	£662
	Acute Elective	£71	£76	£77	£363	£1,114	£25	£171	£1,016	£128	£485	£1,621	£168	£413	£673	£213	£438	£3,322	£142	£411	£1,282	£28	£76	£605	£279
	Acute Non-Elective	£41	£260	£103	£282	£5,039	£10	£0	£2,909	£109	£340	£1,014	£168	£344	£3,613	£207	£290	£1,421	£144	£281	£1,808	£26	£52	£2,249	£256
	GP Encounters	£66	£122	£75	£165	£560	£69	£137	£387	£81	£182	£318	£83	£151	£430	£76	£168	£493	£80	£169	£430	£46	£109	£306	£127
	Community	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
	Mental Health	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
	Social Care	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
	GP PPPY	22	40	25	56	191	20	41	100	28	62	107	28	52	144	26	60	177	27	57	145	16	37	105	43
	Beddays PPPY - Acute EM	0	1	0	0	10	0	0	2	0	1	1	0	1	19	0	1	9	0	0	4	0	0	2	0
Physical Health																									
Diabetes		0.0%	65.1%	0.0%	46.6%	70.6%	0.0%	63.6%	100.0%	0.0%	42.3%	64.3%	0.0%	34.1%	85.7%	0.0%	27.0%	60.0%	0.0%	33.8%	59.2%	0.0%	14.3%	47.6%	17.0%
COPD		0.0%	2.3%	0.0%	1.1%	17.6%	0.0%	0.0%	100.0%	0.0%	0.5%	7.1%	0.0%	0.0%	0.0%	0.0%	0.8%	10.0%	0.0%	2.2%	33.6%	0.0%	2.2%	52.4%	2.4%
Chronic Respiratory Dis...		0.0%	2.3%	0.0%	4.2%	17.6%	0.0%	0.0%	100.0%	0.0%	3.2%	14.3%	0.0%	1.6%	28.6%	0.0%	2.5%	10.0%	0.0%	3.7%	38.2%	0.0%	2.8%	52.4%	3.3%
Hypertension		0.0%	27.9%	0.0%	28.8%	88.2%	0.0%	18.2%	100.0%	0.0%	40.0%	85.7%	0.0%	19.0%	57.1%	0.0%	27.0%	100.0%	0.0%	26.7%	75.9%	0.0%	27.3%	76.2%	15.5%
Obesity		6.7%	58.1%	9.7%	38.3%	52.9%	9.5%	27.3%	100.0%	8.5%	41.4%	50.0%	5.7%	33.3%	71.4%	3.1%	35.2%	60.0%	11.7%	48.3%	62.4%	4.5%	26.7%	42.9%	27.4%
Mental Health																									
Anxiety/Phobias		0.0%	2.3%	0.0%	8.3%	29.4%	0.0%	18.2%	0.0%	0.0%	7.7%	35.7%	0.0%	11.9%	71.4%	0.0%	16.4%	10.0%	0.0%	22.5%	36.6%	0.0%	23.1%	47.6%	11.1%
Depression		0.0%	7.0%	0.0%	12.9%	41.2%	0.0%	9.1%	0.0%	0.0%	14.5%	21.4%	0.0%	20.6%	71.4%	0.0%	19.7%	10.0%	0.0%	28.0%	42.1%	0.0%	25.8%	52.4%	13.7%
Learning Disability		0.0%	0.0%	0.0%	1.9%	5.9%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	3.2%	0.0%	0.0%	0.8%	0.0%	0.0%	1.7%	3.6%	0.0%	1.4%	0.0%	0.9%
Dementia		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	7.1%	0.0%	0.0%	0.0%	0.0%	1.6%	10.0%	0.0%	1.1%	13.3%	0.0%	0.9%	14.3%	1.0%
Other Characteristics																									
Housebound (eFI)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.1%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	3.8%	0.0%	0.6%	0.0%	0.3%	
Social Vulnerability (eFI)		0.0%	0.0%	0.0%	0.8%	11.8%	0.0%	0.0%	0.0%	0.0%	1.4%	7.1%	0.0%	2.4%	14.3%	0.0%	0.0%	10.0%	0.3%	2.4%	11.8%	0.2%	1.2%	9.5%	1.6%
History of Smoking (Tw...		9.3%	2.3%	2.8%	5.3%	0.0%	9.5%	18.2%	0.0%	4.0%	5.9%	0.0%	3.2%	14.3%	14.3%	6.2%	4.9%	10.0%	7.5%	12.7%	15.0%	7.4%	11.0%	28.6%	9.6%
Not Fit for Work (In Year)		4.0%	4.7%	2.2%	8.0%	5.9%	0.0%	9.1%	0.0%	4.0%	10.9%	7.1%	2.5%	11.9%	14.3%	3.5%	12.3%	10.0%	3.1%	7.9%	5.0%	1.5%	4.5%	9.5%	5.0%
On a Waiting List		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

PHM is underpinned by good linked data, with an appropriate method of extracting segmented or patients under key metrics; this matrix is showing the complexity of ethnic groups is broadly categorised across the PCN.

