Current and predicted chronic conditions and predicted need for help

Southampton City Council

Southampton population forecasts
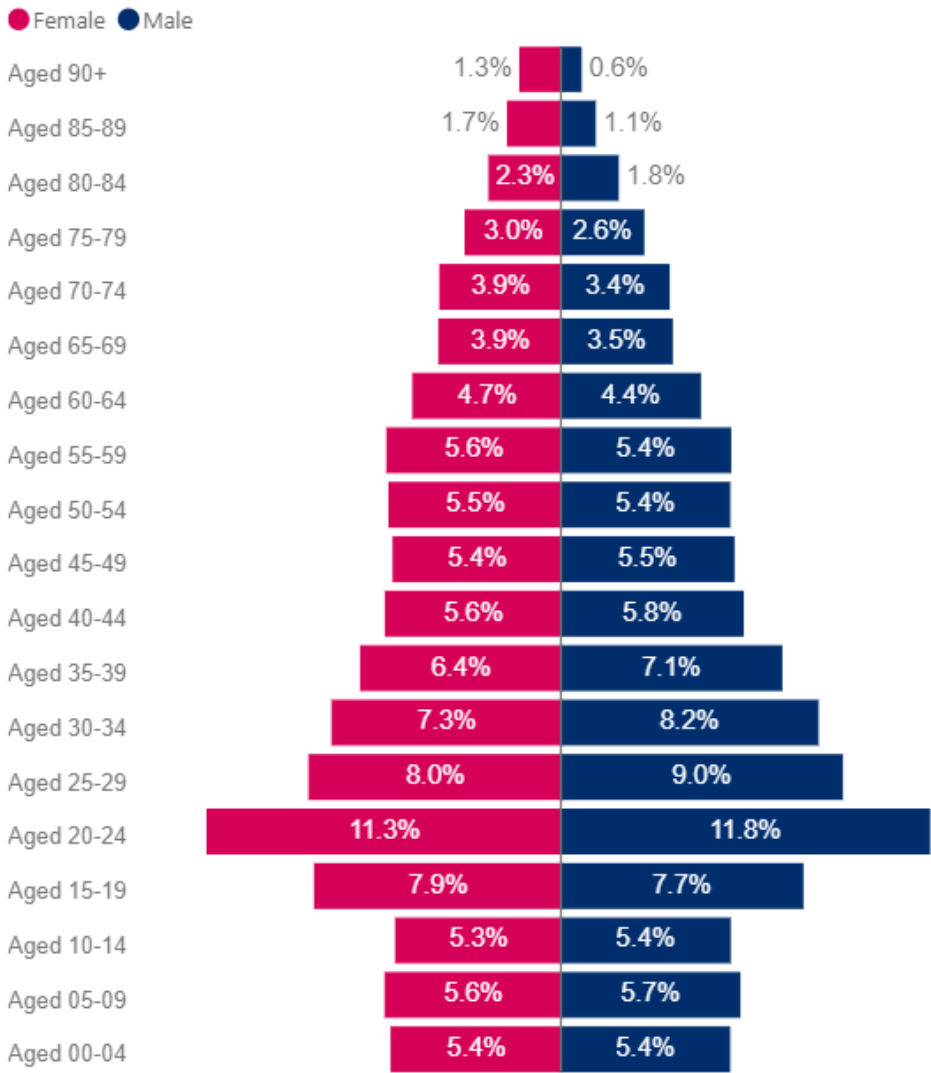
Southampton populations estimates are **261,729** residents, of which **133,357** (51.0%) were **male** and **128,372** (49.0%) were **female** (2021)

Population
Aged 0-15 – **45,335** (17.3%)
Aged 16-64 – **178,225** (68.1%)
Aged 65 and over – **38,169** (14.6%)

Percentage of population by gender for Southampton 2021

● Female ● Male

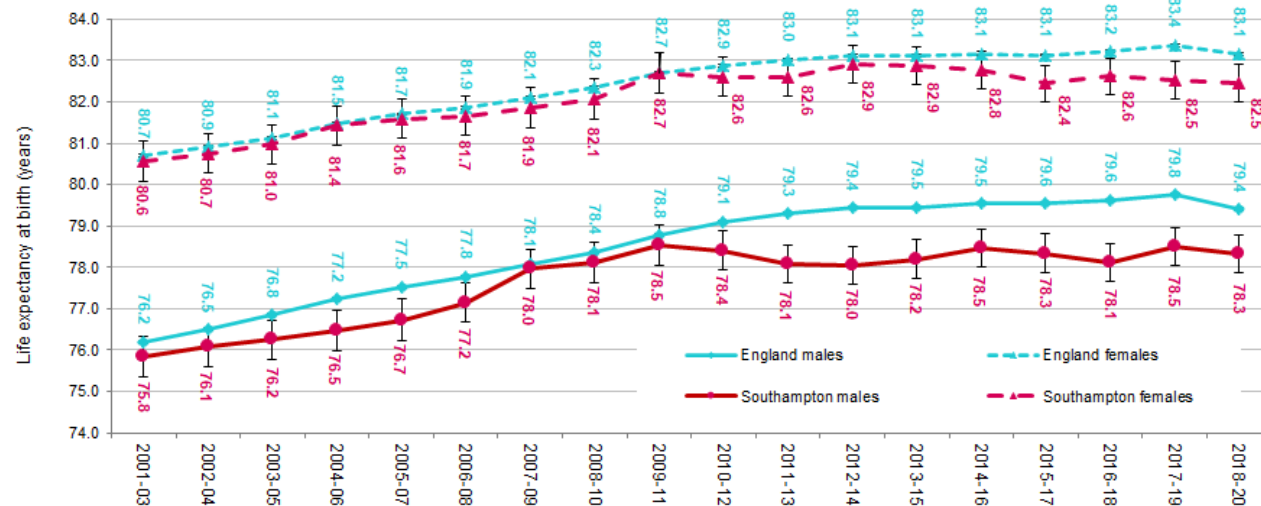| Age group	Female	Male
Aged 90+	1.3%	0.6%
Aged 85-89	1.7%	1.1%
Aged 80-84	2.3%	1.8%
Aged 75-79	3.0%	2.6%
Aged 70-74	3.9%	3.4%
Aged 65-69	3.9%	3.5%
Aged 60-64	4.7%	4.4%
Aged 55-59	5.6%	5.4%
Aged 50-54	5.5%	5.4%
Aged 45-49	5.4%	5.5%
Aged 40-44	5.6%	5.8%
Aged 35-39	6.4%	7.1%
Aged 30-34	7.3%	8.2%
Aged 25-29	8.0%	9.0%
Aged 20-24	11.3%	11.8%
Aged 15-19	7.9%	7.7%
Aged 10-14	5.3%	5.4%
Aged 05-09	5.6%	5.7%
Aged 00-04	5.4%	5.4%

