



System P

Community and Mental Health Services



Frailty and Dementia 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

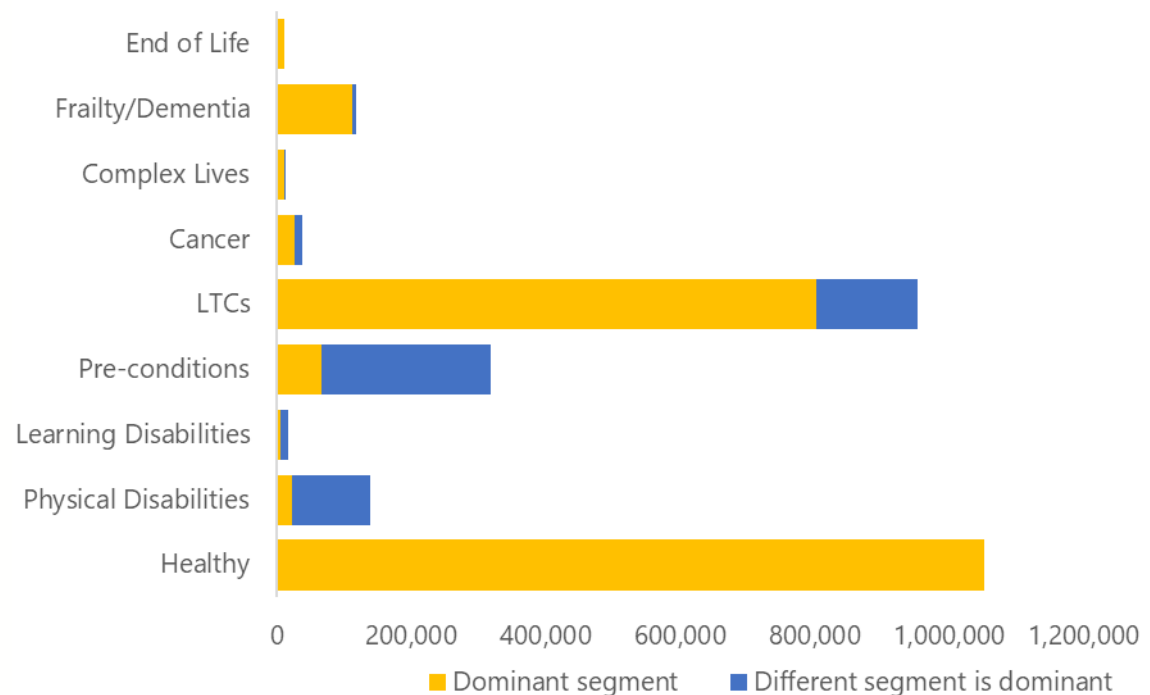
Practices without a signed Data Sharing Agreement

None

All Segments

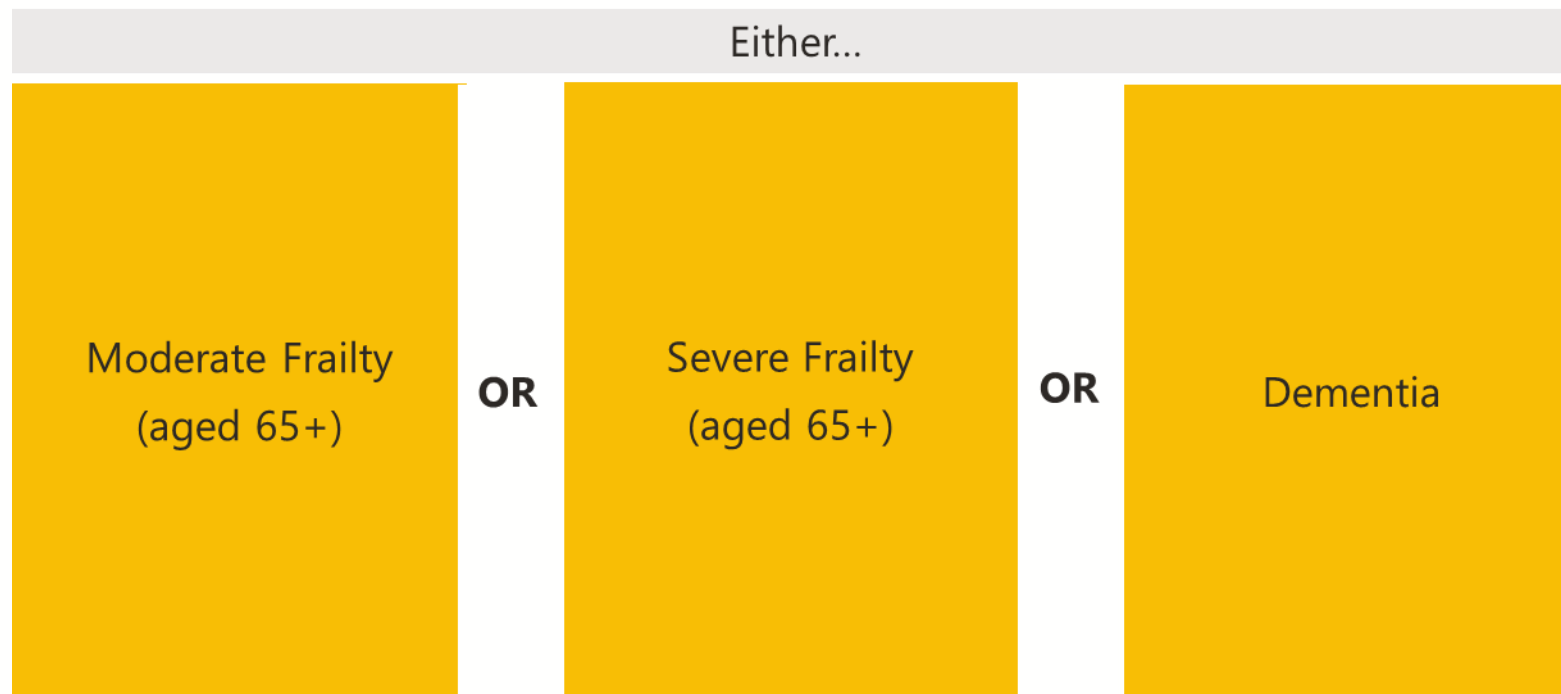
Segmentation methodology comprises nine different segments. Individuals may belong to one segment or more, excepting the healthy group who by definition belong to that group alone. Where individuals belong to more than one segment it is possible to assign a dominant segment but in this analysis all people in Frailty and Dementia 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 Frailty and Dementia segment defined

