



System P

Community and Mental Health Services



Complex Lives Patient Cohort: Cheshire and Merseyside ICS

A preventative, predictive, precise approach to population, patient and person in a joined-up intelligence led system

Enabling us to programme equity, rather than tackle inequality

Welcome to System P

System P is the whole system approach to addressing multiagency, multisector challenges that negatively impact population health and will deliver transformational change in service provision through collaborative working.

System P is a Cheshire & Merseyside ICS funded programme, which commenced in September 2021. This initial phase will run through to the end of March 2023.

We have the opportunity to form virtual networks based on a common purpose rather than an oppositional view. In doing this we can change outcomes for individuals and communities.

System P uses the Bridges to Health segmentation methodology, which has been endorsed by NHS England. Segmentation aims to categorise the population according to health status, health care needs and priorities. This methodology identifies groups of people who share characteristics that influence the way they interact with health and care services.

Our initial focus in this first phase of System P, is around the Complex Lives and Frailty & Dementia segments. Insight packs will be available for all 9 Places across Cheshire & Merseyside for both segment areas.

Please do not hesitate to contact the Programme Director, Andrea Astbury or Project Support Officer, Shahina Rashid on the below email addresses, for further help and support:

Andrea.Astbury@liverpoolccg.nhs.uk Shahina.Rashid@nhs.net

Data Sharing Agreements

Population Health Data Sharing Agreements (DSAs) need to be signed by each GP practice to allow System P to access data for that practice area.

Those CCG areas which have a high percentage return of DSAs will produce reliable Insight Packs for the area. Conversely, those areas which have a low sign-up need to be interpreted with greater consideration and some caution.

The total return rate of signed DSAs as of 8 April 2022 for Cheshire & Merseyside ICS is 81%.

Practice Sign Up Liverpool

Practices with a signed Data Sharing Agreement

N82001	THE MARGARET THOMPSON MED CENTRE	N82065	EARLE ROAD MEDICAL CENTRE	N82110	LONG LANE
N82002	YEW TREE CENTRE	N82066	WOOLTON HOUSE MEDICAL CTR	N82113	FAIRFIELD MEDICAL CENTRE
N82003	DOVECOT HEALTH CENTRE	N82067	DR A GUPTA BENIM MEDICAL CENTRE	N82115	VAUXHALL HEALTH CENTRE
N82004	GARSTON FAMILY HEALTH CENTRE	N82070	THE ELMS MEDICAL CENTRE	N82116	HILLFOOT HEALTH
N82009	GRASSENDALE MEDICAL CENTRE	N82073	THE ASH SURGERY	N82117	BROWNLOW GROUP PRACTICE
N82011	PRIORY MEDICAL CENTRE	N82074	OLD SWAN HEALTH CENTRE	N82617	BROWNLOW AT MARYBONE
N82014	LANCE LANE MEDICAL CENTRE	N82076	BROWNLOW HEALTH @ PRINCES PARK	N82633	CALVARY HEALTH CENTRE
N82018	ELLERGREEN MEDICAL CENTRE	N82077	BOUSFIELD SURGERY - DR SHAH	N82641	SANDRINGHAM MEDICAL CENTRE
N82019	LANGBANK MEDICAL CENTRE	N82078	BOUSFIELD - ROBERTS	N82645	BROWNLOW HEALTH AT KENSINGTON
N82022	EDGE HILL HEALTH CENTRE	N82079	GREENBANK ROAD SURGERY	N82646	DR JUDE'S PRACTICE - RIVERSIDE
N82024	WEST DERBY MEDICAL CENTRE	N82081	ISLINGTON HOUSE MEDICAL CENTRE	N82648	POULTER ROAD MEDICAL CENTRE
N82026	PENNY LANE SURGERY	N82082	ST. JAMES' HEALTH CENTRE	N82650	SPEKE HC - DR SINGH & DR BICHA
N82033	DINGLE PARK PRACTICE	N82083	JUBILEE MEDICAL CENTRE	N82651	STANLEY MEDICAL CENTRE
N82034	THE VILLAGE SURGERY	N82084	GATEACRE BROW SURGERY	N82655	MOSS WAY
N82035	MATHER AVENUE SURGERY	N82086	ABINGDON FAMILY HEALTH CARE CENTRE	N82662	DUNSTAN VILLAGE GROUP PRACTICE
N82036	NETHERLEY HEALTH CENTRE	N82089	PICTON GREEN	N82663	HORNSPIT MEDICAL CENTRE
N82037	WESTMORELAND GP CENTRE	N82090	GREEN LANE MEDICAL CENTRE	N82664	ROCKY LANE MEDICAL CENTRE
N82039	STORRSDALE MEDICAL CENTRE	N82091	GP PRACTICE RIVERSIDE (DR JUDE)	N82668	WALTON VILLAGE MEDICAL CENTRE
N82041	OAK VALE MEDICAL CENTRE	N82092	THE VALLEY MEDICAL CENTRE	N82669	GREAT HOMER STREET MEDICAL CENTRE
N82046	SEFTON PARK MEDICAL CENTRE	N82093	DERBY LANE MEDICAL CENTRE	N82670	PARK VIEW
N82048	WALTON MEDICAL CENTRE	N82094	BELLE VALE HEALTH CENTRE	N82671	BIGHAM ROAD MEDICAL CENTRE
N82049	WESTMINSTER MEDICAL CENTRE	N82097	THE GREY ROAD SURGERY	N82676	FIR TREE
N82050	GATEACRE MEDICAL CENTRE	N82099	MERE LANE GROUP PRACTICE	N82678	STOPGATE LANE MEDICAL CTR
N82052	TOWNSEND MEDICAL CENTRE	N82101	KIRKDALE MEDICAL CENTRE	Y00110	WEST SPEKE HEALTH CENTRE
N82053	AINTREE PARK GROUP PRACTICE	N82103	ANFIELD GROUP PRACTICE		
N82054	ABERCROMBY FAMILY PRACTICE	N82104	STONECROFT MEDICAL CENTRE		
N82058	ROCK COURT SURGERY	N82106	THE VILLAGE MEDICAL CTR		
N82059	GREENBANK DRIVE SURGERY	N82107	EDGE HILL HEALTH @ MOSSLEY HILL SURGERY		
N82062	FULWOOD GREEN MEDICAL CTR	N82108	RUTHERFORD MEDICAL CENTRE		
		N82109	SPEKE HC - DR THAKUR		

Practices without a signed Data Sharing Agreement

Y03097	ROPEWALKS GEN. PRACTICE
Y03101	DEYSBROOK LANE M.C
N82087	GILLMOSS MEDICAL CENTRE
N82095	ALBION SURGERY

Practice Sign Up Cheshire

Practices with a signed Data Sharing Agreement

N81001 AUDLEM MEDICAL PRACTICE
N81002 KENMORE MEDICAL CENTRE
N81018 TARPORLEY HEALTH CENTRE
N81022 MIDDLEWOOD PARTNERSHIP
N81024 SWANLOW MEDICAL CENTRE
N81025 FIRDALE MEDICAL CENTRE
N81038 LAUREL BANK SURGERY
N81040 HIGH STREET PRACTICE WINSFORD
N81049 KNUTSFORD MEDICAL PARTNERSHIP
N81053 EARNSWOOD MEDICAL CENTRE
N81070 HANDFORTH HEALTH CENTRE
N81071 GREENMOSS MEDICAL CENTRE
N81077 THE HEALTH CENTRE (HOLMES CHAPEL)
N81082 CITY WALLS MEDICAL CENTRE
N81086 WILMSLOW HEALTH CENTRE
N81090 TUDOR SURGERY
N81100 UPTON VILLAGE SURGERY
N81111 MEREPARK MEDICAL CENTRE
N81113 MIDDLEWICH ROAD SURGERY
N81118 MEADOWSIDE MEDICAL CENTRE
N81624 THE VILLAGE SURGERIES GROUP
N81626 WESTERN AVE MEDICAL CTRE
N81632 BROKEN CROSS SURGERY