Matrix Data - Segment & Sub-Segment

Life Course Segment		1 - Healthy			2 - Living With Illness			3 - Lower Complexity			4 - Advanced Disease & Complexity			5 - EoL, Frailty & Dementia			Grand Total
Life Course Subsegment		1a - H (Low Risk)	1b - H (Maternity & Child)	1c - H (Acute Episodic)	2a - Lwl (At Risk)	2b - Lwl (LTCs)	2c - Lwl (MH)	3a - LC (Mod. Social Co..)	3b - LC (Multimorbidity)	3c - LC (Mild Frailty)	4a - AD&C (High Complexity)	4b - AD&C - High Social Complexity	4e - AD&C (End Stage Disease)	5a - EoLFD (Severe Frailty)	5b - EoLFD (Severe Dementia)	5c - EoLFD (End of Life)	
Overall Population Measures																	
Population		6,389	207	523	1,668	2,320	784	83	2,022	1,571	2,184	162	208	509	86	111	18,827
Age		24	10	14	42	43	35	47	50	50	54	63	67	76	84	66	39
Male %		58.4%	35.3%	57.2%	54.9%	55.5%	44.9%	48.2%	48.9%	40.6%	37.3%	42.0%	51.4%	37.7%	30.2%	36.9%	50.8%
IMD		5.4	5.6	5.3	5.4	5.6	5.4	5.3	5.4	5.5	5.4	5.2	5.1	5.2	4.7	5.4	5.4
% BAME (where recorded)		16%	19%	18%	13%	16%	9%	6%	11%	9%	8%	4%	8%	6%	4%	6%	13%
Multimorbidity (acute & chronic)		0.0	0.0	0.0	0.0	1.0	1.0	0.5	2.4	1.4	2.4	2.8	4.6	5.3	5.0	4.6	1.1
Finance and Activity Measures																	
Spend	Total	£0.6M	£0.2M	£0.8M	£0.7M	£1.2M	£0.4M	£0.0M	£1.5M	£1.1M	£2.6M	£0.2M	£0.6M	£1.8M	£0.2M	£0.5M	£12.5M
	PPPY - Total	£93	£1,063	£1,567	£403	£497	£531	£439	£724	£731	£1,180	£1,415	£2,882	£3,571	£2,337	£4,659	£662
	Acute Elective	£29	£173	£661	£164	£241	£202	£187	£355	£345	£570	£523	£1,086	£1,201	£262	£2,069	£279
	Acute Non-Elective	£14	£717	£773	£148	£147	£223	£127	£210	£226	£397	£624	£1,448	£1,922	£1,578	£2,206	£256
	GP Encounters	£50	£174	£133	£91	£109	£106	£126	£159	£159	£213	£268	£348	£448	£498	£384	£127
	Community	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
	Mental Health	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
	Social Care	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
	GP PPPY	17	59	45	31	38	35	41	55	54	72	88	116	149	165	128	43
	Beddays PPPY - Acute EM	0	1	1	0	0	1	0	0	0	1	2	3	4	3	4	0
Physical Health																	
Diabetes		0.0%	0.0%	0.0%	0.0%	30.9%	0.0%	15.7%	38.6%	26.1%	36.7%	28.4%	41.3%	55.4%	32.6%	41.4%	17.0%
COPD		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	1.1%	5.1%	4.9%	66.8%	21.4%	10.5%	18.9%	2.4%
Chronic Respiratory Dis...		0.0%	0.0%	0.0%	0.0%	2.7%	0.0%	1.2%	3.3%	2.2%	6.1%	4.9%	74.0%	24.6%	11.6%	24.3%	3.3%
Hypertension		0.0%	0.0%	0.0%	0.0%	19.6%	0.0%	12.0%	30.1%	23.7%	35.3%	38.3%	56.7%	81.3%	58.1%	55.9%	15.5%
Obesity		0.0%	0.0%	0.0%	42.3%	40.4%	19.3%	30.1%	50.9%	39.2%	51.9%	43.2%	50.5%	59.9%	17.4%	54.1%	27.4%
Mental Health																	
Anxiety/Phobias		0.0%	0.0%	0.0%	0.0%	0.0%	37.1%	6.0%	38.8%	14.6%	25.2%	17.3%	21.2%	25.3%	14.0%	21.6%	11.1%
Depression		0.0%	0.0%	0.0%	0.0%	0.0%	48.9%	3.6%	44.3%	19.9%	31.5%	22.8%	28.4%	28.9%	23.3%	27.0%	13.7%
Learning Disability		0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	3.6%	2.9%	0.5%	1.3%	25.3%	1.0%	1.2%	5.8%	3.6%	0.9%
Dementia		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	5.6%	2.4%	6.9%	100.0%	10.8%	1.0%
Other Characteristics																	
Housebound (eFI)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.0%	1.0%	4.3%	25.6%	5.4%	0.3%
Social Vulnerability (eFI)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	42.2%	1.0%	1.8%	2.3%	19.1%	4.8%	20.8%	11.6%	11.7%	1.6%
History of Smoking (Tw...		0.0%	0.0%	0.0%	34.7%	9.3%	12.9%	14.5%	11.7%	13.0%	15.1%	8.6%	22.6%	12.4%	2.3%	9.9%	9.6%
Not Fit for Work (In Year)		0.0%	0.0%	0.0%	11.7%	5.3%	7.7%	4.8%	9.3%	6.6%	10.3%	2.5%	10.1%	2.0%	0.0%	6.3%	5.0%
On a Waiting List		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

This matrix is important in defining the PCN's main segment and sub-segment health classifications, giving simple volumes but also linking how many as a percentage of each subsegment, have defined and diagnosed conditions.