People are defined as belonging to the Frailty and Dementia segment if they have:

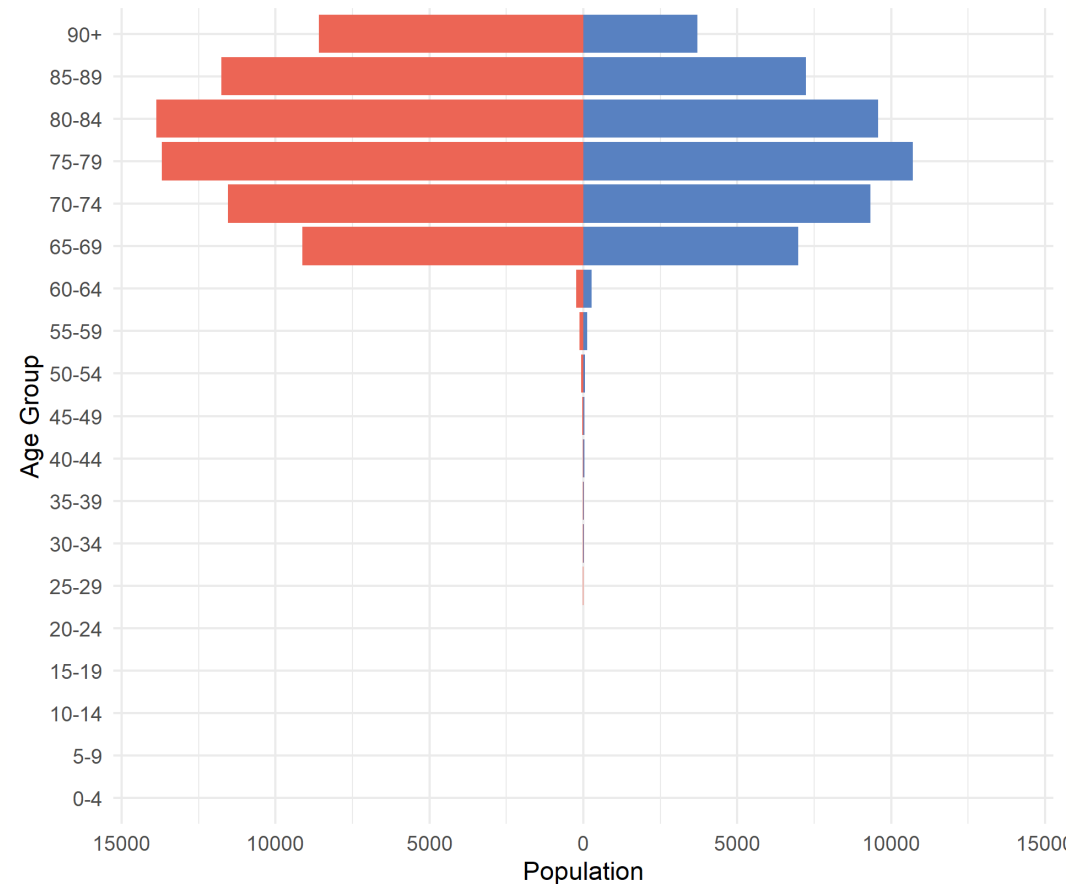


In Cheshire & Merseyside ICS 117,243 individuals (5.6% of the population) were identified as belonging to the Frailty and Dementia segment. In this pack we describe the characteristics of people in this segment, before moving on to describe their other healthcare issues and how they use services.