Practices without a signed Data Sharing Agreement

N81005 HELSBY HEALTH CENTRE
N81006 BUNBURY MEDICAL PRACTICE
N81008 THE CEDARS MEDICAL CENTRE
N81009 HEATH LANE MEDICAL CENTRE

N81010 NANTWICH HEALTH CENTRE
N81013 HIGH STREET SURGERY
N81016 MILLCROFT MEDICAL CENTRE
N81027 READESMOOR MEDICAL GROUP PRACTICE
N81029 SOUTH PARK SURGERY
N81030 PRINCEWAY SURGERIES
N81031 DRS ADEY AND DANCY
N81032 ASHFIELDS PRIMARY CARE CENTRE
N81033 ALDERLEY EDGE MEDICAL CENTRE
N81034 BOUGHTON MEDICAL GROUP
N81039 OAKLANDS
N81043 HASLINGTON SURGERY
N81044 HUNGERFORD MEDICAL CENTRE
N81046 PARK MEDICAL CENTRE
N81047 THE KILTEARN MEDICAL CTR.
N81050 GREAT SUTTON MEDICAL CENTRE
N81051 THE WEAVERHAM SURGERY
N81052 LAWTON HOUSE SURGERY
N81055 WATLING STREET SURGERY
N81060 NESTON SURGERY
N81061 WITTON STREET SURGERY
N81062 CUMBERLAND HOUSE SURGERY
N81063 YORK ROAD GROUP PRACTICE
N81067 OAKWOOD MEDICAL CENTRE
N81068 GROSVENOR MEDICAL CENTRE
N81069 CHELFORD SURGERY
N81074 LAUNCESTON CLOSE SURGERY
N81079 THE ELMS MEDICAL CENTRE
N81080 NORTHGATE MEDICAL CENTRE
N81081 GARDEN LANE MEDICAL CTR.

N81084 ROPE GREEN MEDICAL CENTRE
N81085 PARK LANE SURGERY
N81087 DANEBRIDGE MEDICAL CENTRE
N81088 PARK GREEN SURGERY
N81092 HOPE FARM MEDICAL CENTRE
N81093 WHITBY HEALTH PARTNERSHIP
N81101 THE HANDBRIDGE MED.CTR.
N81102 FOUNTAINS MEDICAL PRACTICE
N81115 LACHE HEALTH CENTRE
N81117 OLD HALL SURGERY
N81120 KELSALL MEDICAL CENTRE
N81121 NORTHGATE VILLAGE SURGERY
N81123 WILLOW WOOD SURGERY
N81125 NESTON MEDICAL CENTRE
N81127 THE WEAVER VALE SURGERY
N81607 WESTMINSTER SURGERY
N81614 THE SURGERY
N81642 WATERS EDGE MEDICAL CENTRE
N81655 ST WERBURGH'S MEDICAL PRACTICE HOMELESS
Y02045 VERNOVA HEALTHCARE CIC
Y04664 THE WILLASTON SURGERY
Y05750 DAVID LEWIS MEDICAL PRACTICE

Practice Sign Up Wirral

Practices with a signed Data Sharing Agreement

N85051 SUNLIGHT GROUP PRACTICE
N85052 GROVE RD SURGERY
N85054 KINGS LANE MEDICAL PRACTICE
N85057 TEEHEY LANE SURGERY
N85059 HOYLAKE & MEOLS MEDICAL CTR
N85616 LISCARD GROUP PRACTICE
N85617 SPITAL SURGERY
N85620 THE VILLAGE MEDICAL CENTRE
N85625 MIRIAM PRIMARY CARE GROUP
N85629 EGREMONT MED CTR
N85633 CHURCH ROAD MEDICAL PRACTICE
N85634 VITTORIA MED CTR K
N85640 LEASOWE MEDICAL PRACTICE
N85643 PRENTON MEDICAL CENTRE_MURUGESH V
N85648 BLACKHEATH MED CTR
N85002 MARINE LAKE MEDICAL PRACTICE
N85003 ALLPORT MEDICAL CENTRE
N85005 EASTHAM GROUP PRACTICE
N85006 CIVIC MEDICAL CENTRE
N85007 HESWALL & PENSBY GROUP PRACTICE
N85008 WEST WIRRAL GROUP PRACTICE
N85009 COMMONFIELD RD SURGERY
N85012 ST GEORGES MEDICAL CENTRE
N85013 UPTON GROUP PRACTICE
N85014 TOWNFIELD HEALTH CENTRE
N85015 DEVANEY MED CTR
N85016 RIVERSIDE SURGERY
N85017 CAVENDISH MEDICAL CENTRE
N85018 VILLA MED CTR

N85019 WHETSTONE LANE MED CTR
N85020 ST CATHERINES SURGERY
N85021 HAMILTON MED CTR
N85022 HOLMLANDS MED CTR
N85023 MANOR HEALTH CTR
N85024 SOMERVILLE MED CTR
N85025 ST HILARY GROUP PRACTICE
N85027 CENTRAL PARK MEDICAL CENTRE
N85028 MORETON CROSS GROUP PRACTICE
N85031 GLADSTONE MED CTR
N85032 GREASBY GROUP PRACTICE
N85037 HEATHERLANDS MED CTR
N85038 VITTORIA MED CTR G
N85040 MORETON HEALTH CLINIC
N85044 CLAUGHTON MEDICAL CENTRE
N85046 HOYLAKE RD MET CTR
N85047 ORCHARD SURGERY
N85048 MORETON MEDICAL CENTRE

Practices without a signed Data Sharing Agreement

None

Practice Sign Up Warrington

Practices with a signed Data Sharing Agreement

N81007 HOLES LANE MEDICAL CENTRE
N81012 GUARDIAN STREET MED/CTR
N81014 BROOKFIELD SURGERY
N81020 PENKETH HEALTH CENTRE
N81028 CAUSEWAY MEDICAL CENTRE
N81036 SPRINGFIELDS MEDICAL CENTRE
N81041 HELSBY STREET MED/CTR
N81048 FEARNHEAD CROSS MED.CTR.
N81056 FOLLY LANE MEDICAL CENTRE
N81059 CULCHETH MEDICAL CENTRE
N81065 LATCHFORD MEDICAL CENTRE
N81075 STOCKTON HEATH MED.CENTRE
N81083 PARKVIEW MEDICAL CENTRE
N81089 GREENBANK SURGERY
N81097 DALLAM LANE MEDICAL CENTRE
N81107 MANCHESTER ROAD SURGERY
N81108 THE LAKESIDE SURGERY
N81109 PADGATE MEDICAL CENTRE
N81114 BIRCHWOOD MEDICAL CENTRE
N81122 WESTBROOK MEDICAL CENTRE
N81623 STRETTON MEDICAL CENTRE
N81628 THE ERIC MOORE PARTNERSHIP
N81637 COCKHEDGE MEDICAL CENTRE
N81645 4 SEASONS MEDICAL CENTRE

Practices without a signed Data Sharing Agreement

Y04925 CHAPELFORD PRIMARY CARE CENTRE

Practice Sign Up St Helens

Practices with a signed Data Sharing Agreement

N83001 RAINBOW MEDICAL CENTRE
N83002 PATTERNDALE LODGE MED CTRE
N83005 VISTA ROAD SURGERY
N83006 PHOENIX MEDICAL CENTRE
N83007 LINGHOLME HEALTH CENTRE
N83008 BERRYMEAD FAMILY MED.CTR.
N83010 RAINHILL VILLAGE SURGERY
N83017 HALL STREET MEDICAL CENTRE
N83020 HAYDOCK MEDICAL CENTRE
N83021 FOUR ACRE HEALTH CENTRE
N83023 ATLAS MEDICAL PRACTICE
N83027 CENTRAL SURGERY
N83035 THE SPINNEY MEDICAL CTR.
N83041 RAINFORD HEALTH CENTRE
N83045 NEWTON MEDICAL CENTRE
N83050 THE BOWERY MEDICAL CENTRE
N83053 LONGTON MEDICAL CENTRE
N83054 BETHANY MEDICAL CENTRE
N83614 ECCLESTON MEDICAL CENTRE
N83620 WINDERMERE MEDICAL CENTRE
N83624 DR RAHIL'S SURGERY
N83628 NEWTON COMMUNITY HOSPITAL PRACTICE
N83635 THE CROSSROADS SURGERY
N83637 NEWHOLME SURGERY
Y02510 MARSHALLS CROSS MEDICAL CENTRE

N83019 BILLINGE MEDICAL PRACTICE
N83026 PARKFIELD SURGERY
N83049 KENNETH MACRAE MED CENTRE
N83060 HOLLY BANK SURGERY

Practices without a signed Data Sharing Agreement

N83003 ORMSKIRK HOUSE SURGERY
N83012 MILL STREET MEDICAL CTR.