Matrix Data - GP Activity

GP Activity		0			1		2-3		4-5		6-9		10+			Grand Total	
Complexity		Low Complexity	Middle Complexity	High Complexity	Low Complexity	Middle Complexity	Low Complexity	Middle Complexity	Low Complexity	Middle Complexity	Low Complexity	Middle Complexity	Low Complexity	Middle Complexity	High Complexity		
Overall Population Measures																	
Population		409	63		138	21	523	94	562	105	1,743	445	6,264	7,584	872	18,827	
Age		34	40	60	28	47	25	36	22	33	25	38	29	51	71	39	
Male %		74.1%	82.5%	50.0%	73.2%	61.9%	65.4%	77.7%	61.9%	75.2%	64.7%	64.9%	50.0%	43.6%	46.8%	50.8%	
IMD		5.4	5.2	5.3	4.9	5.8	5.2	5.5	5.4	5.3	5.4	5.5	5.4	5.5	5.2	5.4	
% BAME (where recorded)		21%	18%	0%	17%	15%	18%	12%	20%	15%	15%	11%	15%	10%	6%	13%	
Multimorbidity (acute & chronic)		0.0	1.4	7.0	0.0	1.5	0.0	1.4	0.0	1.4	0.0	1.3	0.0	1.8	6.4	1.1	
Finance and Activity Measures																	
Spend		Total	£0.0M	£0.0M	£0.0M	£0.0M	£0.0M	£0.0M	£0.0M	£0.0M	£0.1M	£0.0M	£2.6M	£6.5M	£3.1M	£12.5M	
PPPY - Total			£41	£170	£8,264	£4	£7	£13	£14	£36	£20	£53	£41	£415	£863	£3,573	£662
Acute Elective			£20	£151	£4,966	£1	£4	£2	£4	£13	£3	£19	£12	£157	£406	£1,269	£279
Acute Non-Elective			£21	£19	£3,298	£0	£0	£4	£2	£10	£4	£11	£5	£160	£282	£1,873	£256
GP Encounters			£0	£0	£0	£3	£3	£7	£7	£13	£14	£24	£24	£99	£176	£430	£127
Community			£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
Mental Health			£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
Social Care			£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
GP PPPY			0	0	0	1	1	3	2	4	5	8	8	34	60	145	43
Beddays PPPY - Acute EM			0	0	6	0	0	0	0	0	0	0	0	0	4	0	0
Physical Health																	
Diabetes			0.0%	12.7%	0.0%	0.0%	14.3%	0.0%	9.6%	0.0%	13.3%	0.0%	23.1%	0.0%	33.6%	59.7%	17.0%
COPD			0.0%	1.6%	75.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	2.2%	32.7%	2.4%	
Chronic Respiratory Dis...			0.0%	4.8%	75.0%	0.0%	0.0%	0.0%	3.2%	0.0%	1.9%	0.0%	2.0%	0.0%	37.3%	3.3%	
Hypertension			0.0%	9.5%	50.0%	0.0%	23.8%	0.0%	10.6%	0.0%	8.6%	0.0%	5.6%	0.0%	29.0%	76.6%	15.5%
Obesity			1.7%	6.3%	25.0%	0.7%	38.1%	1.9%	16.0%	3.2%	19.0%	5.3%	29.2%	11.9%	47.0%	61.8%	27.4%
Mental Health																	
Anxiety/Phobias			0.0%	17.5%	50.0%	0.0%	23.8%	0.0%	24.5%	0.0%	21.0%	0.0%	21.3%	0.0%	21.4%	36.6%	11.1%
Depression			0.0%	25.4%	50.0%	0.0%	47.6%	0.0%	31.9%	0.0%	19.0%	0.0%	22.5%	0.0%	26.8%	41.7%	13.7%
Learning Disability			0.0%	0.0%	25.0%	0.0%	0.0%	0.0%	1.1%	0.0%	1.0%	0.0%	2.0%	0.0%	1.7%	3.3%	0.9%
Dementia			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	1.1%	12.8%	1.0%	
Other Characteristics																	
Housebound (eFI)			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.4%	3.7%	0.3%	
Social Vulnerability (eFI)			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.2%	1.0%	0.2%	0.3%	2.3%	11.7%	1.6%	
History of Smoking (Tw...			2.9%	6.3%	0.0%	9.4%	19.0%	6.5%	13.8%	4.4%	13.3%	6.3%	10.3%	7.9%	12.1%	14.8%	9.6%
Not Fit for Work (In Year)			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	0.0%	0.1%	0.4%	4.0%	8.4%	5.3%	5.0%
On a Waiting List			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Whilst the previous GP activity matrix was to investigate HIUs, this matrix has split out the GP activity by order of complexity; another method of looking at distinct patient volumes coming into the PCN which may be managed in a different way.