Patient Characteristics – Age and Gender

For the Frailty and Dementia segment the mean average age of these individuals is 79 (interquartile range from 73 to 85).

Gender splits within the segment are 41% male and 59% female.

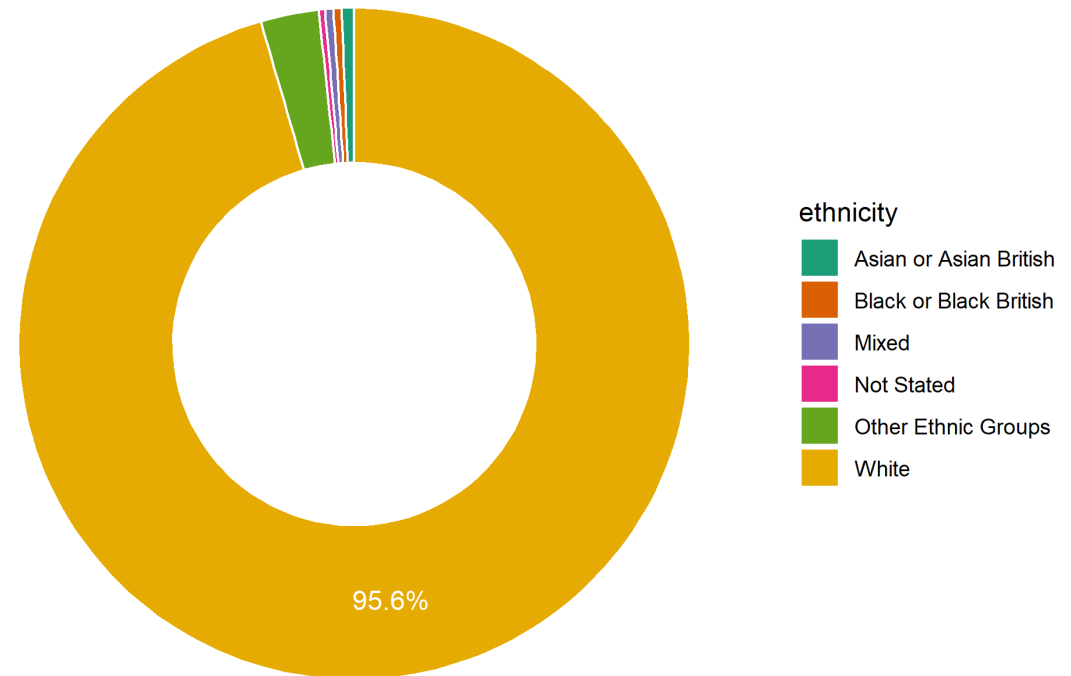


Patient Characteristics - Ethnicity

96% of people in the Frailty and Dementia segment class their ethnicity as White.

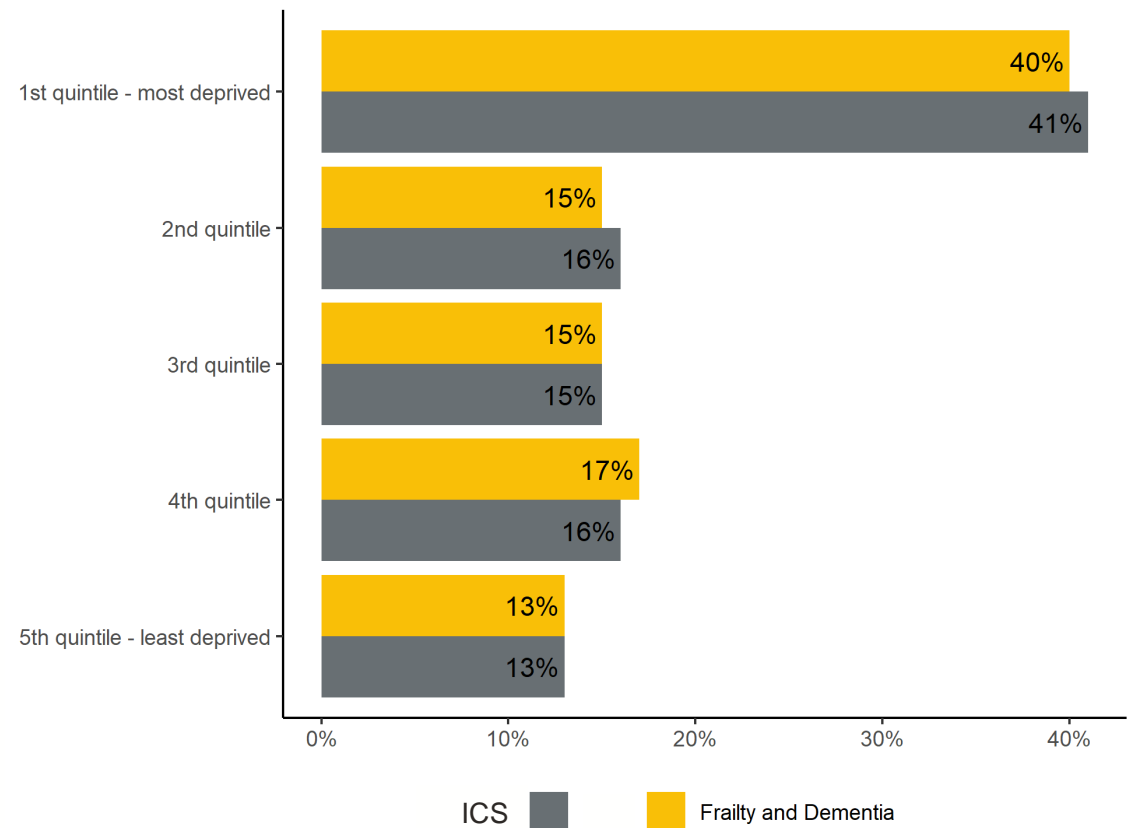
The remaining 4% class themselves as one of the ethnic minority groups.