Practice Sign Up Southport & Formby

Practices with a signed Data Sharing Agreement

N84005 CUMBERLAND HOUSE SURGERY
N84006 CHAPEL LANE SURGERY
N84008 NORWOOD SURGERY
N84012 AINSDALE MEDICAL CENTRE
N84013 CHRISTIANA HARTLEY MEDICAL PRACTICE
N84014 AINSDALE VILLAGE SURGERY
N84017 CHURCHTOWN MEDICAL CENTRE
N84018 THE VILLAGE SURGERY FORMBY
N84021 ST MARKS MEDICAL CENTRE (TCG MEDICAL)
N84024 GRANGE SURGERY
N84037 LINCOLN HOUSE SURGERY
N84613 THE CORNER SURGERY (DR MULLA)
N84614 THE MARSHSIDE SURGERY
N84617 KEW SURGERY
N84618 THE HOLLIES FAMILY SURGERY
N84625 THE FAMILY SURGERY

Practices without a signed Data Sharing Agreement

None

Practice Sign Up South Sefton

Practices with a signed Data Sharing Agreement

N84001 42 KINGSWAY
N84002 AINTREE ROAD MEDICAL CENTRE
N84003 HIGH PASTURES SURGERY
N84004 GLOVERS LANE SURGERY
N84007 LIVERPOOL RD MEDICAL PRACTICE
N84010 MAGHULL FAMILY SURGERY
N84015 BOOTLE VILLAGE SURGERY
N84016 MOORE STREET MEDICAL CENTRE
N84019 NORTH PARK HEALTH CENTRE
N84020 BLUNDELLSANDS SURGERY
N84023 BRIDGE ROAD MEDICAL CENTRE
N84025 WESTWAY MEDICAL CENTRE
N84026 CROSBY VILLAGE SURGERY
N84027 ORRELL PARK MEDICAL CENTRE
N84028 THE STRAND MEDICAL CENTRE
N84029 FORD MEDICAL PRACTICE
N84034 PARK STREET SURGERY
N84035 15 SEFTON ROAD
N84038 CONCEPT HOUSE SURGERY
N84041 KINGSWAY SURGERY
N84043 SEAFORTH VILLAGE SURGERY
N84605 LITHERLAND PRACTICE
N84615 RAWSON ROAD MEDICAL CENTRE
N84621 THORNTON SURGERY
N84626 HIGHTOWN VILLAGE SURGERY
N84627 CROSSWAYS PRACTICE
N84630 NETHERTON SURGERY
Y00446 MAGHULL PRACTICE

Practices without a signed Data Sharing Agreement

N84011 EASTVIEW SURGERY
Y02514 LITHERLAND PRIMARY CARE WALK-IN SERVICE

Practice Sign Up Halton

Practices with a signed Data Sharing Agreement

N81011 BEVAN GROUP PRACTICE
N81019 CASTLEFIELDS HEALTH CENTRE
N81035 FIR PARK MEDICAL CENTRE
N81037 THE BEECHES MEDICAL CTR
N81045 PEELHOUSE MEDICAL PLAZA
N81054 WEAVER VALE PRACTICE
N81057 TOWER HOUSE PRACTICE
N81064 NEWTOWN SURGERY
N81066 GROVE HOUSE PRACTICE
N81072 MURDISHAW
N81096 BROOKVALE PRACTICE
N81119 HOUGH GREEN HEALTH PARK
N81619 OAKS PLACE SURGERY
N81651 UPTON ROCKS PRIMARY CARE

Practices without a signed Data Sharing Agreement

None

Practice Sign Up Knowsley

Practices with a signed Data Sharing Agreement

N83009 WINGATE MEDICAL CENTRE
N83013 THE HEALTH CENTRE SURGERY
N83014 DINAS LANE MEDICAL CENTRE
N83015 BLUEBELL LANE SURGERY
N83018 STOCKBRIDGE VILLAGE HC
N83024 PARK HOUSE MEDICAL CENTRE
N83025 CORNERWAYS MEDICAL CENTRE
N83028 ASTON HEALTHCARE LIMITED
N83030 DR M SUARES' PRACTICE
N83031 ROSEHEATH SURGERY
N83032 MILLBROOK MEDICAL CENTRE
N83033 ST. LAURENCE'S MEDICAL CENTRE
N83043 LONGVIEW MEDICAL CENTRE
N83047 TARBOCK MEDICAL CENTRE
N83055 TRENTHAM MEDICAL CENTRE
N83601 THE MACMILLAN SURGERY
N83603 PRESCOT MEDICAL CENTRE
N83605 HOLLIES MEDICAL CENTRE
N83608 DR MAASSARANI & PARTNERS
N83609 CEDAR CROSS MEDICAL CENTRE
N83610 COLBY MEDICAL CENTRE
N83619 ROBY MEDICAL CENTRE
N83621 HILLSIDE HOUSE SURGERY
N83622 PRIMROSE MEDICAL PRACTICE
N83633 NUTGROVE VILLA SURGERY

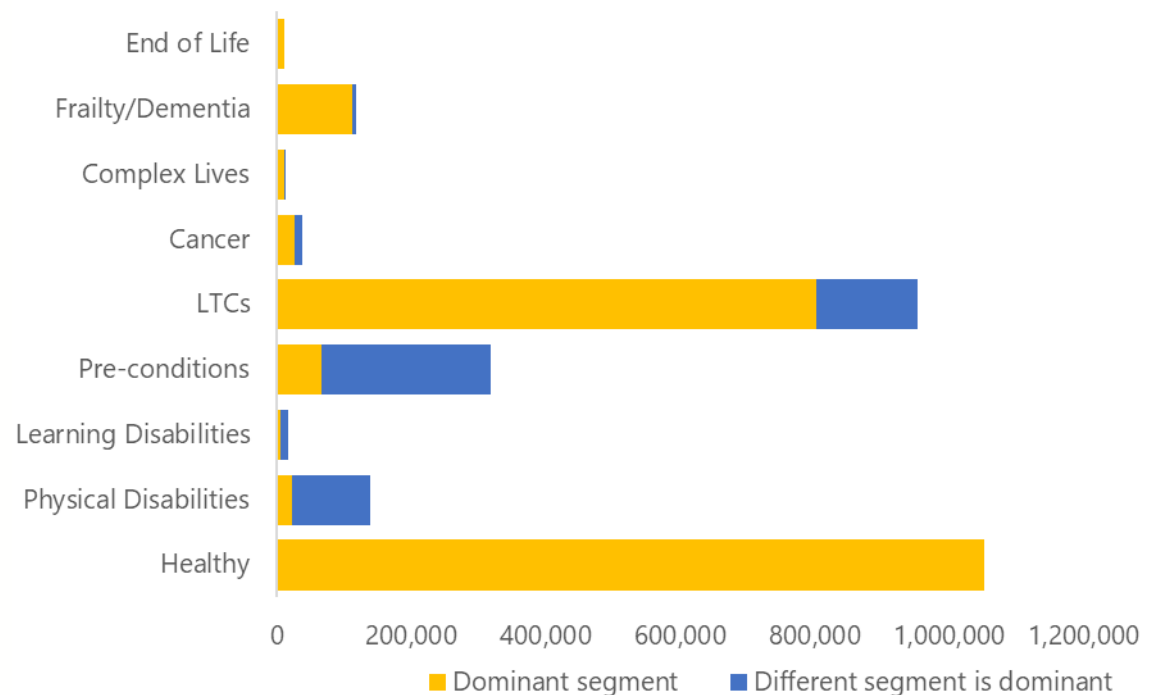
Practices without a signed Data Sharing Agreement

None

All Segments

Segmentation methodology comprises nine different segments. Individuals may belong to one segment or more, excepting the healthy group who by definition belong to that group alone. Where individuals belong to more than one segment it is possible to assign a dominant segment but in this analysis all people in Complex Lives are included, whether this is their dominant segment or not.