Population for Southampton 2021

Age group	Female	Male	Total
Aged 00-04	6,952	7,180	**14,132**
Aged 05-09	7,201	7,614	**14,815**
Aged 10-14	6,768	7,201	**13,969**
Aged 15-19	10,100	10,304	**20,404**
Aged 20-24	14,514	15,717	**30,231**
Aged 25-29	10,329	11,990	**22,319**
Aged 30-34	9,382	10,952	**20,334**
Aged 35-39	8,206	9,404	**17,610**
Aged 40-44	7,190	7,759	**14,949**
Aged 45-49	6,872	7,362	**14,234**
Aged 50-54	7,041	7,186	**14,227**
Aged 55-59	7,127	7,218	**14,345**
Aged 60-64	6,063	5,928	**11,991**
Aged 65-69	4,988	4,728	**9,716**
Aged 70-74	4,952	4,598	**9,550**
Aged 75-79	3,910	3,512	**7,422**
Aged 80-84	2,935	2,422	**5,357**
Aged 85-89	2,172	1,442	**3,614**
Aged 90+	1,670	840	**2,510**
Total	**128,372**	**133,357**	**261,729**

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2020 base

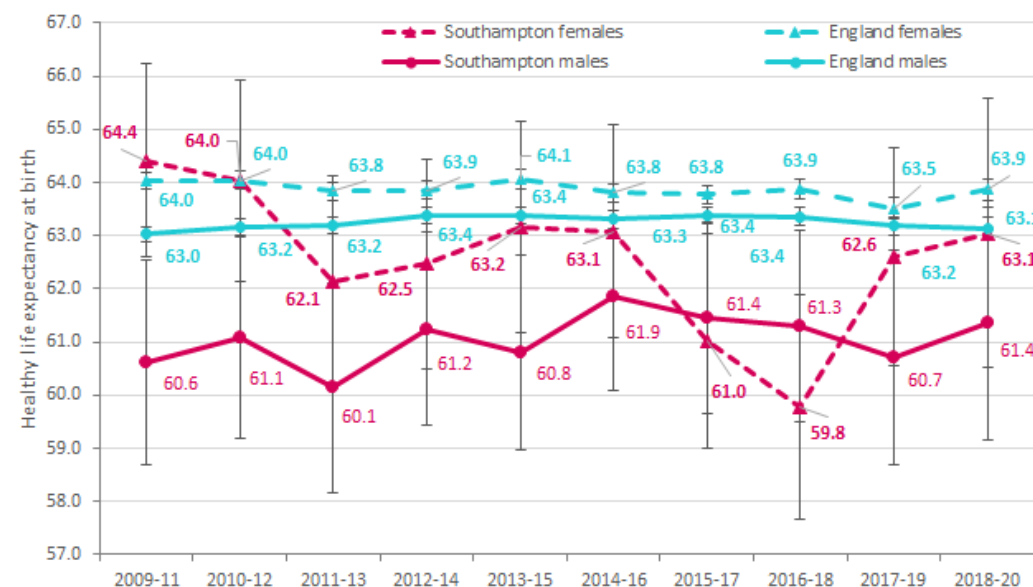**Life expectancy at birth (Males vs Females): Southampton and England trend 2001-03 to 2018-20 (pooled)**

Life expectancy at birth (years)

England females: 80.7, 80.9, 81.1, 81.5, 81.7, 81.9, 82.1, 82.3, 82.7, 82.9, 83.0, 83.1, 83.1, 83.1, 83.1, 83.2, 83.4, 83.1

Southampton females: 80.6, 80.7, 81.0, 81.4, 81.6, 81.7, 81.9, 82.1, 82.7, 82.6, 82.6, 82.9, 82.9, 82.8, 82.4, 82.6, 82.5, 82.5

England males: 76.2, 76.5, 76.8, 77.2, 77.5, 77.8, 78.1, 78.4, 78.8, 79.1, 79.3, 79.4, 79.5, 79.5, 79.6, 79.6, 79.8, 79.4

Southampton males: 75.8, 76.1, 76.2, 76.5, 76.7, 77.2, 78.0, 78.1, 78.5, 78.4, 78.1, 78.0, 78.2, 78.5, 78.3, 78.1, 78.5, 78.3

Years: 2001-03, 2002-04, 2003-05, 2004-06, 2005-07, 2006-08, 2007-09, 2008-10, 2009-11, 2010-12, 2011-13, 2012-14, 2013-15, 2014-16, 2015-17, 2016-18, 2017-19, 2018-20

—— England males - - - England females
—— Southampton males - - ▲ Southampton females

Source: Office for Health Improvement and Disparities (OHID)

- Increases in **life expectancy** appear to have now **plateaued**, although the **number of years** spent in **poor health** continues to be **substantial**
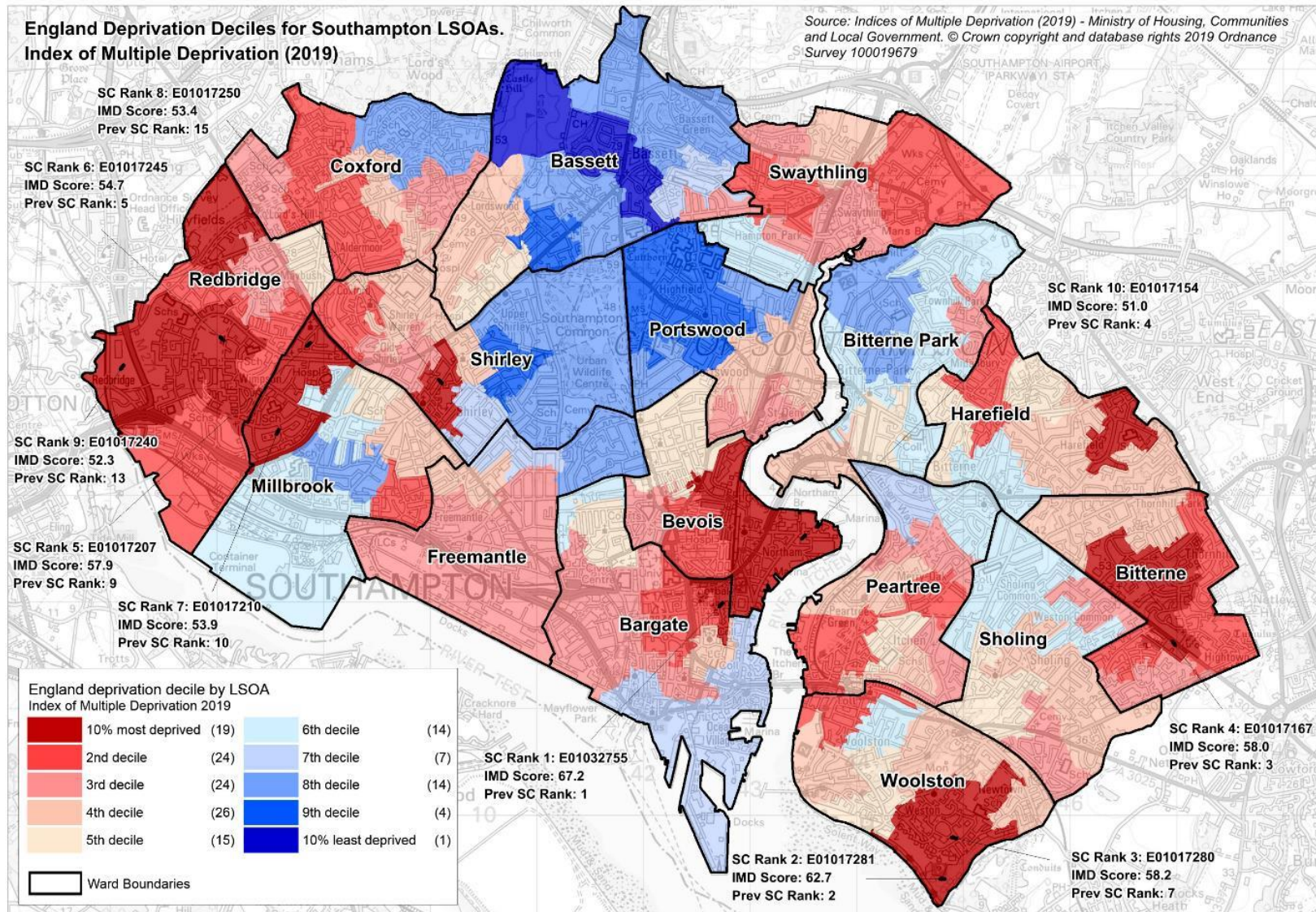
- **Increases** in **life expectancy** over the last few decades mean that people are **living longer**