A small number did not state their ethnicity.



Patient Characteristics - Deprivation

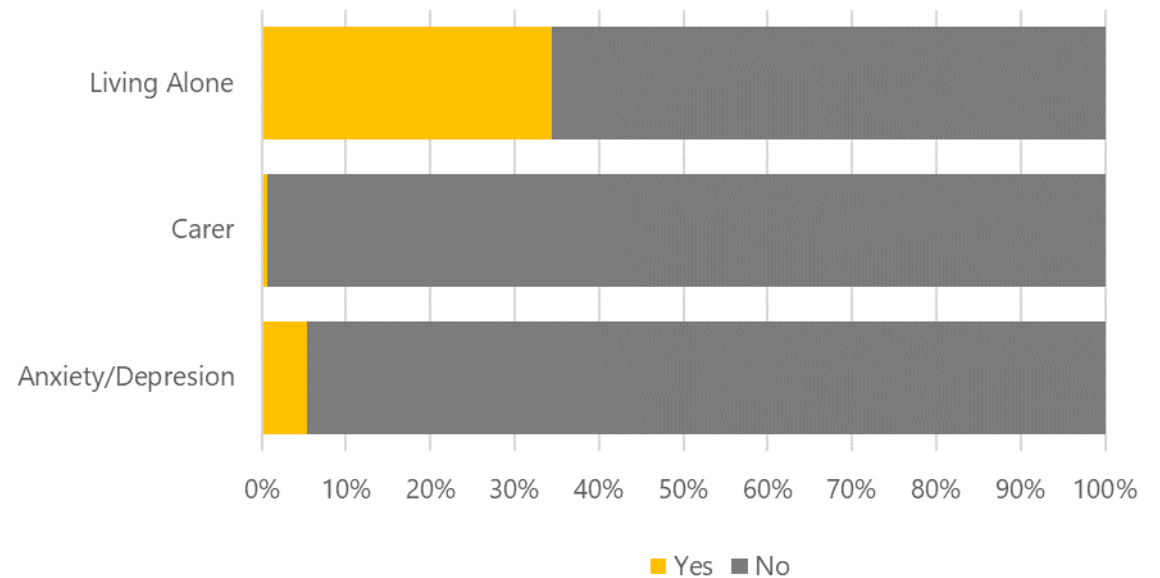
Those with Frailty and Dementia are more likely to reside in areas of higher deprivation. 40% of the segment live in the most deprived quintile.



This analysis excludes a small number of people for whom no deprivation was recorded. ICS figures based on practices with signed DSA.