For the population (based on signed DSAs) the number of people in each segment is shown and is split by whether this is the dominant segment or not.



How are the Complex Lives segment defined

People are defined as belonging to the Complex Lives if they have:



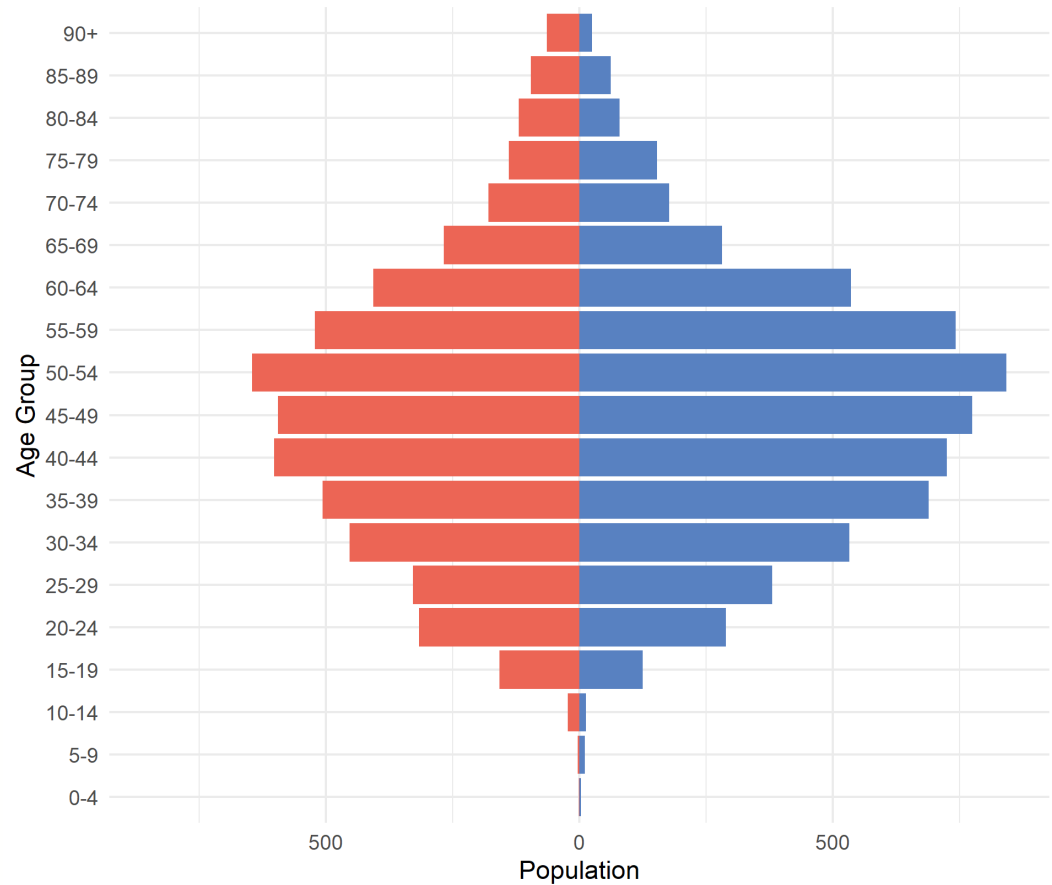
In Cheshire & Merseyside ICS 11,857 individuals (0.6% of the population) were identified as belonging to the Complex Lives segment. In this pack we describe the characteristics of people in this segment, before moving on to describe their other healthcare issues and how they use services.

Through existing data it is only possible to detect small amounts of those who have disclosed domestic abuse or who have a history of being looked after.

Patient Characteristics – Age and Gender

For the Complex Lives segment the mean average age of these patients is 48 (interquartile range from 36 to 58).

Gender splits within the segment are 54% male and 46% female.

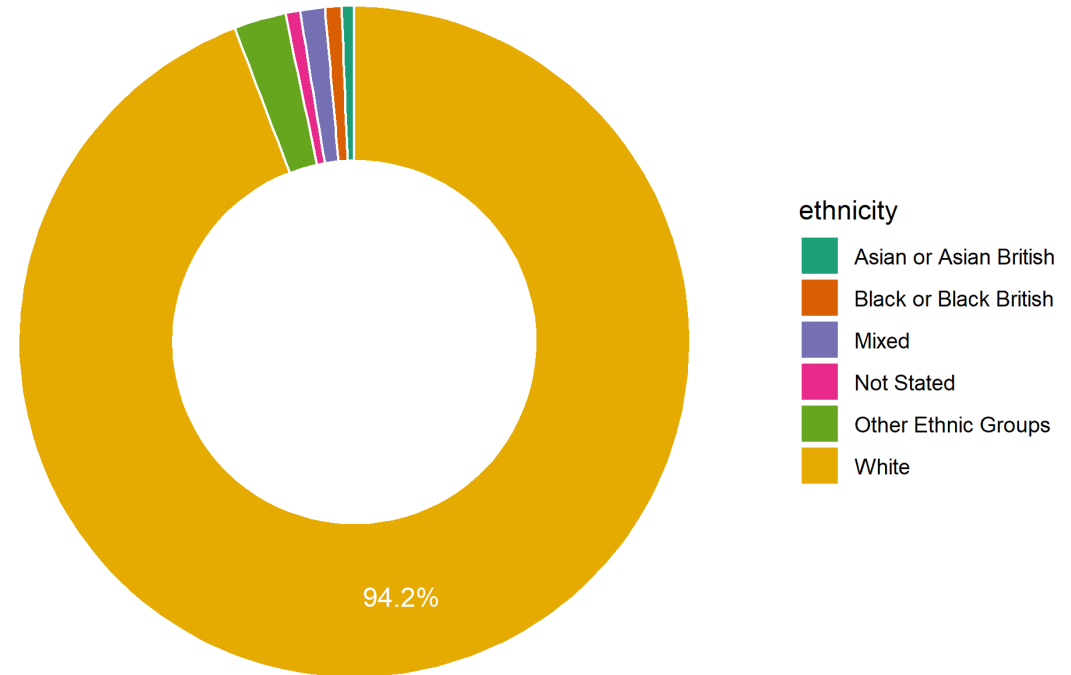


Patient Characteristics - Ethnicity

94% of people in the Complex Lives segment class their ethnicity as White.

The remaining 6% class themselves as one of the ethnic minority groups.