- However, **lower levels** of **healthy life expectancy** suggest, people live longer **with long term conditions** and an **extended period** of **poor health / disability**

Healthy Life Expectancy at birth (Males and Females) Southampton and England trend: 2009-11 to 2018-20 (pooled)

Healthy life expectancy at birth

- - -● Southampton females   —▲— England females
—●— Southampton males   —●— England males

Southampton females: 64.4, 64.0, 62.1, 62.5, 63.2, 63.1, 61.0, 59.8, 62.6, 63.0
England females: 64.0, 64.0, 63.8, 63.9, 64.1, 63.8, 63.8, 63.9, 63.5, 63.9
England males: 63.0, 63.2, 63.2, 63.4, 63.4, 63.3, 63.4, 63.4, 63.2, 63.1
Southampton males: 60.6, 61.1, 60.1, 61.2, 60.8, 61.9, 61.4, 61.3, 60.7, 61.4

Years: 2009-11, 2010-12, 2011-13, 2012-14, 2013-15, 2014-16, 2015-17, 2016-18, 2017-19, 2018-20

Source: Office for Health Improvement & Disparities

England Deprivation Deciles for Southampton LSOAs.
Index of Multiple Deprivation (2019)

Source: Indices of Multiple Deprivation (2019) - Ministry of Housing, Communities and Local Government. © Crown copyright and database rights 2019 Ordnance Survey 100019679

SC Rank 8: E01017250
IMD Score: 53.4
Prev SC Rank: 15

SC Rank 6: E01017245
IMD Score: 54.7
Prev SC Rank: 5

SC Rank 10: E01017154
IMD Score: 51.0
Prev SC Rank: 4

SC Rank 9: E01017240
IMD Score: 52.3
Prev SC Rank: 13

SC Rank 5: E01017207
IMD Score: 57.9
Prev SC Rank: 9

SC Rank 7: E01017210
IMD Score: 53.9
Prev SC Rank: 10

SC Rank 1: E01032755
IMD Score: 67.2
Prev SC Rank: 1

SC Rank 4: E01017167
IMD Score: 58.0
Prev SC Rank: 3

SC Rank 2: E01017281
IMD Score: 62.7
Prev SC Rank: 2

SC Rank 3: E01017280
IMD Score: 58.2
Prev SC Rank: 7

England deprivation decile by LSOA
Index of Multiple Deprivation 2019

10% most deprived (19)	6th decile (14)	
2nd decile (24)	7th decile (7)	
3rd decile (24)	8th decile (14)	
4th decile (26)	9th decile (4)	
5th decile (15)	10% least deprived (1)	

Ward Boundaries

- **Southampton** is ranked **55th** (previously 54th) **most deprived** out of **317** local authorities

- Around **12%** of Southampton's **population** live in neighbourhoods within the **10% most deprived** nationally (18% for the under 18 population)

- Southampton is ranked **3rd worst** in the country for **crime** deprivation and is in the **worst 20%** of local authorities for **5 other deprivation** domains

Approximately **10,300 residents** have **moderate** or **severe frailty** and are at **higher risk** of **adverse outcomes** such as falls, disability, admission to hospital, or the need for long-term care. (CHIE)

In Southampton, in **2021**, by the age of **40 to 44** years, **over half** of Southampton registered patients have **at least one chronic health condition**; by the age **60 to 64**, over **a third** have at least **three chronic conditions** and by the age **80 to 84**, almost a **third** have at least **6 chronic conditions.**

Number of chronic conditions by age band
Southampton patients February 2021

By age 80-84 over a third (34%) have at least 6 LTCs

By 40-44 over half have at least 1 LTC

By age 60-64 over a third (38%) have at least 3 LTCs

89.0% have no LTCs at age 0-4

% of registered patients

- 0 chronic conditions
- 1 chronic condition
- 2 chronic conditions
- 3 chronic conditions
- 4 chronic conditions
- 5 chronic conditions
- 6 chronic conditions
- 7 chronic conditions
- 8 chronic conditions of more