Matrix Data - Health Segment & Deprivation

Life Course Segment		1 - Healthy				2 - Living With Illness				3 - Lower Complexity				4 - Advanced Disease & Complexity				5 - EoL, Frailty & Dementia				Grand Total
Deprivation		Low Deprivation	Middle Deprivation	High Deprivation	Not known	Low Deprivation	Middle Deprivation	High Deprivation	Not known	Low Deprivation	Middle Deprivation	High Deprivation	Not known	Low Deprivation	Middle Deprivation	High Deprivation	Not known	Low Deprivation	Middle Deprivation	High Deprivation	Not known	
Overall Population Measures																						
Population		607	5,227	728	557	471	3,546	454	301	354	2,790	323	209	195	1,999	247	113	42	594	52	18	18,827
Age		26	22	22	23	43	42	40	41	52	50	46	45	58	56	55	49	75	76	70	73	39
Male %		59.8%	57.1%	57.4%	60.1%	53.7%	53.3%	55.3%	53.5%	45.5%	45.1%	48.3%	44.0%	36.9%	38.8%	41.7%	33.6%	38.1%	35.7%	48.1%	33.3%	50.8%
IMD		9.0	5.4	2.7		9.0	5.4	2.7		9.0	5.3	2.7		9.1	5.3	2.7		9.1	5.1	2.6		5.4
% BAME (where recorded)		12%	17%	20%	14%	7%	14%	16%	17%	6%	10%	14%	7%	7%	8%	6%	7%	5%	6%	8%	6%	13%
Multimorbidity (acute & chronic)		0.0	0.0	0.0	0.0	0.7	0.7	0.6	0.6	2.0	2.0	1.9	1.8	2.3	2.6	2.7	1.9	5.1	5.2	5.0	4.3	1.1
Finance and Activity Measures																						
Spend	Total	£0.1M	£1.2M	£0.2M	£0.1M	£0.2M	£1.6M	£0.2M	£0.1M	£0.2M	£2.1M	£0.3M	£0.1M	£0.3M	£2.7M	£0.3M	£0.1M	£0.2M	£2.0M	£0.3M	£0.0M	£12.5M
	PPPY - Total	£243	£225	£229	£262	£514	£464	£452	£493	£597	£736	£781	£622	£1,309	£1,358	£1,348	£920	£3,843	£3,420	£5,668	£2,676	£662
	Acute Elective	£95	£79	£67	£94	£251	£208	£164	£197	£279	£356	£342	£351	£717	£609	£612	£418	£1,668	£1,113	£2,275	£786	£279
	Acute Non-Elective	£88	£87	£103	£103	£151	£155	£188	£193	£161	£221	£281	£133	£363	£519	£516	£303	£1,782	£1,864	£2,863	£1,542	£256
	GP Encounters	£61	£60	£58	£64	£112	£101	£100	£102	£157	£160	£159	£139	£229	£230	£220	£199	£393	£443	£531	£348	£127
	Community	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
	Mental Health	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
	Social Care	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0	£0
	GP PPPY	21	20	20	22	39	35	35	35	55	54	54	47	79	78	75	67	135	147	176	111	43
	Beddays PPPY - Acute EM	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	4	4	6	2	0
Physical Health																						
Diabetes		0.0%	0.0%	0.0%	0.0%	20.4%	15.0%	12.3%	10.6%	35.0%	33.0%	28.8%	31.1%	35.9%	37.7%	33.2%	25.7%	50.0%	50.0%	53.8%	55.6%	17.0%
COPD		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	1.7%	1.5%	1.0%	5.1%	10.6%	13.8%	2.7%	14.3%	20.4%	21.2%	5.6%	2.4%
Chronic Respiratory Dis...		0.0%	0.0%	0.0%	0.0%	0.8%	1.4%	1.5%	0.3%	2.0%	2.8%	3.1%	2.9%	5.6%	12.1%	15.0%	4.4%	21.4%	23.6%	21.2%	11.1%	3.3%
Hypertension		0.0%	0.0%	0.0%	0.0%	11.0%	9.6%	7.5%	9.0%	27.7%	28.4%	20.7%	16.3%	36.4%	37.8%	37.7%	28.3%	61.9%	76.1%	65.4%	77.8%	15.5%
Obesity		0.0%	0.0%	0.0%	0.0%	43.3%	37.4%	32.4%	39.5%	46.3%	46.1%	42.1%	40.7%	49.7%	52.0%	51.0%	40.7%	47.6%	54.7%	50.0%	50.0%	27.4%
Mental Health																						
Anxiety/Phobias		0.0%	0.0%	0.0%	0.0%	4.0%	6.7%	5.1%	3.7%	24.0%	27.9%	28.8%	30.1%	21.5%	24.5%	27.9%	19.5%	26.2%	22.6%	28.8%	27.8%	11.1%
Depression		0.0%	0.0%	0.0%	0.0%	4.9%	8.8%	4.4%	9.3%	31.9%	32.8%	36.8%	31.1%	25.6%	30.4%	37.2%	30.1%	19.0%	28.5%	32.7%	16.7%	13.7%
Learning Disability		0.0%	0.0%	0.0%	0.0%	0.4%	0.2%	0.4%	0.3%	2.8%	1.6%	3.4%	1.0%	1.5%	2.8%	3.6%	2.7%	2.4%	2.2%	1.9%	0.0%	0.9%
Dementia		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%	2.4%	3.2%	0.9%	23.8%	18.9%	13.5%	22.2%	1.0%
Other Characteristics																						
Housebound (eFI)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.4%	0.0%	9.5%	6.9%	9.6%	0.0%	0.3%
Social Vulnerability (eFI)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	2.3%	3.4%	1.4%	0.5%	3.8%	4.9%	2.7%	4.8%	19.0%	19.2%	22.2%	1.6%
History of Smoking (Tw...		0.0%	0.0%	0.0%	0.0%	13.8%	18.9%	24.4%	15.9%	7.6%	12.7%	13.9%	13.4%	9.2%	15.2%	20.2%	15.9%	2.4%	10.4%	17.3%	22.2%	9.6%
Not Fit for Work (In Year)		0.0%	0.0%	0.0%	0.0%	7.2%	8.0%	8.1%	8.6%	6.2%	8.4%	9.3%	5.3%	7.7%	9.6%	12.1%	12.4%	7.1%	1.5%	9.6%	0.0%	5.0%
On a Waiting List		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Deprivation is an important marker for a variety of issues and not just in health, and this matrix has taken the PCN's population split them by health segment, and then further by high, middle, or low deprivation groupings - this may further allows the PCNs to target that selected cohort of individuals to find where the determinants may be, and where a targeted approach from local partners, could be directed.