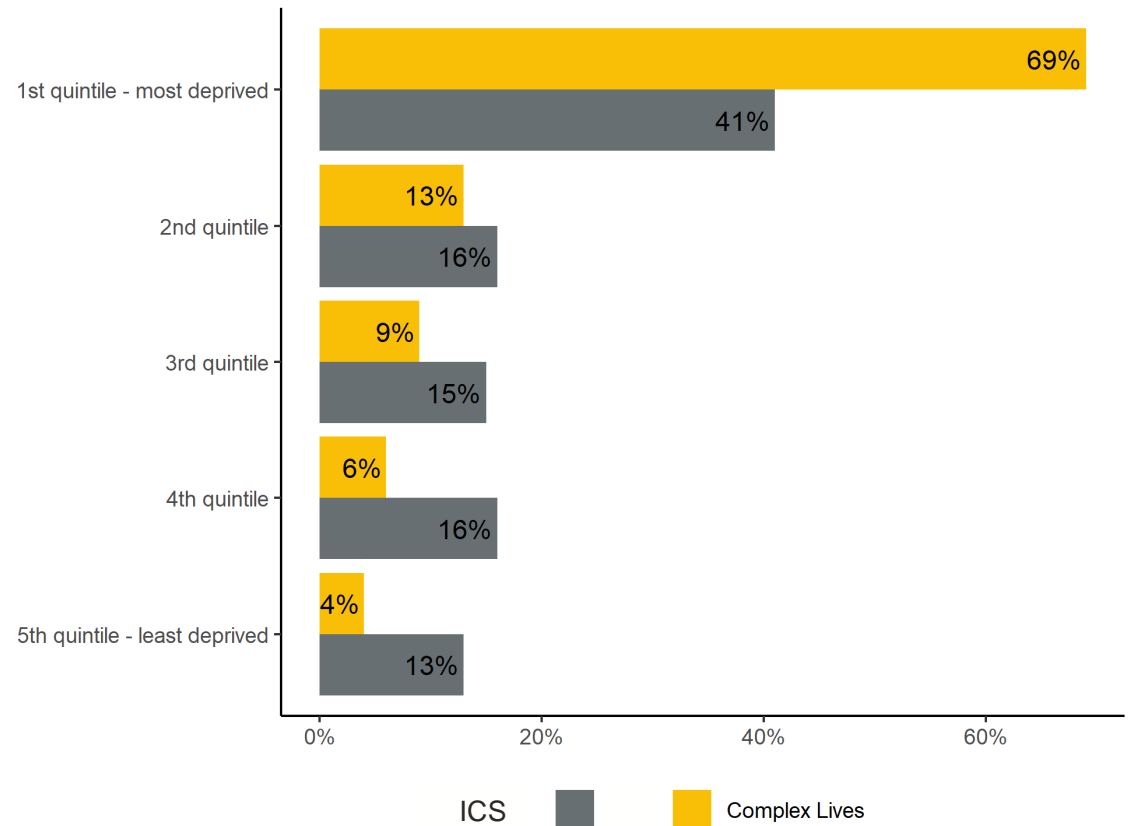
A small number did not state their ethnicity.



Patient Characteristics - Deprivation

Those with Complex Lives are more likely to reside in areas of higher deprivation. 69% of the segment live in the most deprived quintile.

Proportionately, this is 1.7 times the share of the CCG population living in the most deprived quintile.



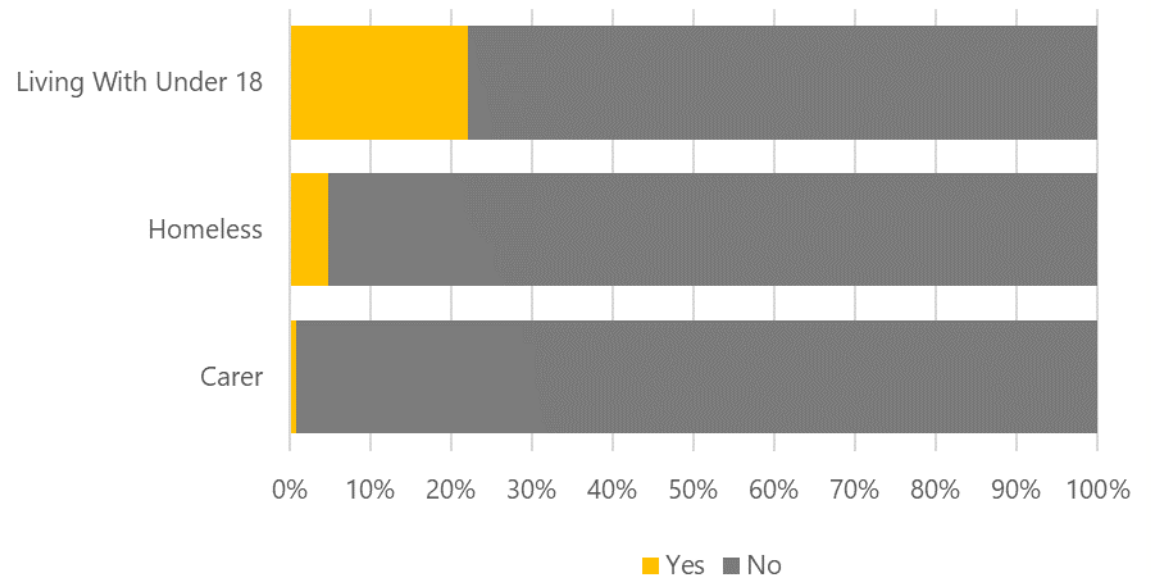
Patient Characteristics - Living Arrangements

Those in the Complex Lives segment are found to be living with, on average, 1.6 other people. Therefore, beyond the Complex Lives individuals already identified, an additional estimated 18,473 people are also affected by Complex Lives. A number of these will be children.

For the Complex Lives segment 2,424 people (22%) are identified as living in a household with someone under 18.

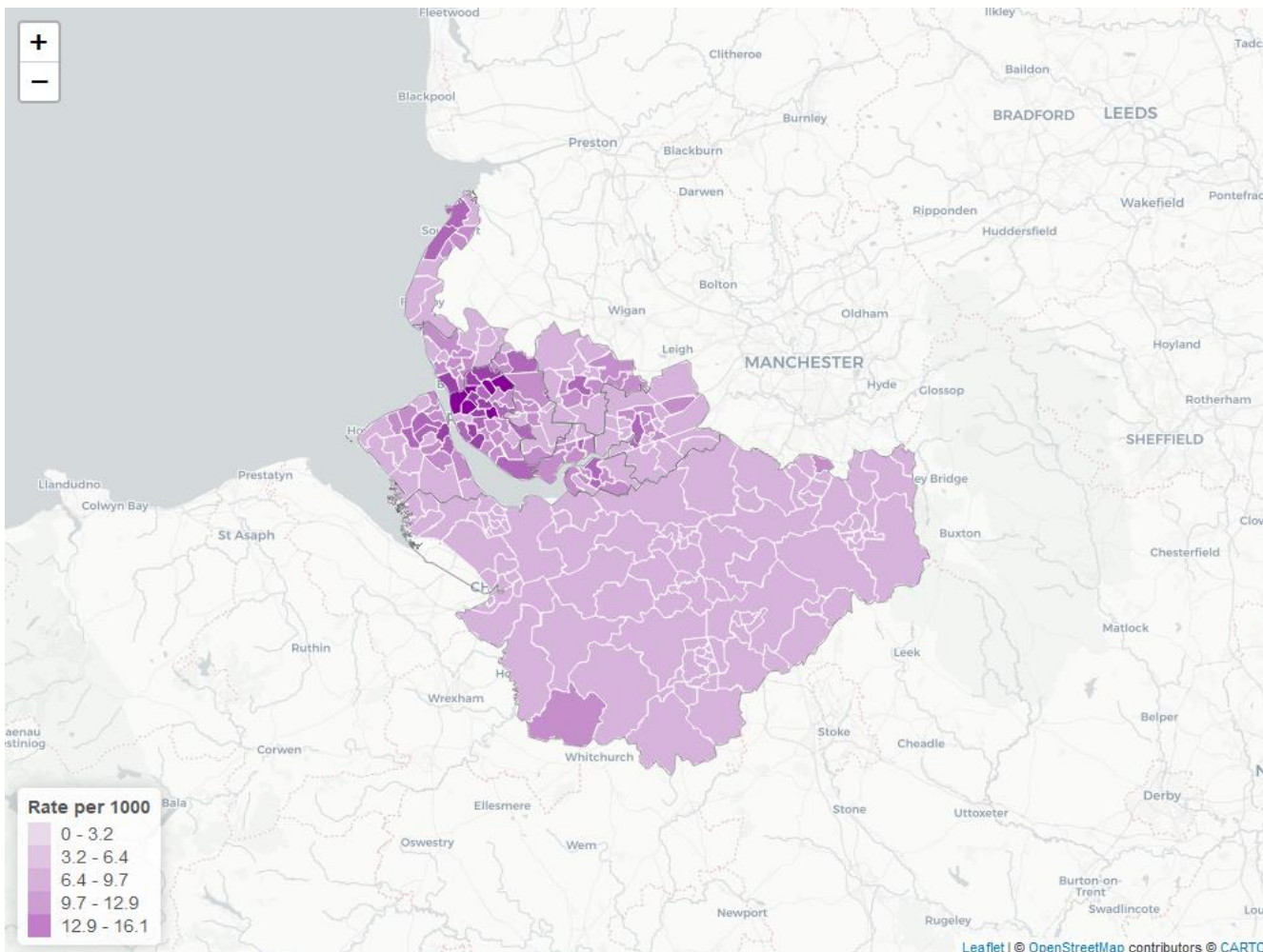
5% of the segment have experienced homelessness in the last 2 years and 1% have caring responsibilities.