Source: Sollis Clarity Health Analytics (ACG version 11.1/11.2) February 2021

Proportion of patients with **3 or more chronic conditions** by age group and IMD national quintile: Southampton - February 2021
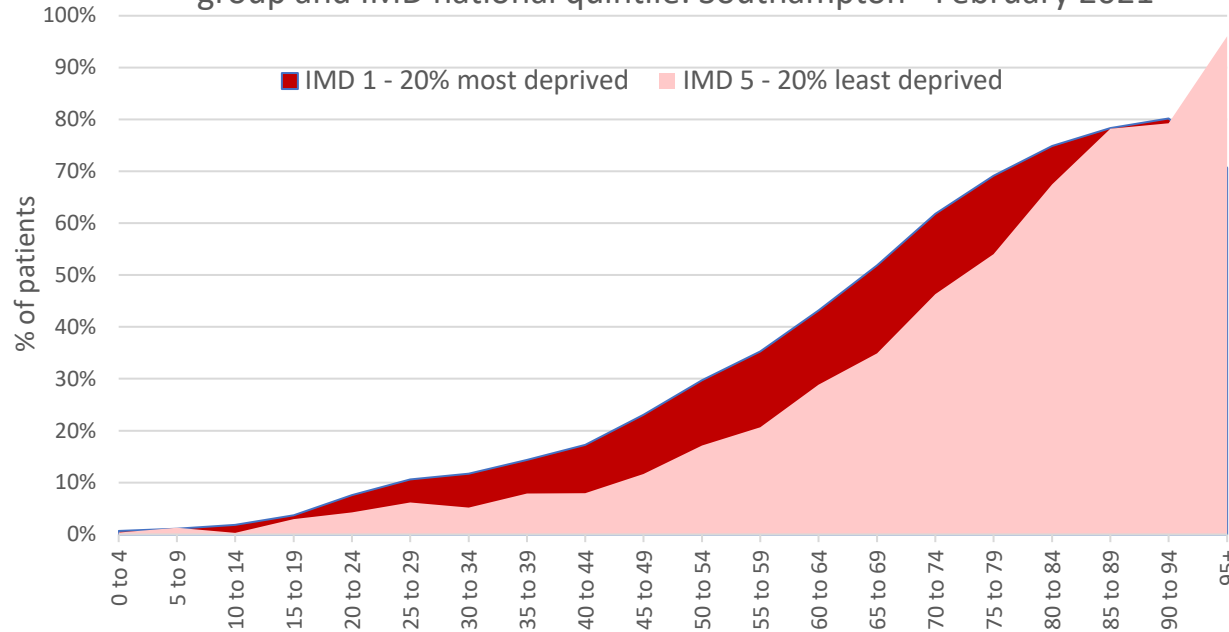
Proportion of patients with **5 or more chronic conditions** by age group and IMD (2019) quintile: Southampton - February 2021
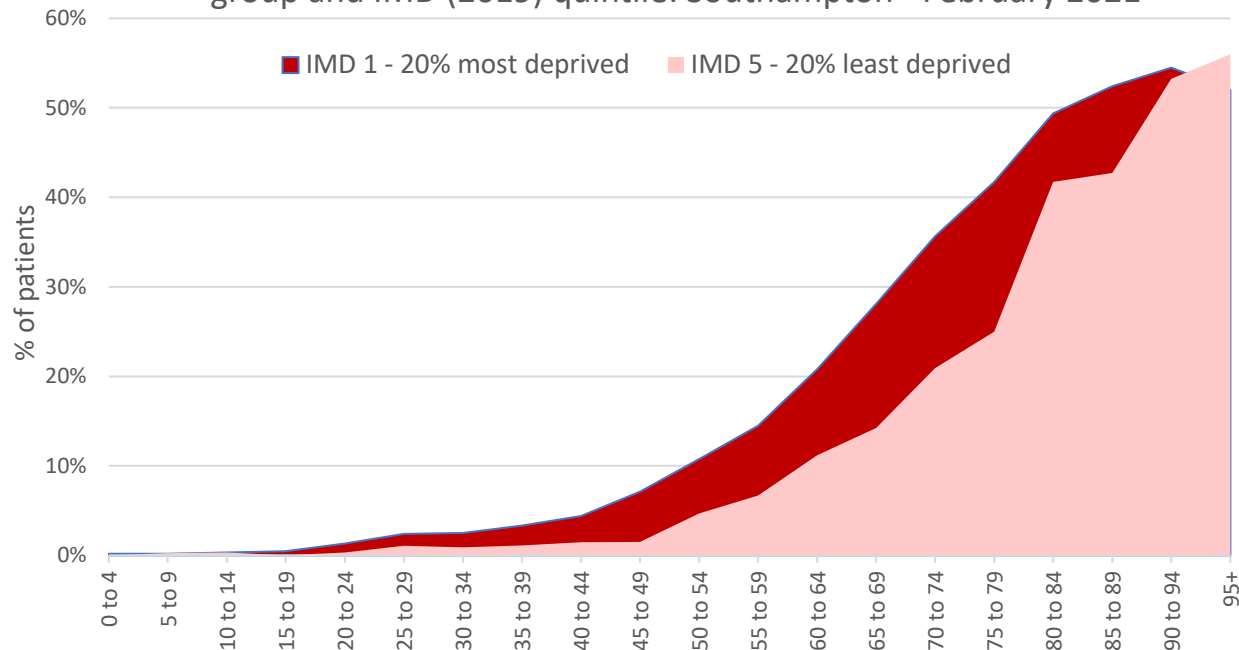
- Multi-morbidity **increases** with age, BUT it also appears to be **occurring earlier in life**…..particularly for those in the **most deprived** areas

- Comparing 20% **most deprived** and 20% **least deprived** areas for prevalence of **3+ and 5+** chronic conditions:

  - **differences** appear at an **early age** and gradually **narrow** (relatively) as the **population ages**

  - **differences** begin to appear in the **early 20's** and **peak** between the **mid-30's** and **mid-40's**, where prevalence is **more than double** for those with **3+ conditions** and more than **triples** for **5+ conditions**

Leading causes and risk factors of disability

Causes

Causes	Southampton	Portsmouth	Hampshire	Isle of Wight	England
Low back pain	1	1	1	1	1
Diabetes	2	2	2	2	2
Depressive disorders	3	3	3	3	3
Headache disorders	4	4	4	4	4
Neck pain	5	5	6	6	5
Gynecological diseases	6	6	9	13	9
Other musculoskeletal	7	7	8	10	7
Anxiety disorders	8	8	11	12	10
Age-related hearing loss	9	9	5	5	6
Asthma	10	11	12	8	14

Top 10 causes attributed to Years Lived with Disability (YLDs)

Low back pain and **diabetes** are the **two leading** causes of **disability** across the **Southampton** and neighbouring areas

Risks Factors

Risks Factors	Southampton	Portsmouth	Hampshire	Isle of Wight	England
High body-mass index	1	1	1	2	1
High fasting plasma glucose	2	2	2	1	2
Smoking	3	3	3	3	3
Alcohol use	4	4	4	4	4
Drug use	5	5	5	5	5
Occupational ergonomic	6	6	8	8	7
High blood pressure	7	7	6	6	6
Low bone mineral density	8	8	7	7	8
High processed meat	9	9	9	9	9
Particulate matter	10	10	10	12	10

Top 10 Risk Factors attributed to Years Lived with Disability (YLDs)

High body mass index and **high fasting plasma glucose** are the **two leading risk** factors causing disability across the Southampton and neighbouring areas

Source: Global Burden of Disease, University of Washington 2021

Years of life lost sums the **difference** between the **age** a **person died at** to reaching **75 years of age** by cause of death.