Matrix Data - Practice & Deprivation

Practice		Chells Surgery				The Symonds Green Health Centre				Grand Total
Deprivation		Low Deprivation	Middle Deprivation	High Deprivation	Not known	Low Deprivation	Middle Deprivation	High Deprivation	Not known	
Overall Population Measures										
Population		1,387	10,700	1,417	907	282	3,456	387	291	18,827
Age		42	40	37	34	39	39	37	38	39
Male %		51.5%	50.4%	52.6%	52.3%	53.5%	49.9%	53.7%	54.3%	50.8%
IMD		9.0	5.4	2.7		9.1	5.1	2.7		5.4
% BAME (where recorded)		8%	13%	17%	14%	12%	12%	10%	9%	13%
Multimorbidity (acute & chronic)		1.0	1.2	1.0	0.7	0.9	1.1	1.0	0.9	1.1
Finance and Activity Measures										
Spend	Total	£0.9M	£7.3M	£1.0M	£0.5M	£0.1M	£2.3M	£0.3M	£0.1M	£12.5M
	PPPY - Total	£639	£683	£682	£523	£469	£669	£736	£350	£662
	Acute Elective	£304	£286	£289	£228	£223	£276	£244	£137	£279
	Acute Non-Elective	£210	£266	£271	£190	£127	£264	£370	£114	£256
	GP Encounters	£125	£130	£123	£105	£119	£129	£122	£99	£127
	Community	£0	£0	£0	£0	£0	£0	£0	£0	£0
	Mental Health	£0	£0	£0	£0	£0	£0	£0	£0	£0
	Social Care	£0	£0	£0	£0	£0	£0	£0	£0	£0
	GP PPPY	45	47	44	38	32	35	33	27	43
	Beddays PPPY - Acute EM	0	0	0	0	0	0	0	0	0
Physical Health										
Diabetes		19.7%	19.4%	15.4%	12.1%	13.5%	12.5%	10.6%	8.9%	17.0%
COPD		1.2%	2.6%	2.5%	0.4%	1.8%	2.8%	3.9%	0.7%	2.4%
Chronic Respiratory Dis...		1.7%	3.6%	3.2%	1.3%	2.8%	3.7%	4.9%	0.7%	3.3%
Hypertension		14.6%	16.1%	12.4%	7.9%	16.0%	17.7%	13.4%	12.0%	15.5%
Obesity		31.2%	31.0%	26.3%	22.6%	18.4%	19.1%	16.3%	18.6%	27.4%
Mental Health										
Anxiety/Phobias		9.3%	10.9%	10.8%	6.7%	9.9%	13.7%	12.1%	13.7%	11.1%
Depression		12.3%	13.9%	13.1%	8.8%	8.5%	15.0%	16.3%	17.2%	13.7%
Learning Disability		0.7%	0.8%	1.1%	0.6%	2.1%	1.1%	2.1%	0.3%	0.9%
Dementia		1.1%	1.1%	0.8%	0.3%	1.1%	1.2%	1.0%	0.7%	1.0%
Other Characteristics										
Housebound (eFI)		0.1%	0.1%	0.0%	0.0%	0.7%	1.4%	1.6%	0.0%	0.3%
Social Vulnerability (eFI)		0.2%	1.2%	1.6%	0.2%	1.4%	3.5%	2.6%	2.7%	1.6%
History of Smoking (Tw...		6.4%	9.1%	10.7%	7.5%	7.8%	12.0%	16.3%	10.3%	9.6%
Not Fit for Work (In Year)		5.0%	6.1%	6.6%	5.1%	1.8%	1.8%	2.3%	1.7%	5.0%
On a Waiting List		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

This detailed table is offering actionable insight across the PCN's population for each Practice and where their populations are in terms of a High, Medium, or Low deprivation ranking; deprivation is levied from the IMD 2019 scoring per LSOA, and is applied for every individual registered within the PCN's borders.