44 people were found with a status of asylum seeker.



Patient Characteristics - Geography

The map shows, for wards within the ICS, The rate of Complex Lives individuals per 1,000 population.



Areas with some of the highest density for Complex Lives are:

- Norris Green (Liverpool)
- Everton (Liverpool)
- Kirkdale (Liverpool)

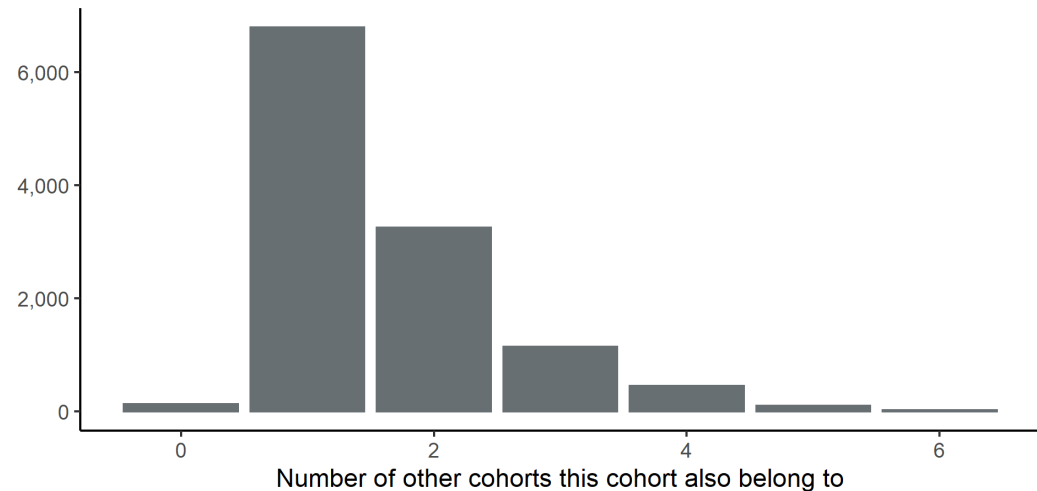
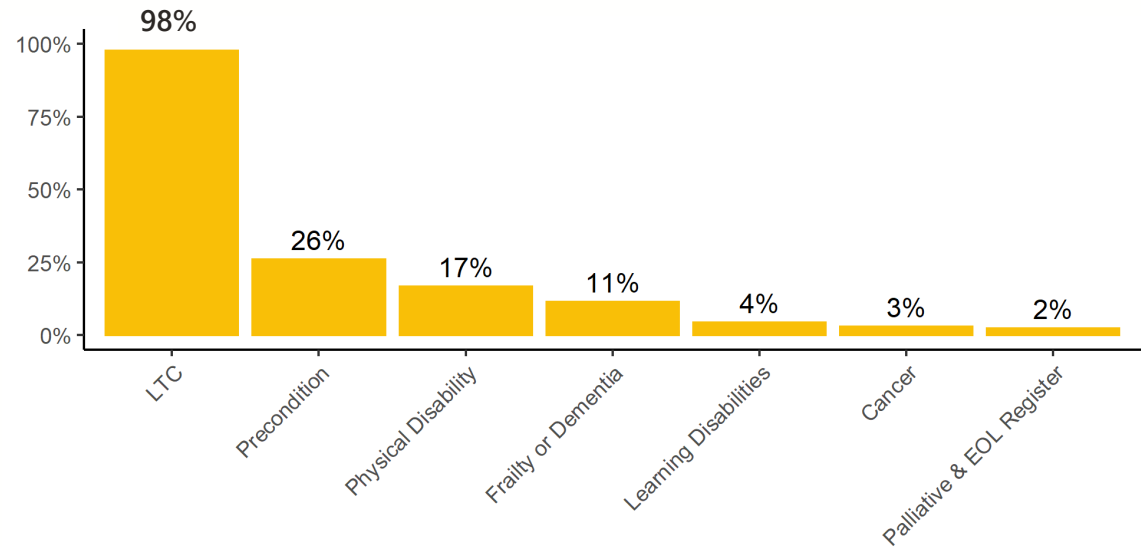
Due to the low sign up of practices in Cheshire CCG rates in this area will be artificially low.

Health Care Conditions - Other segments

Those in the Complex Lives segment also fall into other, sometimes multiple other, segments.

By considering individual segments it can be seen that a significant number in Complex Lives are also living with a Long term condition.

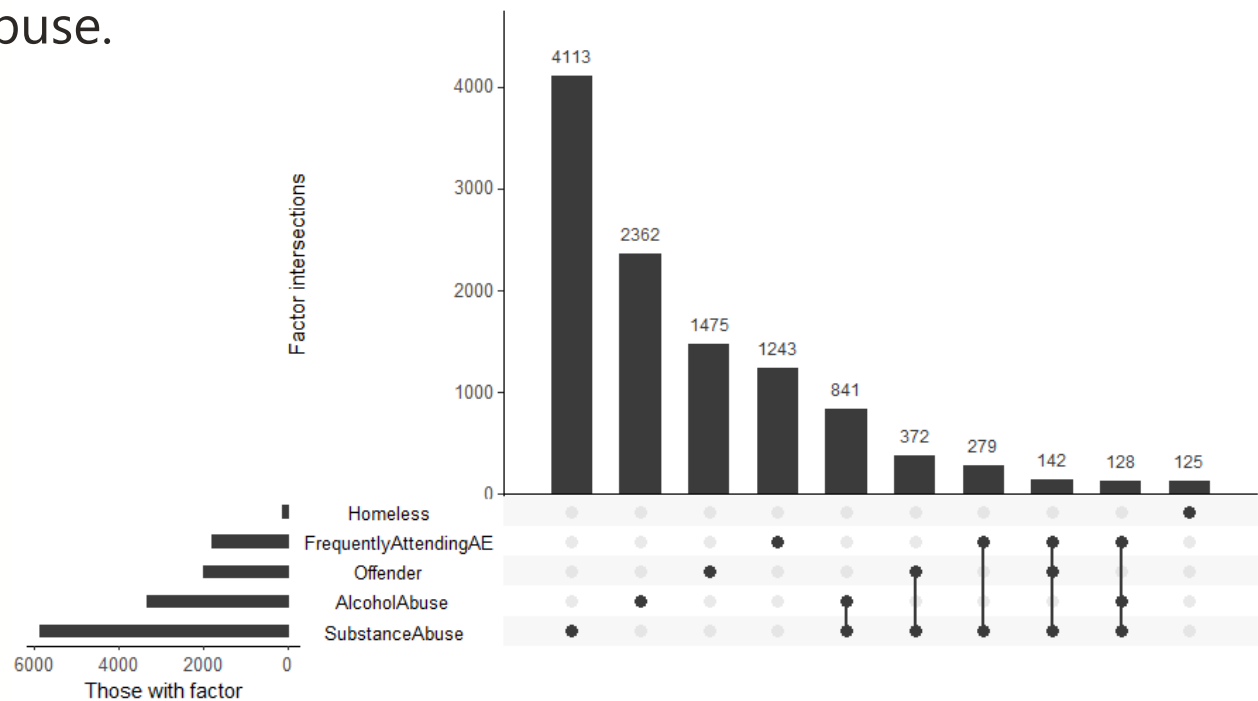
On average, those in the segment fall into an additional 1.6 segments.