Causes of death with **more numbers** of those **dying younger** have a **bigger shape**

Bronchitis and emphysema 107
Asthma 33
Digestive diseases 2,321
72 Gastric, duodenal and peptic ulcers

Drug-related deaths *

Suicide and injury undetermined* 2,271
1,765

Respiratory diseases 1,889
Pneumonia 419
1,790 Chronic liver disease including cirrhosis

938 Other COPD

Accidental falls 169
Accidents 2,711
4,631 External causes

336
Land transport accidents

Parkinson disease 55
Alzheimer disease 268
Diseases of the nervous system 1,261
306 Epilepsy

375
Certain infectious & parasitic diseases

Total years of life lost in Southampton in 2018-20 (pooled) 30,197

Stroke 853
Coronary heart disease 2,756

Circulatory diseases 5,358

Diabetes 333
624
Endocrine, nutritional and metabolic

Hypertensive diseases 214

Oesophageal cancer 395
Leukaemia 205
Non-hodgkins Lymphoma 139

Ovarian cancer 312

Mental and behavioural Disorders 231

Liver cancer 313
Kidney cancer 198
All Cancers 8,384
1,665 Lung cancer

COVID-19 406

766
558
667 Pancreatic cancer
927 Breast cancer

Colorectal cancer

Cancer of eye, brain and other parts of central nervous system
80 Malignant melanoma

The cause of death behind what people die from also varies by deprivation quintile
Mortality rates by **cause** comparing the **most deprived** quintile with the **least...**

All Causes

All age mortality
1.4x higher
Premature (u75) mortality
2.0x higher

Cancer

All age mortality
1.4x higher
Premature (u75) mortality
1.5x higher

Circulatory Disease

All age mortality
1.3x higher
Premature (u75) mortality
1.9x higher

COPD

All age mortality
2.9x higher

Note: Uses local deprivation quintiles

Current Long Term Conditions

Current chronic condition index

3+ Conditions	Dementia QOF	Hypertension
5+ Conditions	Depression	Hyperthyroidism
Age Related Macular Degeneration	Diabetes	Ischemic Heart Disease
Asthma	Falls Leading to Hospital Admission (over 65s)	Learning Disability
COPD	Frailty	Lower Back Pain
Chronic Renal Failure	Glaucoma	Rheumatoid Arthritis
Current smokers	Heart Failure	Seizure Disorders

The following set of maps shows the **most common diseases/conditions** in the city by **neighbourhood (LSOA).** The **percentage** (or **prevalence**) of a **disease** in each LSOA (a neighbourhood of 1,500 to 2,000 people) has been calculated using **GP data**.

We have **ranked** the **prevalence highest** to **lowest** for each **neighbourhood** and **split** the city by prevalence into **fifths** or **quintiles**, colouring neighbourhoods by which **quintile** the **neighbourhood prevalence ranks** within.

The top 5 LSOA's for a disease/condition with the **highest prevalence** are 'called out' with labels showing the LSOA codes, rank and prevalence.

Sometimes we use **quintiles** when looking at **deprivation,** the **quintiles** used **here** are **NOT deprivation related**, but used to show where the **top 20%** and **bottom 20% neighbourhoods** are, that have **residents** with a particular **disease** or **condition**.

The **GP data set** records if people have a **prescription** for a condition (**Rx**), been **diagnosed** for a condition (**ICD**) or **both (BTH).**

Below is the **coding frame** for the **GP data set** used to create the maps:

- Persistent asthma and Depression use **BTH**
- Rheumatoid Arthritis, Chronic Renal Failure, Chronic Heart Failure, Hyperlipidaemia, Hypertension, Age Related Macular Degeneration, Glaucoma, Hyperthyroidism, Immunosuppression/ Transplant, Osteoporosis, Parkinsons Disease, Seizure Disorder and Diabetes uses **ICD, BTH** and **Rx.**
- Low Back Pain, COPD, Ischemic Heart Condition and Bipolar Disorder use **ICD.**
- Patient with **yes/no flags** for Smokers, Learning Disability and frailty are used for these categories
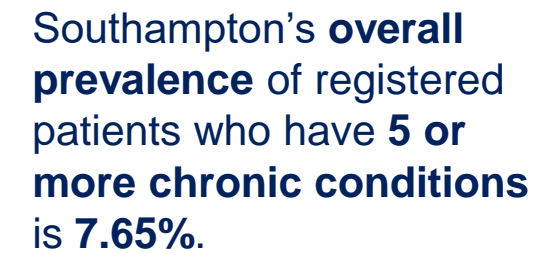
Crude percentage of Southampton registered patients who have 3 or more chronic conditions by LSOA, Sollis February 2021.
Southampton overall: 18.36%

E01017181
Rank 5: 29.34%

E01017182
Rank 1: 41.44%

E01017198
Rank 4: 29.51%

E01017162
Rank 3: 31.44%

E01017260
Rank 2: 31.66%

Coxford
Bassett
Swaythling
Redbridge
Shirley
Portswood
Bitterne Park
Harefield
Millbrook
Freemantle
Bevois
Bitterne
Peartree
Sholing
Bargate
Woolston

Southampton prevalence in quintiles

- 20% neighbourhoods with lowest prevalence [30]
- 2nd quintile [29]
- 3rd quintile [30]
- 4th quintile [29]
- 20% neighbourhoods with highest prevalence [30]
- LSOA boundaries
- Ward boundaries

0.0 0.5 1.0
Kilometers

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SOLLIS Clarity 2021

Southampton's **overall crude percentage** of registered patients who have **3 or more chronic conditions** is **18.36%**.

All **top 5 LSOA's** are the **more deprived area's** of the city. In the **top LSOA**, E01017182, **two-fifths** of patients have 3 or more chronic conditions.

Crude percentage of Southampton registered patients who have 5 or more chronic conditions by LSOA, Sollis February 2021.
Southampton overall: 7.65%

E01017182
Rank 1: 21.90%

E01017241
Rank 5: 13.77%

E01017211
Rank 2: 14.58%

E01017162
Rank 4: 14.41%

E01017260
Rank 3: 14.58%

Coxford
Bassett
Swaythling
Redbridge
Shirley
Portswood
Bitterne Park
Harefield
Millbrook
Bevois
Bitterne
Freemantle
Peartree
Sholing
Bargate
Woolston

Southampton prevalence in quintiles

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N

0.0 0.5 1.0
Kilometers

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SOLLIS Clarity 2021

Southampton's **overall prevalence** of registered patients who have **5 or more chronic conditions** is **7.65%**.