Bubble Matrix - Conditions

x% also have



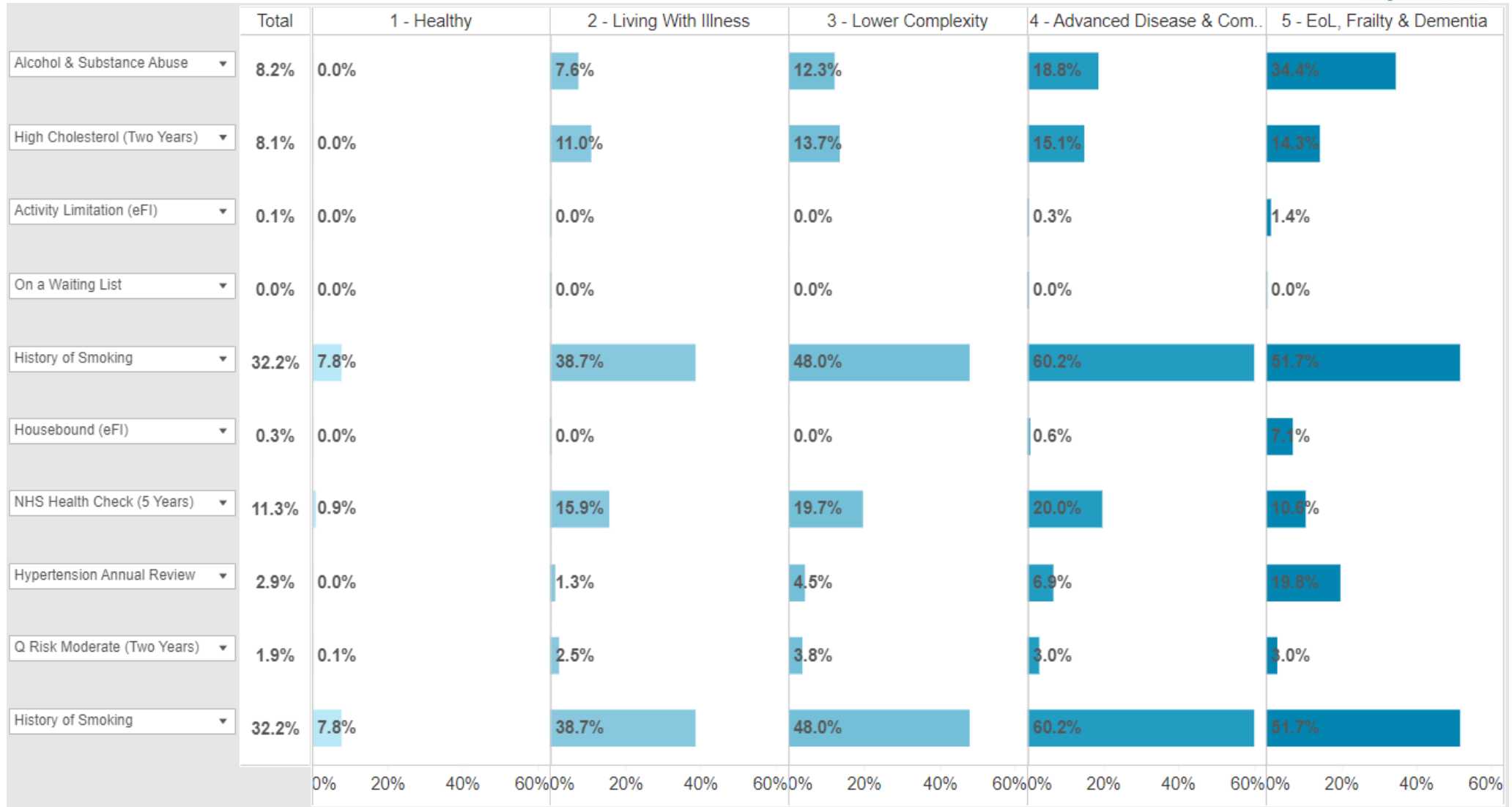
For people with this condition



Initial Condition	Other Conditions												
	Alzheimers Disease	Asthma	COPD	Heart Failure	Anxiety	Autism Spectrum Disorder	Dementia	Alcohol Abuse	ABCD Prescription	Anti-Depressive Prescription	Activity Limitation (eFI)	Housebound (eFI)	No Other Condition
Alzheimers Disease		16%	18%	10%	23%	2%	94%	1%	57%	51%	1%	10%	3%
Asthma	1%		7%	2%	19%	2%	1%	3%	20%	24%	0%	0%	44%
COPD	5%	38%		12%	25%	1%	7%	8%	58%	35%	3%	2%	0%
Heart Failure	5%	20%	26%		14%	1%	10%	6%	89%	25%	1%	5%	0%
Anxiety	1%	21%	6%	1%		2%	2%	6%	23%	49%	0%	0%	18%
Autism Spectrum Disorder	1%	19%	1%	1%	16%		2%	3%	5%	17%	0%	4%	39%
Dementia	55%	16%	16%	11%	18%	3%		2%	59%	48%	1%	14%	5%
Alcohol Abuse	0%	21%	10%	4%	32%	2%	1%		30%	33%	1%	1%	25%
ABCD Prescription	2%	16%	9%	7%	16%	0%	4%	4%		24%	0%	1%	22%
Anti-Depressive Prescription	2%	21%	6%	2%	39%	1%	4%	5%	27%		0%	1%	23%
Activity Limitation (eFI)	6%	28%	67%	17%	33%	0%	6%	11%	67%	39%		6%	6%
Housebound (eFI)	18%	12%	15%	18%	15%	14%	42%	3%	55%	43%	2%		9%

When targeting specific conditions to look into, a simple Bubble matrix helps us understand that a single condition will rarely be occurring by itself; this chart then highlights the PCN's linked conditions and breaks down the common diseases linked together in the PCN.