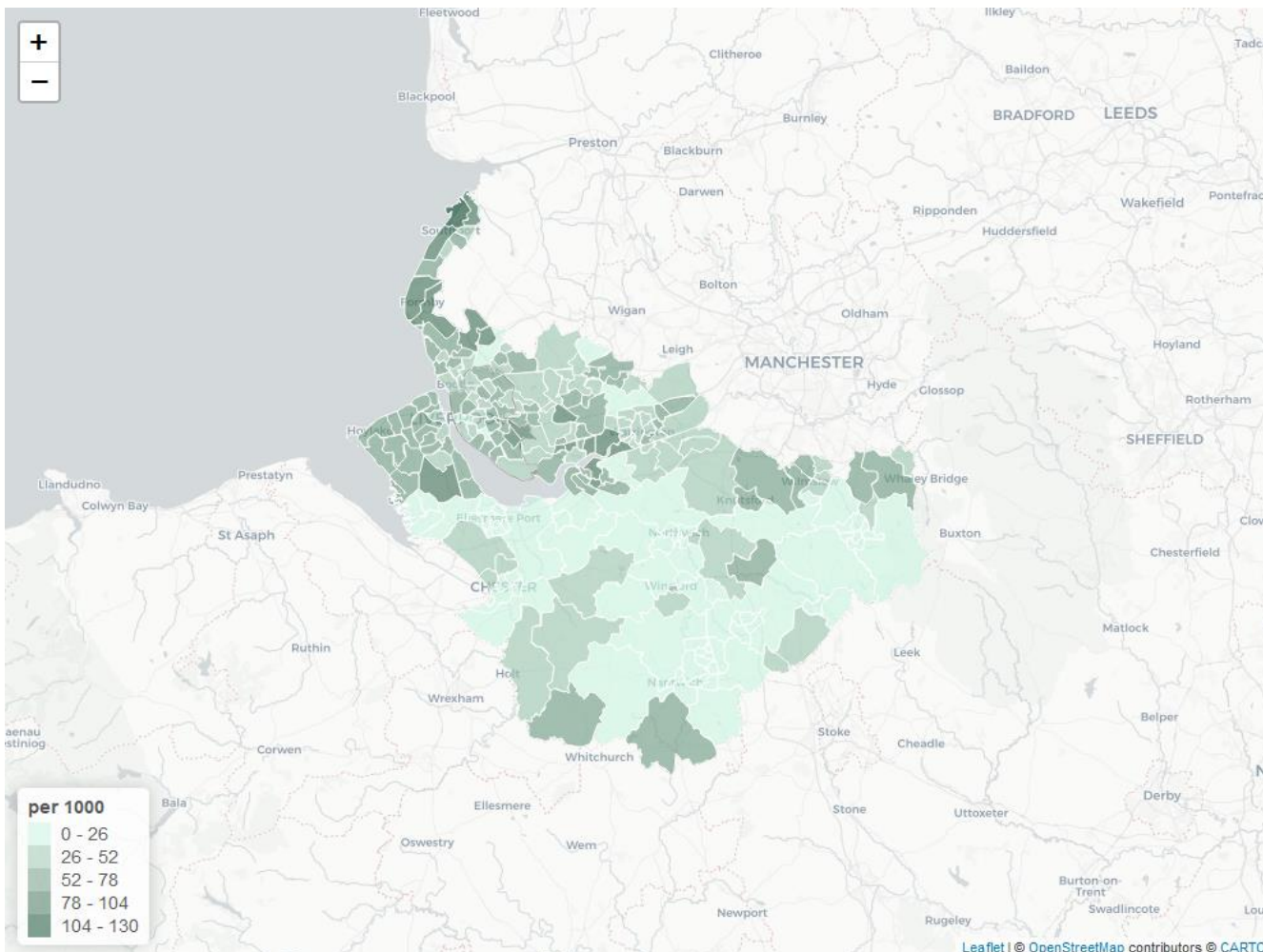
Patient Characteristics - Living Arrangements

A third of individuals in the Frailty and Dementia segment are living alone. A small number were found to have caring responsibilities and 5% were found to be suffering from Anxiety or Depression in the last two years.



Patient Characteristics - Geography

The map shows, for wards within the ICS, the rate of Frailty and Dementia individuals per 1,000 population.



Areas with some of the highest density for Frailty and Dementia are:

- Bankfield (Halton)
- Duke's (Southport & Formby)
- Cambridge (Southport & Formby)

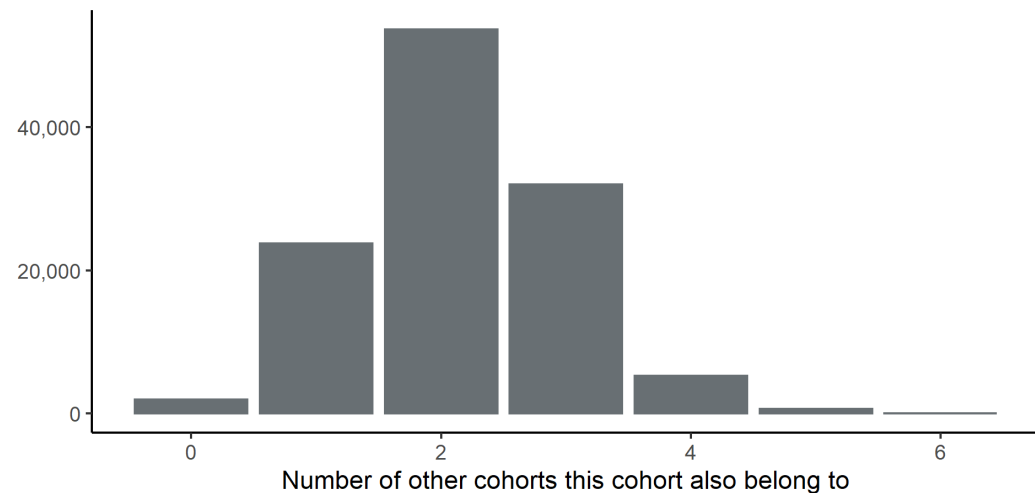
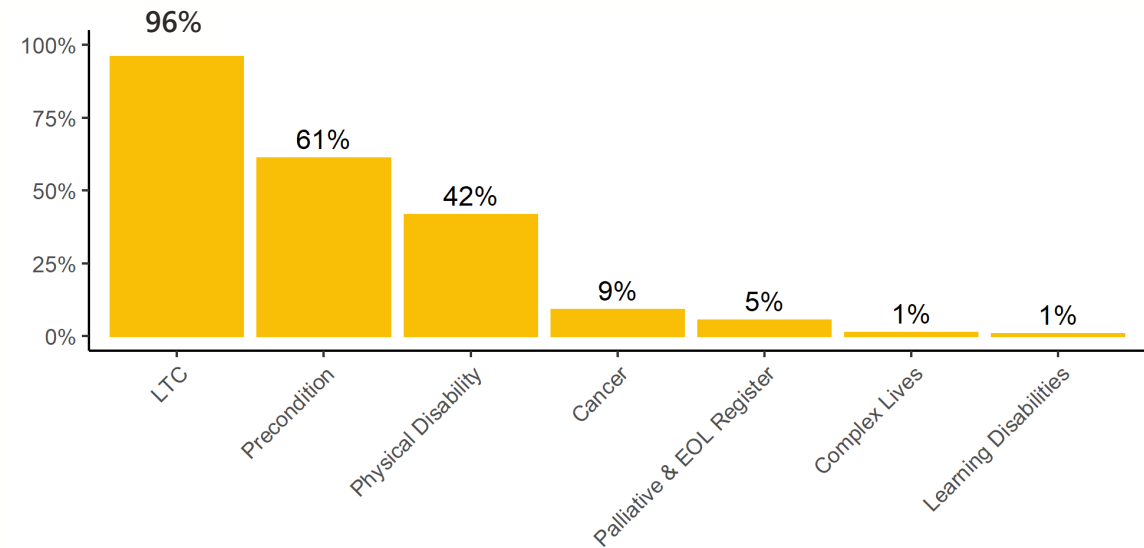
Due to the low sign up of practices in Cheshire CCG rates in this area will be artificially low.