All top 5 LSOA's are the more deprived area's of the city. In the top LSOA, E01017182, Just over a **fifth** of patients have **5 or more chronic conditions**.

Crude percentage of Southampton registered patients with age related macular degeneration aged 15 plus, by LSOA, Sollis February 2021. Southampton overall: 1.07%

E01017150
Rank 4: 2.73%

E01017182
Rank 1: 4.12%

E01017201
Rank 3: 2.75%

E01017198
Rank 5: 2.71%

E01017162
Rank 2: 3.53%

Southampton prevalence in quintiles

- 20% neighbourhoods with lowest prevalence [30]
- 2nd quintile [30]
- 3rd quintile [29]
- 4th quintile [29]
- 20% neighbourhoods with highest prevalence [30]
- LSOA boundaries
- Ward boundaries

Source: Sollis Clarity 2021 © Crown copyright and database rights 2021 Ordnance Survey 0100019679

Three out of the **top five** LSOA's with a **high prevalence** of **age related macular degeneration** are within the **East side** of the city.

The **overall prevalence** of registered patients with age related macular degeneration in **Southampton** is **1.07%.**

Crude percentage of Southampton registered patients with persistent asthma by LSOA, Solllis February 2021. Southampton overall: 6.47%

E01017181
Rank 4: 10.40%

E01017182
Rank 5: 10.06%

E01017245
Rank 3: 10.86%

E01017240
Rank 2: 11.05%

E01017237
Rank 1: 11.68%

Southampton prevalence in quintiles

- 20% neighbourhoods with lowest prevalence [30]
- 2nd quintile [29]
- 3rd quintile [30]
- 4th quintile [29]
- 20% neighbourhoods with highest prevalence [30]
- LSOA boundaries
- Ward boundaries
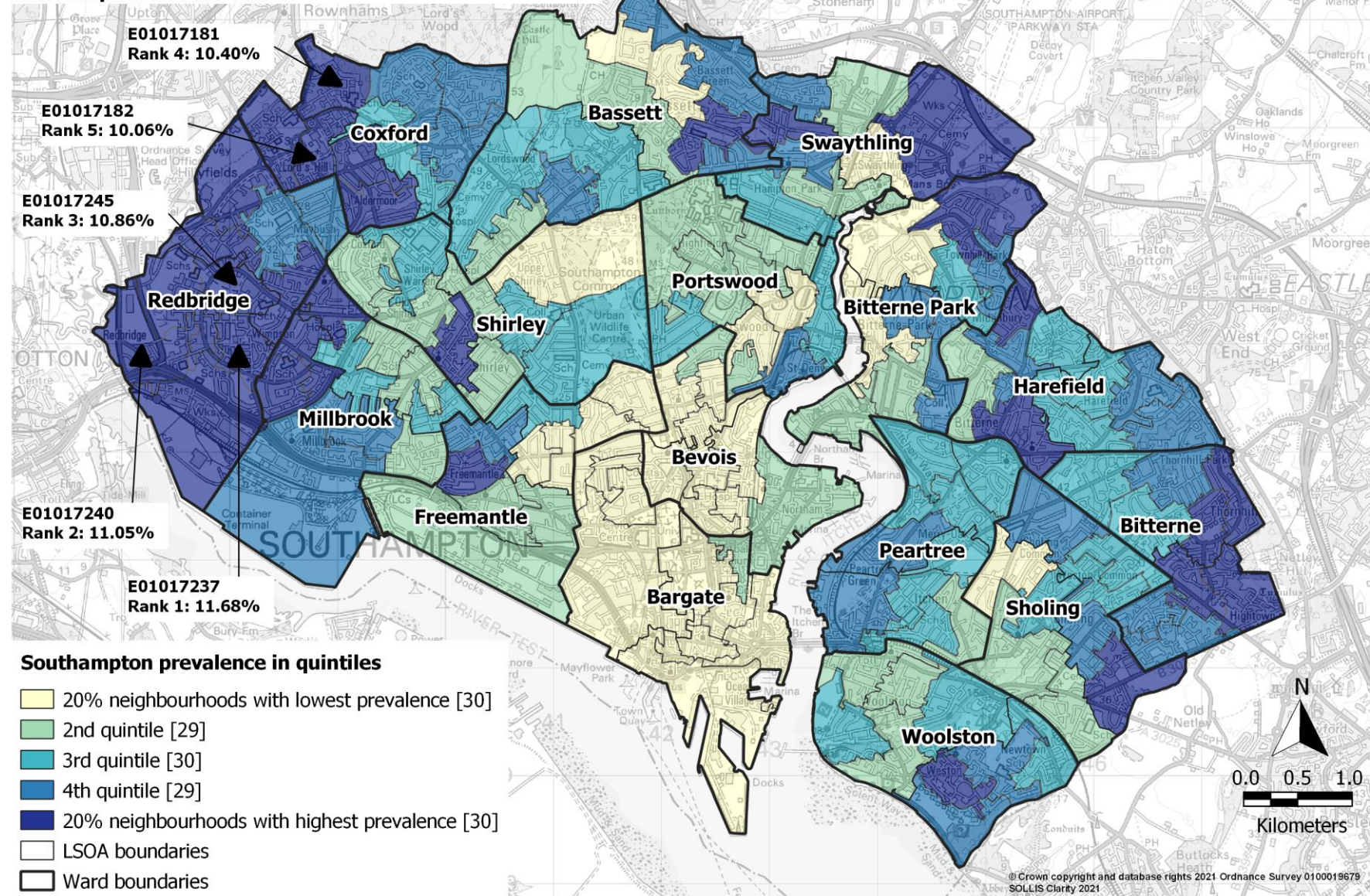
In February 2021, the Sollis Clarity data shows there were 14,553 people on GP asthma registers in Southampton giving a crude prevalence for **asthma** of **6.47%**.

The top 5 LSOA's with the **highest prevalence** are all on the **West** side of the city, with the top 3 LSOA's with the **highest** prevalence in the **Redbridge** ward.