Patient Characteristics - Factors

The definition for a individual to be assigned to the Complex Lives segment relates to certain factors about that person. For those in the Complex Lives segment the largest factor is substance abuse.

The 'Those with factor' bars represent all those in the segment with those factors. The 'Factor intersection' represents the combination of factors and the number of individuals with those combinations.

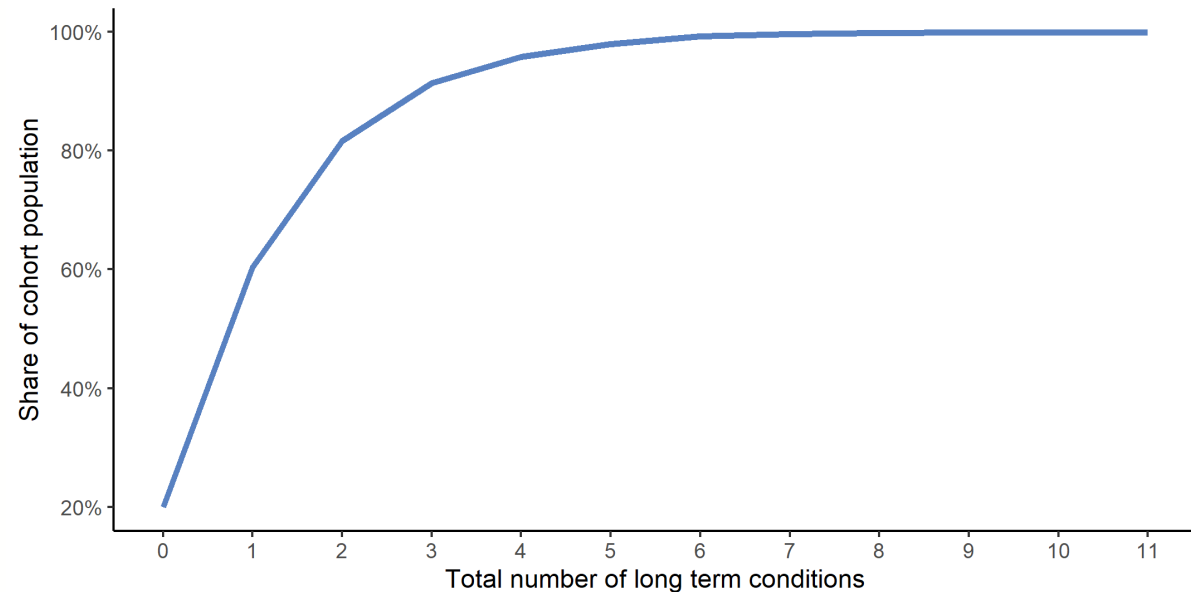


Although not a factor in assigning individuals to Complex Lives, there was interest in identifying those at risk of self harm. 5% of those in the segment were identified as being at risk of self harm. Compared to 0.2% in the total population.

Health Care Conditions of Interest

Complex Lives individuals will have a range of long term health issues. Specific long term conditions investigated here are:

- Asthma
- Chronic liver disease (CLD)
- Hypertension
- Chronic Obstructive Pulmonary Disease (COPD)
- Diabetes
- Epilepsy
- Coronary Vascular Disease (CVD)
- Chronic kidney disease (CKD)
- Stroke or Transient ischaemic attack (TIA)
- Gastroenterology conditions
- Atrial Fibrillation
- Heart Failure



On average, each individual in this segment has 1.6 of the specified long term health conditions. Nearly a fifth of the segment do not have one of the LTCs at all.

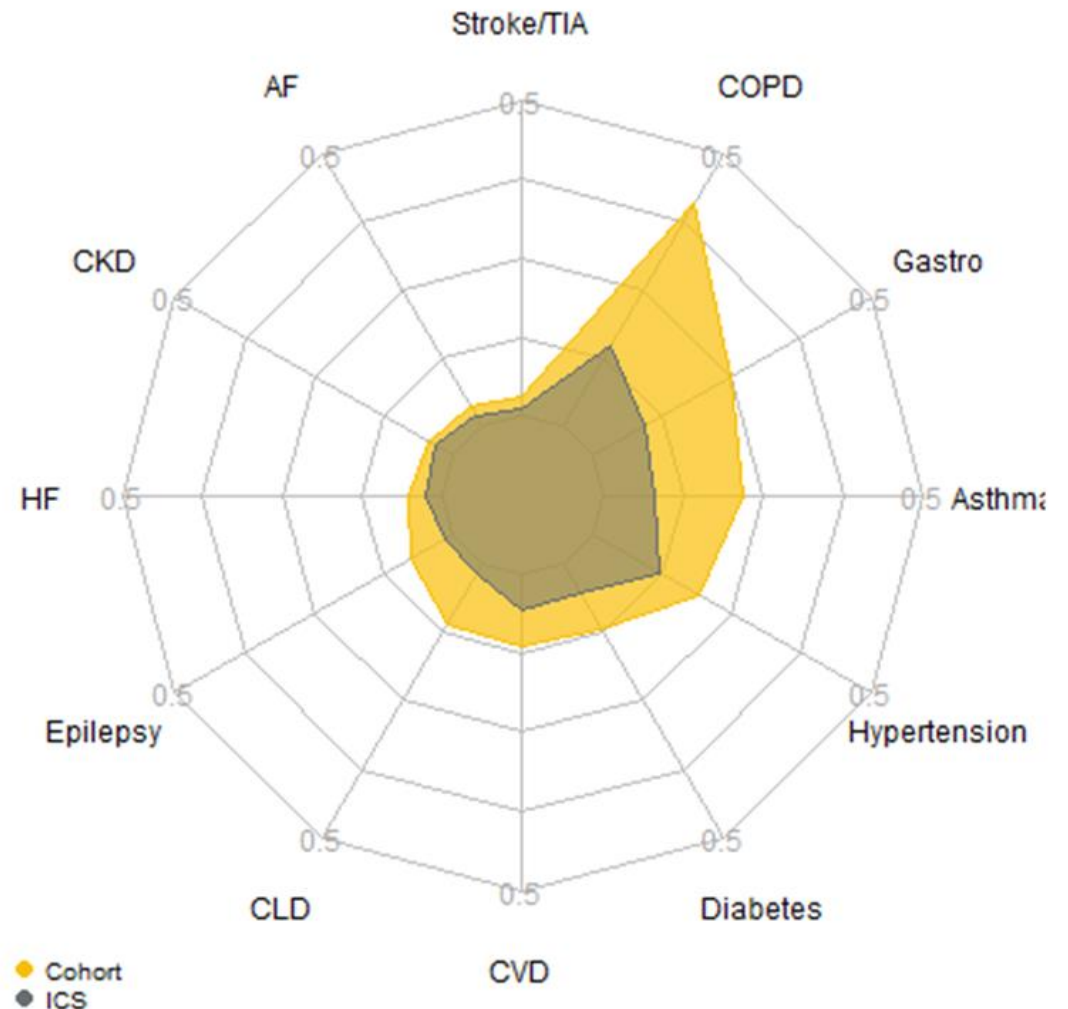
The Long Term Condition segment is defined with more extensive list of conditions.