Health Care Conditions - Other segments

Those in the Frailty and Dementia segment also fall into other, sometimes multiple, segments.

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

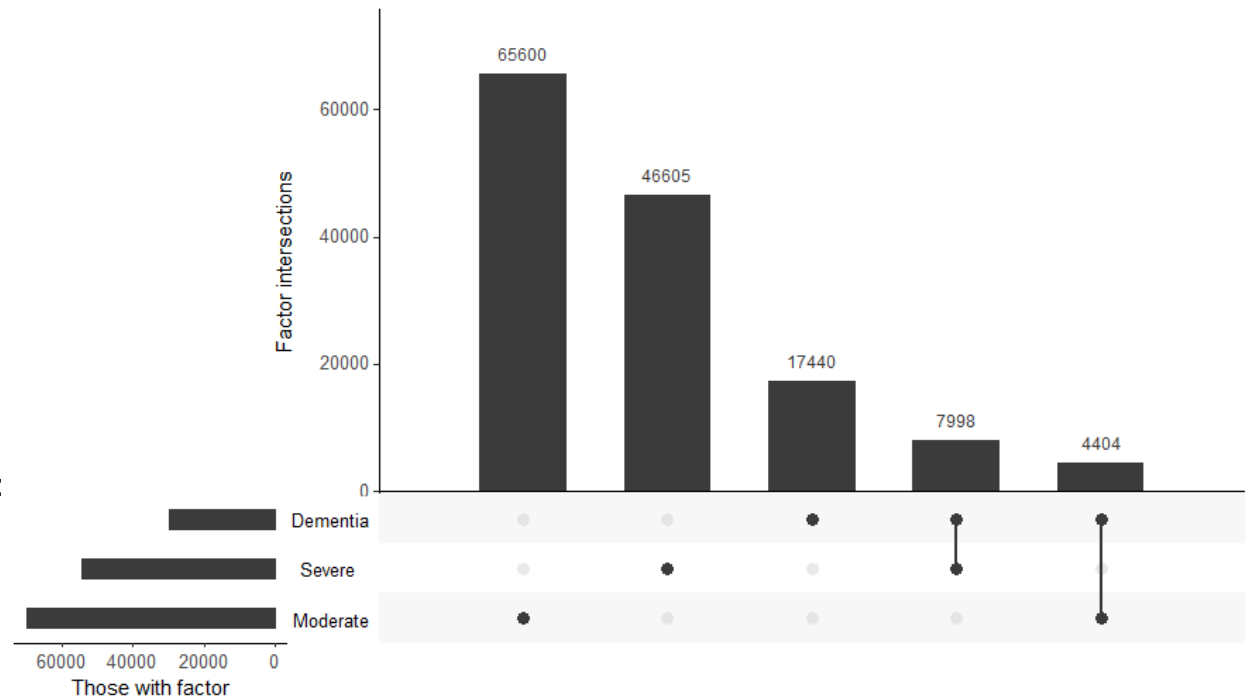
On average, those in the segment fall into an additional 2.1 segments.



Patient Characteristics - Factors

For an individual to be assigned to the Frailty and Dementia segment depends on factors for the level of frailty (moderate or severe) or a clinical code for dementia. Numbers are larger frailty alone but some individuals do have both frailty and dementia.

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.