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SOLLIS Clarity 2021

Crude percentage of Southampton registered patients with COPD by LSOA, Solllis February 2021. Southampton overall: 2.52%
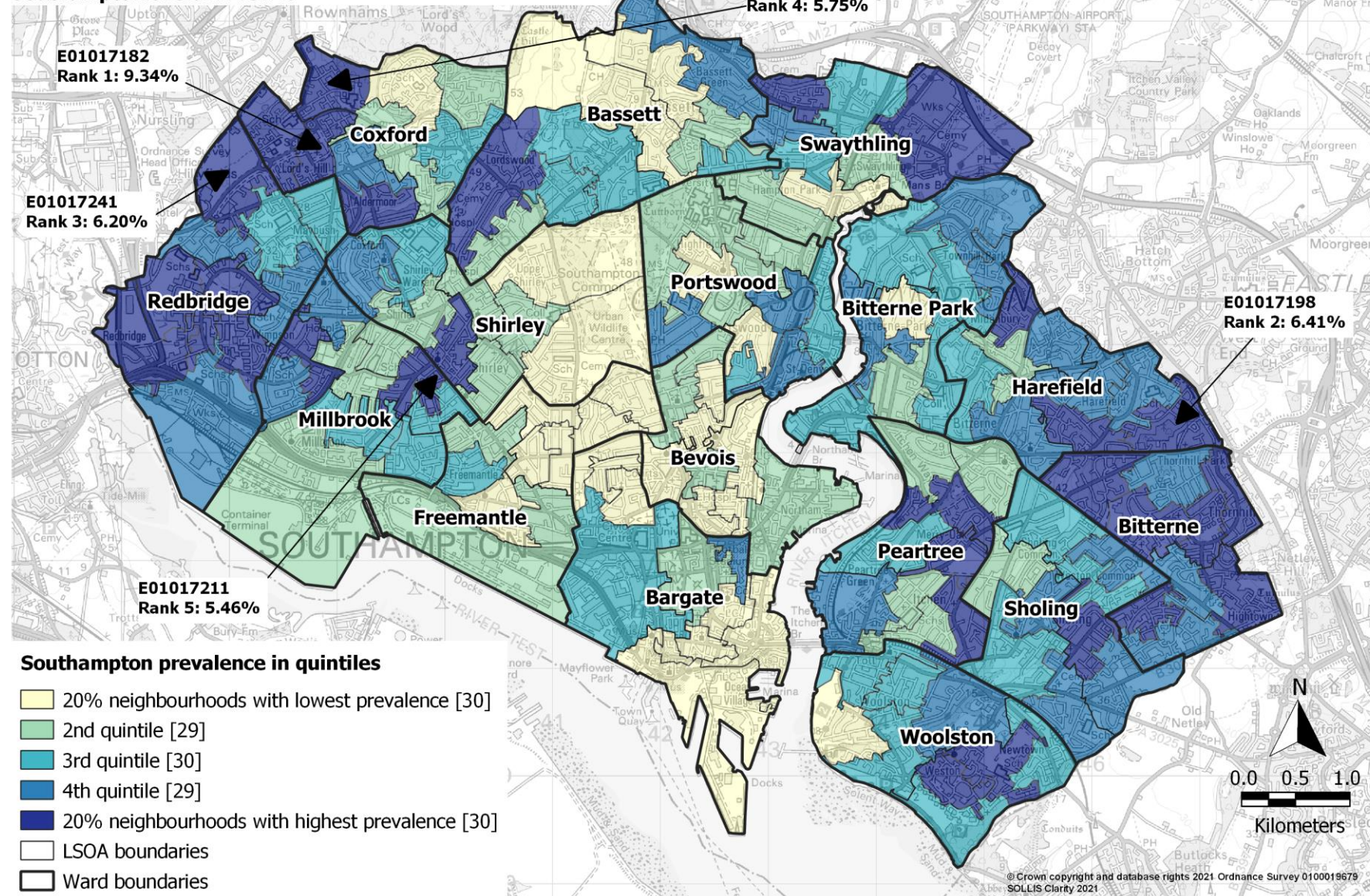
In February 2021, there were 5,666 registered patients recorded by Southampton GPs on COPD registers in Southampton. The **overall prevalence** of people with **COPD** in Southampton is **2.52%.**

There is a **higher prevalence** within the LSOA's that are **more deprived** on the edges of the city.

Crude percentage of Southampton registered patients with chronic renal failure by LSOA, Sollis February 2021.
Southampton overall: 2.15%

E01017150
Rank 3: 5.61%

E01017182
Rank 1: 8.06%

E01017211
Rank 2: 6.36%

E01017199
Rank 4: 5.10%

E01017162
Rank 5: 4.84%

Southampton prevalence in quintiles

- 20% neighbourhoods lower prevalence [30]
- 2nd quintile [29]
- 3rd quintile [30]
- 4th quintile [29]
- 20% neighbourhoods higher prevalence [30]
- LSOA boundaries
- Ward boundaries

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Source: SOLLIS Clarity 2021
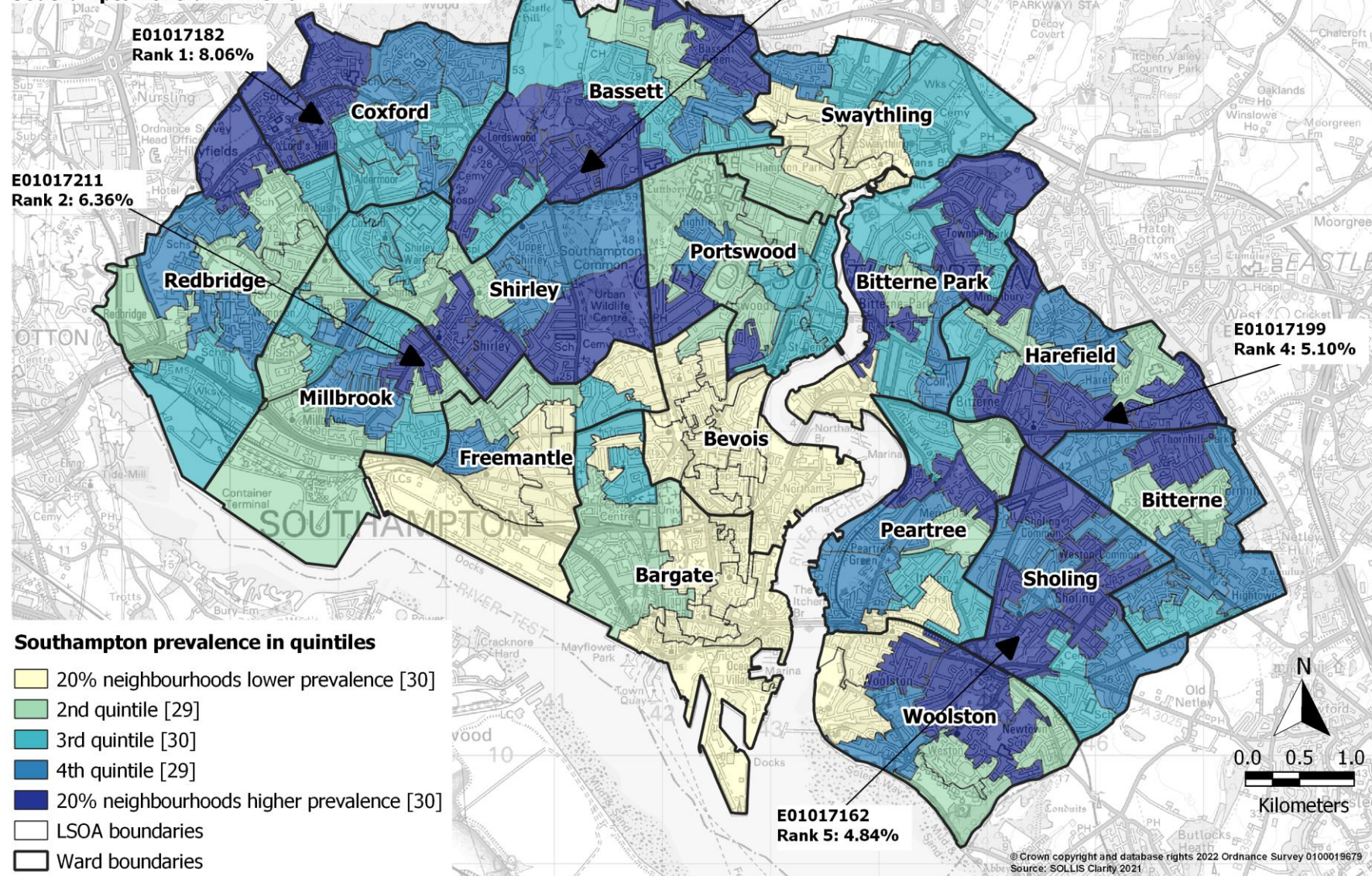
The **overall prevalence** of people in Southampton with **chronic renal failure** in February 2021 was **2.15%.**