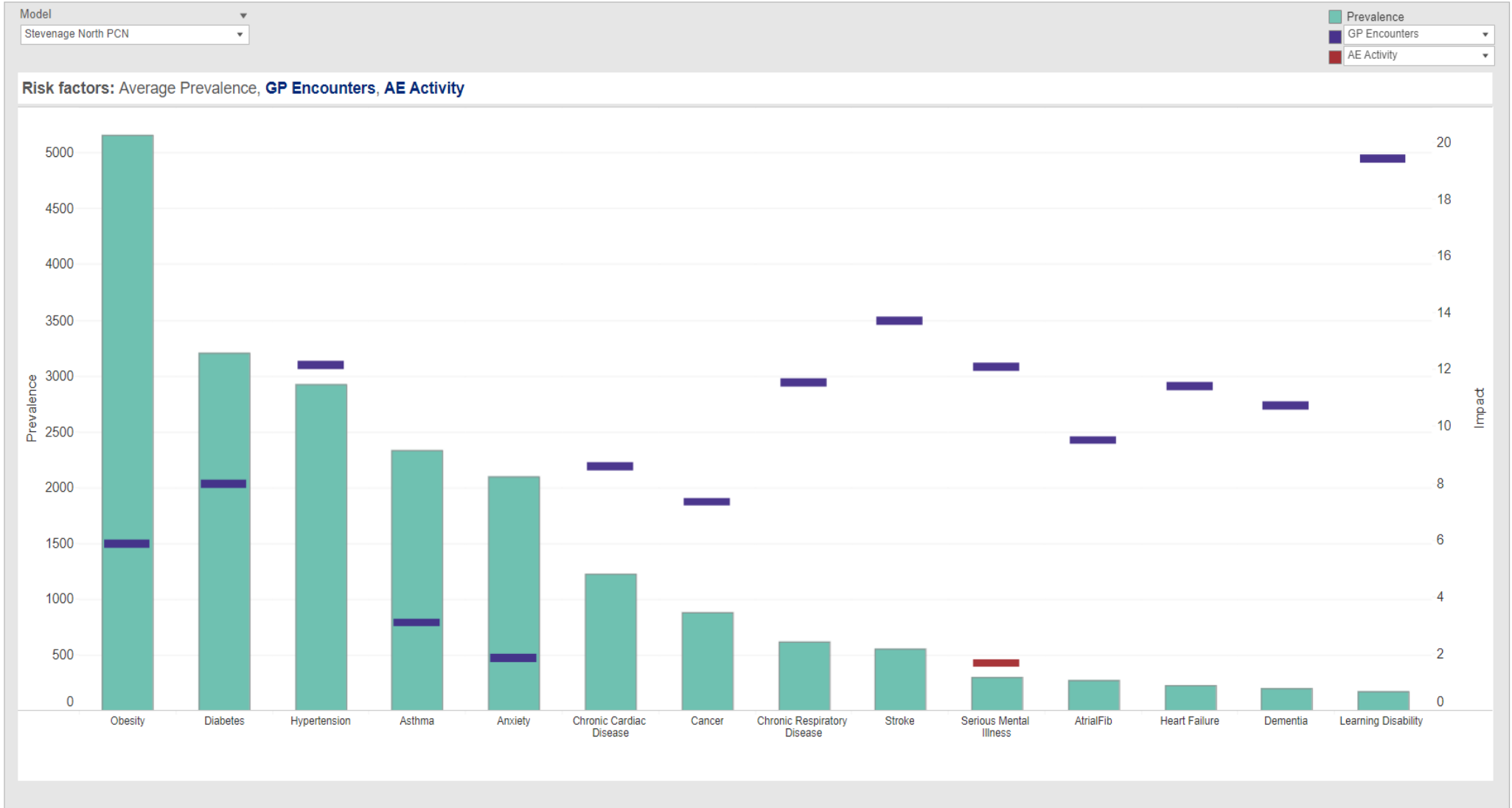
Bio-Psycho-Social Indicators - Example



This chart gives a comparison across various selected risk conditions or characteristics, within the health segments of the PCN's population.

Here we have selected a few characteristics within the PCN's data as an example, within each segment the percentage with that risk condition is highlighted proportionately by the shaded bars in the chart.

Risk Modelling - Prevalence against GP Activity & A&E



This Risk Model looks at the PCN's prevalence for major conditions, and this chart illustrates the number of people with certain risk factors, and also shows the impact on service utilisation, that these factors have. The height of each bar for each risk factor, shows the number of people who meet that criteria, as shown on the left hand axis; the horizontal lines relate to the correlation of a risk factor and an increase in impact on the selected target, shown on the right hand axis.



Cancer Screening

Period	HERTFORDSHIRE AND WEST ESSEX	STEVENAGE NORTH PCN	STAMMORRE MEDICAL GROUP	CHELLS SURGERY	THE SYMONDS GREEN HEALTH CENTRE
Women, aged 25-49, with a record of cervical screening in the last 3.5 yrs (denominator includes PCAs)	73.3	72.4	71	76.4	71.2
Women, aged 50-64, with a record of cervical screening in the last 5.5 yrs (denominator includes PCAs)	78.2	77.1	77.1	76.7	78.4
Persons, 25-49, attending cervical screening within target period (3.5 year coverage, %)	73	71.5	70.2	75.2	70.8
Persons, 50-64, attending cervical screening within target period (5.5 year coverage, %)	77	75.4	75.1	76.3	75.2
Persons, 50-70, screened for breast cancer in last 36 months (3 year coverage, %)	63.9	51.1	42.8	68.2	59.3
Persons, 50-70, screened for breast cancer within 6 months of invitation (Uptake, %)	61.3	54.4	53.1	45.5	62.6
Persons, 60-74, screened for bowel cancer within 6 months of invitation (Uptake, %)	72.1	71.4	72.4	70.1	67.9
Persons, 60-74, screened for bowel cancer in last 30 months (2.5 year coverage, %)	68.8	67.5	68.3	67.1	63.8

■ Similar
 ■ Significantly Worse
 ■ Significantly Better

PH.Intelligence@hertfordshire.gov.uk







Mortality

	Period	Hertfordshire CCGs	NHS HERTFORDSHIRE AND WEST ESSEX ICB - 06K	STEVENAGE NORTH PCN
Percentage of deaths that occur at home (All age)	2021	25.3	26.8	19.2
PYLL - Neoplasms	2021	505	509.8	518.4
PYLL - Diseases of the circulatory system	2021	737.5	782.8	616.2
PYLL - All Cause	2021	1537.7	1574	1329.3
Premature Mortality - Respiratory Disease	2021	19.2	19.5	
Premature Mortality - Liver Disease	2021	14.6	14.6	
Premature Mortality - Cardiovascular Disease	2021	53.8	56.1	44.6
Premature Mortality - Cancer	2021	98.5	99.9	109.8
Premature Mortality - All Cause	2021	269.6	276.1	238.7