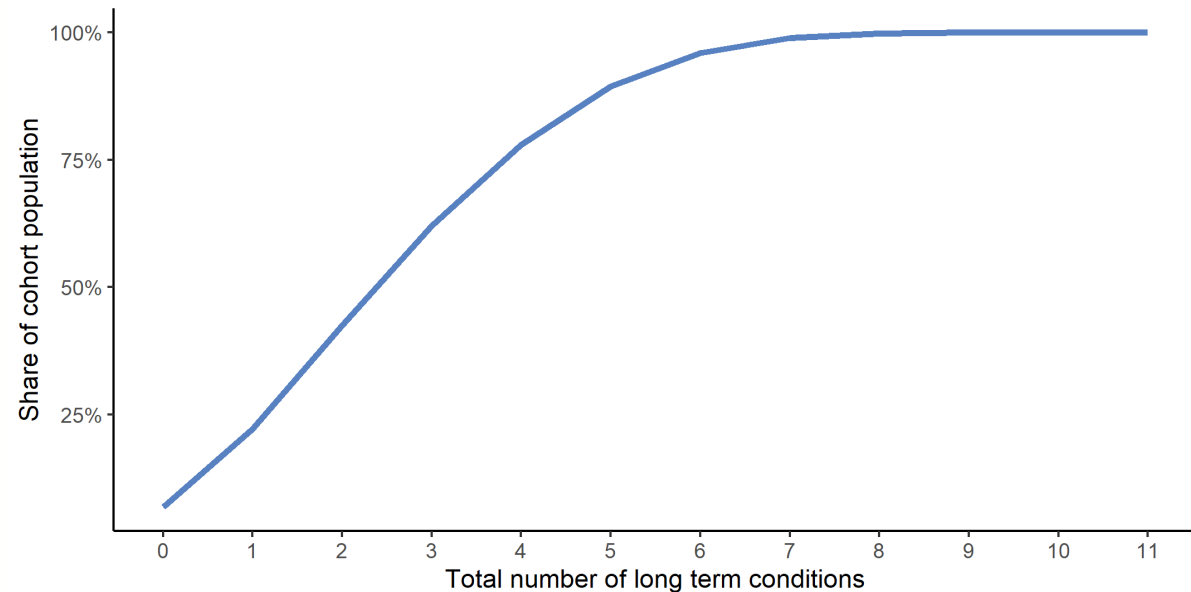


Although not a factor, there was interest in identifying those prescribed an anticholinergic. In the last year 80% of those in the segment were prescribed these at least once, and where prescribed there were on average 2.4 different types.

Health Care Conditions of Interest

Frailty and Dementia 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 3.0 of the specified long term health conditions. Only 7% do not have any of the LTCs at all.

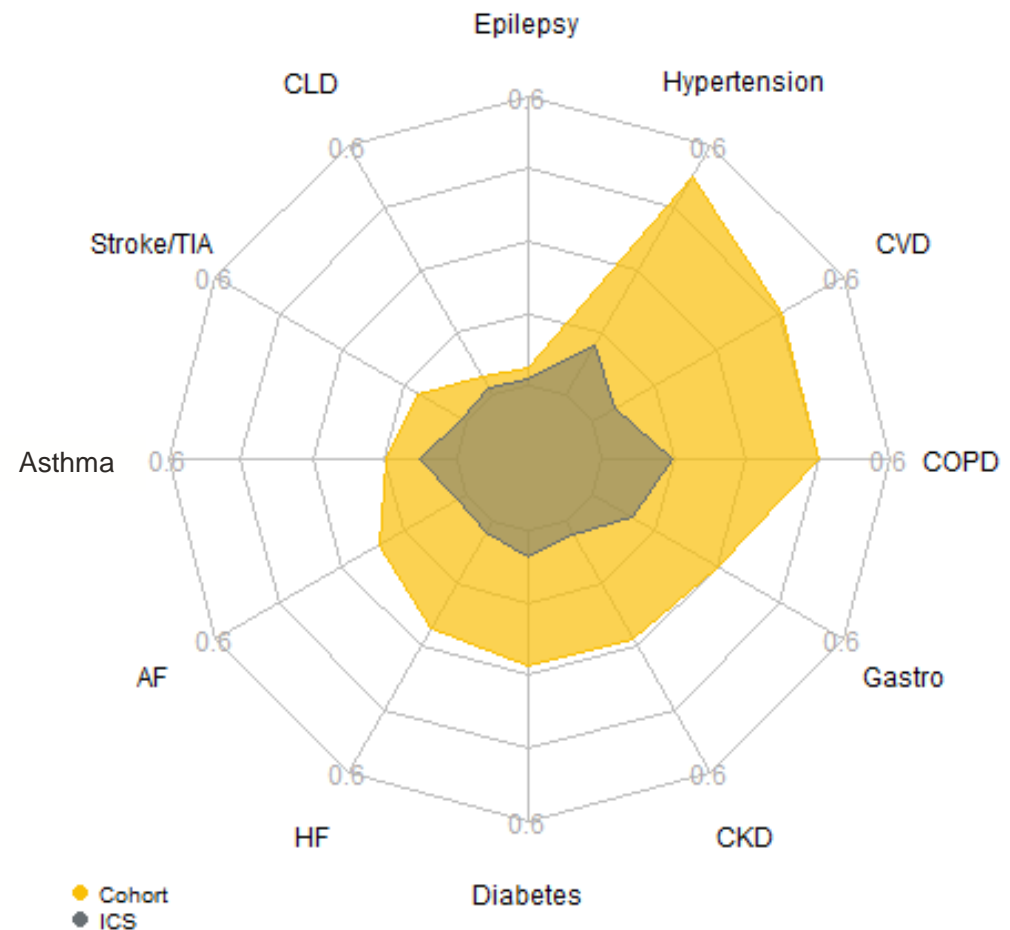
The Long Term Condition segment is defined with more extensive list of conditions.