Health Care Conditions - LTCs in the Population

For the specified long term conditions a comparison of prevalence rates is made between those in the Complex Lives segment and the total population (aged 15+). This indicates the scale of the difference in these disease areas between the segment and the total population.

The scale shows the rate per person so 0.5 represents prevalence of 50% of people.

Proportion of LTC prevalence in cohort compared to overall ICS population



Health and Care Use – A&E Services

Those in the Complex Lives segment attend A&E services on average **2.9** times per person, per year. This is much higher than the total population who attend A&E services **0.4** times per person, per year. Emergency Departments are the most used A&E service and also the service where there is the greatest disparity in use between segment and total population. In a year **61%** of people in the Complex Lives segment attend an A&E service. For the total population the same figure is **22%**.

When attending A&E services the average cost per attendance is **£153** for those in the Complex Lives segment. This is **10%** higher than the average cost per attendance for the total population.

Where a clinical reason for attending A&E has been recorded this identifies that for the Complex Lives segment common reasons for attending A&E relate to *Trauma / musculoskeletal* or *Psychosocial / Behaviour change* problems.

Health and Care Use – Emergency Admissions

On average those in the Complex Lives segment have **1.1** emergency admissions per person, per year. This is again much higher than the total population who have on average **0.1** emergency admissions per year.

40% of people in Complex Lives segment have an emergency admission in a year. For the total population the same figure is lower at **7%**.

The average emergency admission cost is **£2,152** for Complex Lives compared to **£2,141** for the total population.

When those in the Complex Lives segment are admitted as an emergency common reasons for admission relate to *Poisoning Toxic Effects Special Examinations Screening and Other Healthcare Contacts and Treatment of Mental Health Patients by Non-Mental Health Service Providers*.

Health and Care Use – Planned Care

Those in the Complex Lives segment use more planned admissions, both as electives and as daycases, on average per person, per year. They also use more outpatient attendances.

In a year **15%** of people in Complex Lives segment have a planned admission. For the total population the same figure is **7%**. For outpatient attendances **63%** of those in the Complex Lives segment attended at least one outpatient appointment in a year compared to **35%** for the total population.

For elective planned care the Complex Lives segment are often admitted with a reason of *Orthopaedic Non-Trauma Procedures* . In daycase admissions their main reason for admission is related to *Digestive System Endoscopic Procedures*. For outpatients their most common clinical specialty is *Gastroenterology* (first attendances) and also *Gastroenterology* (follow-up attendances).

Health and Care Use – Mental Health

On average those in the Complex Lives segment have **7.7** mental health contacts per person, per year. This is much higher than the total population who on average have **0.3** contacts with mental health services per year.

53% of people in the Complex Lives segment have an contact with mental health services in a year. For the total population the same figure is only **4%**.

When those in the Complex Lives segment are in contact with mental health this most commonly involves contacts with *Community Mental Health Team – Functional or Crisis Resolution Team/Home Treatment Service* teams.

Health and Care Use – Community Services

On average those in the Complex Lives segment have **7.2** contacts with community services per person, per year. This is higher than the total population who, on the same basis, have **1.7**.

30% of people in the Complex Lives segment are in contact with community services in a year. For the total population the figure is **21%**.

The most used community service for the Complex Lives segment is *District Nursing Service*.

Community contacts are usually counted where the attended flag indicates a patient attended/was seen. However, for Bridgewater Community Healthcare Trust the attendance flag is not available. Therefore, for this Trust all appointments are counted as contacts. This may artificially inflate community contacts for CCGs with patients at this Trust. No cost information is available for community services data.

Health and Care Use – Social Care

From available data there were on average **0.15** of the Complex Lives segment known to social services in the last year. More than the total population where the same figure is **0.02**. However, social services data should be viewed as indicative and treated with caution. A recent review of the data indicated concerns with the data and further work is already underway to improve the consistency and quality of social care data.

Social services data includes information collected by councils and does not include services purchased directly by patients or provided by the voluntary sector.

Health and Care Use – Summary Tables

	Average activity per person, per year		Ratio between average activity for cohort compared to the total population	Average activity cost		Difference in average cost for cohort compared to the total population	% of people accessing service	
	<i>Cohort</i>	<i>Total Population</i>		<i>Cohort</i>	<i>Total Population</i>		<i>Cohort</i>	<i>Total Population</i>
A&E Attendance								
Emergency Department	2.7	0.3	9.1	£158	£155	2%	60%	19%
MIU/Other	0.2	0.1	2.4	£79	£79	0%	9%	5%
Walk In Centre	0.006	0.003	1.8	-	-	-	0.4%	0.3%
Total: A&E Attendance	2.9	0.4	7.7	£153	£139	10%	61%	22%
Emergency Admission	1.1	0.1	10.8	£2,152	£2,141	1%	40%	7%
Planned Inpatient Care								
Daycase	0.2	0.1	2.1	£741	£789	-6%	13%	6%
Elective	0.0	0.0	3.0	£3,803	£4,413	-14%	4%	1%
Total: Planned Inpatient Admission	0.3	0.1	2.2	£1,191	£1,261	-6%	15%	7%
Outpatient Attendances								
First	1.3	0.4	3.0	£191	£178	7%	49%	24%
Follow-up	2.5	1.2	2.2	£99	£104	-5%	50%	28%
Total: Outpatient Attendances	3.8	1.6	2.4	£139	£128	9%	63%	35%
Mental Health Contact	7.7	0.3	22.0	-	-	-	53%	4%
Community Contact	7.2	1.7	4.1	-	-	-	30%	21%
Social Services (known to)	0.15	0.02	6.6	-	-	-	15%	2%

Primary Care Prescribing

From the prescribing data available for primary care the top 10 drugs types prescribed to those in the Complex Lives segment are:

- Selective Serotonin Re-Uptake Inhibitors
- Proton pump inhibitors
- Other antidepressant drugs
- Single Substances
- Control Of Epilepsy
- Corticosteroids (Respiratory)
- Compound bronchodilator preparations
- Non-Opioid Analgesics And Compound Prep
- Beta-Adrenoceptor Blocking Drugs
- Broad-spectrum penicillins

Technical note

Alongside the excluded practices (see appendix 1) patients who opted out of their data being available for analysis purposes are also excluded. So are any patients whose NHS Number is blank. Also excluded are a small number of patients marked as deceased.

An exact date of birth is not accessible, only year and month of birth is available. When calculating the age of patient all dates of birth are therefore estimated as the 15th day of a calendar month.

Primary care data is used as the main basis for identifying patients and their segments. Primary care from April 2014 to date was the underlying source of this analysis.

meet the System P Team

Individual	System P role	Role outside of the programme
Professor Joe Rafferty CBE	Executive Sponsor	Chief Executive Mersey Care NHS Foundation Trust
Dr Louise Edwards	Senior Responsible Officer	Executive Director of Strategy, Mersey Care
Andrea Astbury	Programme Director	Deputy Director of Strategy, NHS Liverpool CCG
Wes Baker	Strategic Analytics	Director of Strategic Analytics, Economics and Population Health Management, Mersey Care
Shahina Rashid	Project Support	Project Support, Midlands & Lancashire Commissioning Support Unit
Helen Bennett	Senior Advisor	Deputy Director of Strategic Planning & Intelligence, Mersey Care
Helen Duckworth	Intelligence Infrastructure	Associate Director of Business Intelligence C&M, Programme Director for CIPHA
Professor Ben Barr	Data Science & Analytics	Professor in Applied Public Health Research, Institute of Population Health, University of Liverpool