■ Similar
 ■ Significantly Worse
 ■ Significantly Better

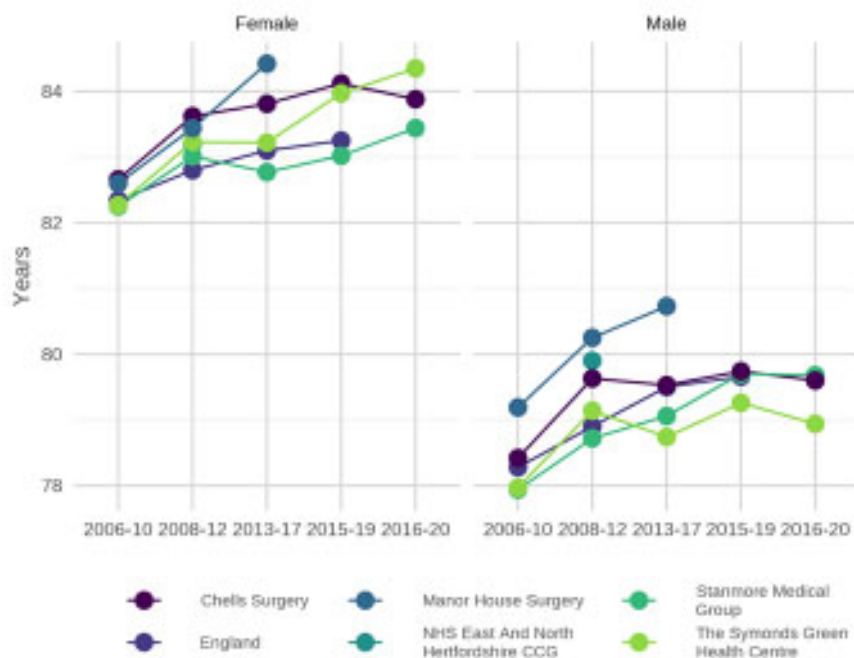
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Hertfordshire Public Health
Evidence & Intelligence
Epidemiology

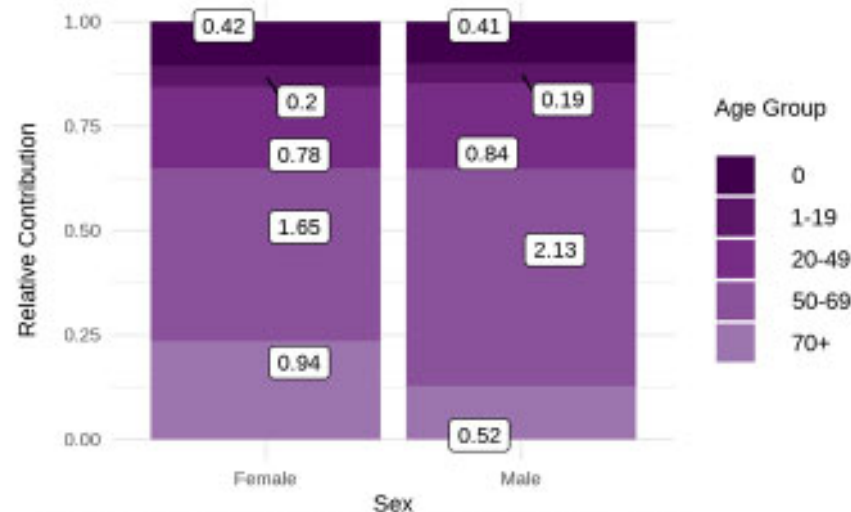




Life Expectancy



Contribution of different age bands to the gap between the most and least deprived areas within Stevenage



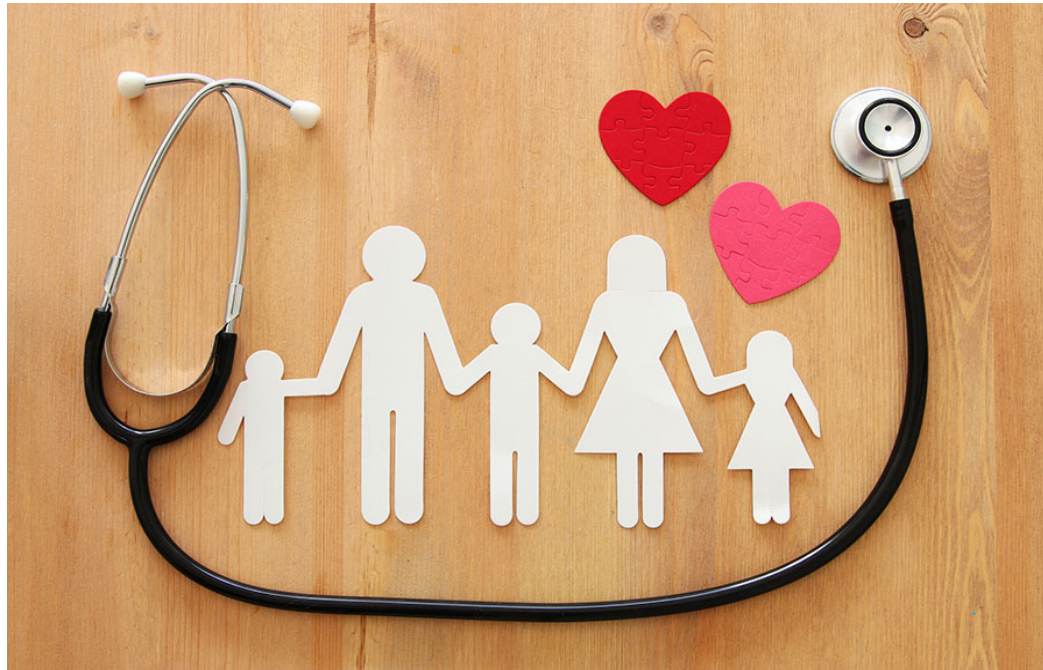
Labels inside bar indicate contribution to the life expectancy gap in years for each age group. This can be used to target interventions at age groups with the biggest inequality in life expectancy. The gap in life expectancy at birth for females is 3.99 years and for males is 4.09 years.



Hertfordshire and
West Essex Integrated
Care System



Hertfordshire and
West Essex
Integrated Care Board



Working together
for a healthier future