Health Care Conditions - LTCs in the Population

For the specified long term conditions a comparison of prevalence rates is made between those in the Frailty and Dementia 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 0.6 represents prevalence of 60% of people.

Proportion of LTC prevalence in cohort compared to overall ICS population



Health and Care Use – A&E Services

Those in the Frailty and Dementia segment attend A&E services on average **0.8** 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 **42%** of people in the Frailty and Dementia 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 **£174** for those in the Frailty and Dementia segment. This is **26%** 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 Frailty and Dementia segment common reasons for attending A&E relate to *Trauma / musculoskeletal* or *Circulation / chest* problems.

Health and Care Use – Emergency Admissions

On average those in the Frailty and Dementia segment have **0.5** 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.

29% of people in Frailty and Dementia 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 **£3,184** for Frailty and Dementia compared to **£2,141** for the total population. Higher costs for emergency admissions for those with frailty or dementia will most likely be partly associated with longer lengths of stay for these patients.

When those in the Frailty and Dementia segment are admitted as an emergency common reasons for admission relate to *Cardiac Disorders* and *Respiratory System Procedures and Disorders*.

Health and Care Use – Planned Care

Those in the Frailty and Dementia 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 **25%** of people in Frailty and Dementia segment have a planned admission. For the total population the same figure is **7%**. For outpatient attendances **78%** of those in the Frailty and Dementia segment attended at least one outpatient appointment in a year compared to **35%** for the total population.

For elective planned care the Frailty and Dementia 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 *Cardiology* (first attendances) and also *Ophthalmology* (follow-up attendances).

Health and Care Use – Mental Health

On average those in the Frailty and Dementia segment have **1.2** 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.

12% of people in the Frailty and Dementia 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 Frailty and Dementia segment are in contact with mental health this most commonly involves contacts with *General Psychiatry Service* or *Memory Services/Clinic/Drop in service*.

Health and Care Use – Community Services

On average those in the Frailty and Dementia segment have **11.2** contacts with community services per person, per year. This is higher than the total population who, on the same basis, have **1.7**.

55% of people in the Frailty and Dementia 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 Frailty and Dementia segment is *District Nursing Service*.

Health and Care Use – Social Care

From available data there were on average **0.16** of the Frailty and Dementia 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	0.7	0.3	2.4	£188	£155	21%	39%	19%
MIU/Other	0.1	0.1	1.3	£79	£79	0%	6%	5%
Walk In Centre	0.003	0.003	1.0	-	-	-	0.3%	0.3%
Total: A&E Attendance	0.8	0.4	2.2	£174	£139	26%	42%	22%
Emergency Admission	0.5	0.1	4.8	£3,184	£2,141	49%	29%	7%
Planned Inpatient Care								
Daycase	0.4	0.1	4.0	£750	£789	-5%	23%	6%
Elective	0.1	0.0	3.7	£5,116	£4,413	16%	5%	1%
Total: Planned Inpatient Admission	0.5	0.1	3.9	£1,284	£1,261	2%	25%	7%
Outpatient Attendances								
First	1.2	0.4	2.9	£179	£178	0%	56%	24%
Follow-up	3.7	1.2	3.2	£102	£104	-1%	69%	28%
Total: Outpatient Attendances	5.0	1.6	3.2	£124	£128	-3%	78%	35%
Mental Health Contact	1.2	0.3	3.4	-	-	-	12%	4%
Community Contact	11.2	1.7	6.5	-	-	-	55%	21%
Social Services (known to)	0.16	0.02	7.0	-	-	-	16%	2%

Primary Care Prescribing

From the prescribing data available for primary care the top 10 drugs types prescribed to those in the Frailty and Dementia segment are:

- 1 Lipid-regulating drugs
- 2 Proton Pump Inhibitors
- 3 Beta-adrenoceptor blocking drugs
- 4 Vitamin D
- 5 Angiotensin-Converting Enzyme Inhibitors
- 6 Non-opioid analgesics and compound prepa
- 7 Calcium-channel blockers
- 8 Non-Opioid Analgesics And Compound Prep
- 9 Drugs used in Megaloblastic Anaemias
- 10 Diuretics with potassium

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
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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