Patients with chronic renal failure is spread across the city. The LSOA with the **highest prevalence** is E01017182, situated in the **Coxford ward**.

Crude percentage of Southampton registered patients who are current smokers by LSOA, Sollis February 2021. Southampton overall: 21.29%
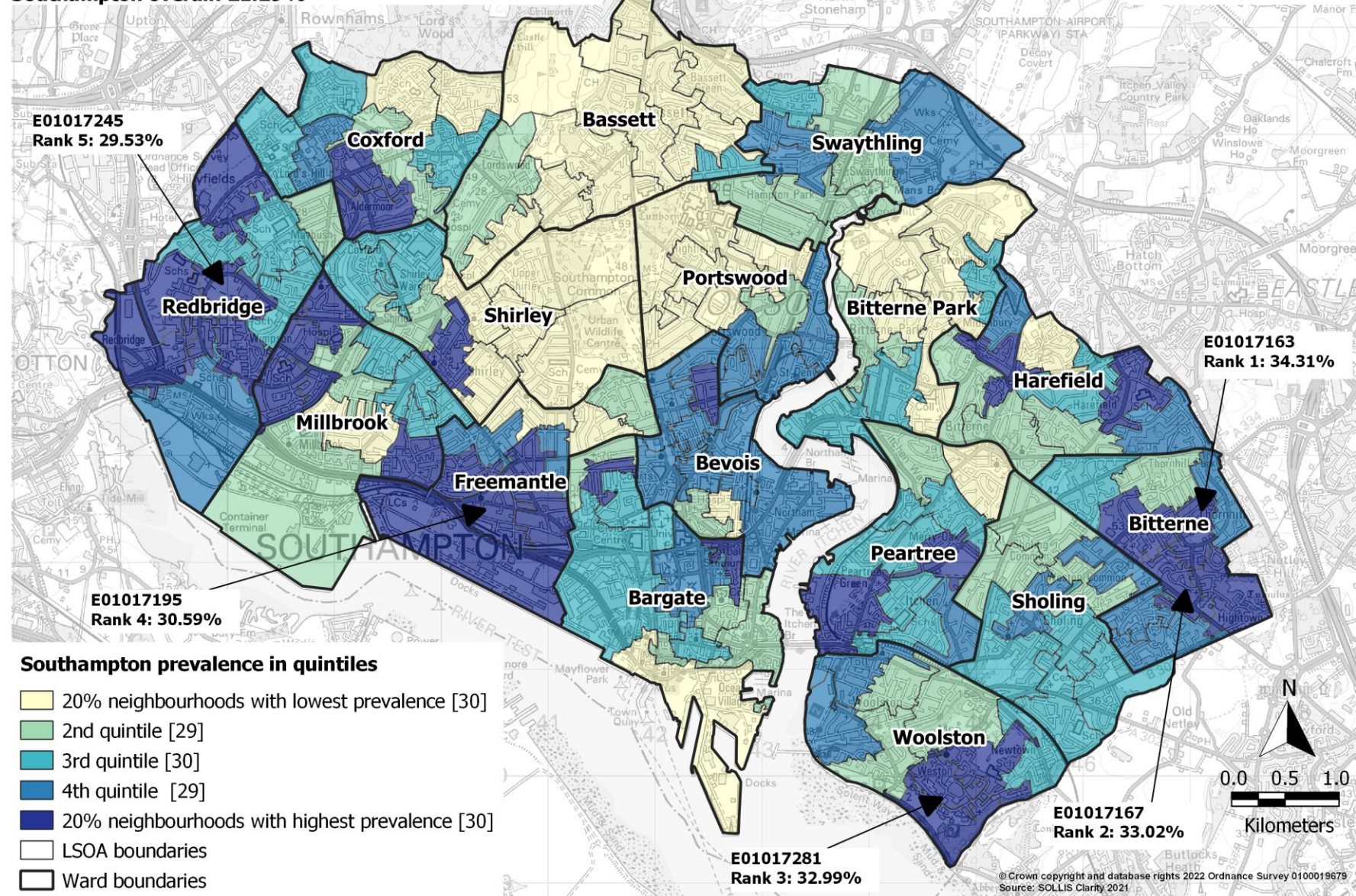
The **overall prevalence** of GP registered patients who said they **currently smoke** is **21.29%**. Ex smokers is 18.95% and non-smokers is 59.76%.

The **top 3 LSOA's** with the **highest prevalence** are on the **East side** of the city. The **top LSOA**, E01017163, situated in the **Bitterne ward** has a crude percentage of **34.31%**.

Crude percentage of Southampton registered patients with dementia by LSOA, Sollis February 2021.
Southampton overall: 0.59%

E01017227
Rank 3: 3.30%

E01017225
Rank 2: 3.98%

E01017137
Rank 1: 4.03%

E01017273
Rank 4: 3.14%

E01017275
Rank 5: 3.07%

Southampton prevalence in quintiles

- 20% neighbourhoods lower prevalence [31]
- 2nd quintile [28]
- 3rd quintile [31]
- 4th quintile [28]
- 20% neighbourhoods higher prevalence [30]
- LSOA boundaries
- Ward boundaries

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Source: SOLLIS Clarity 2021

The **overall prevalence** of people in Southampton with **dementia** in February 2021 was **0.59%.**

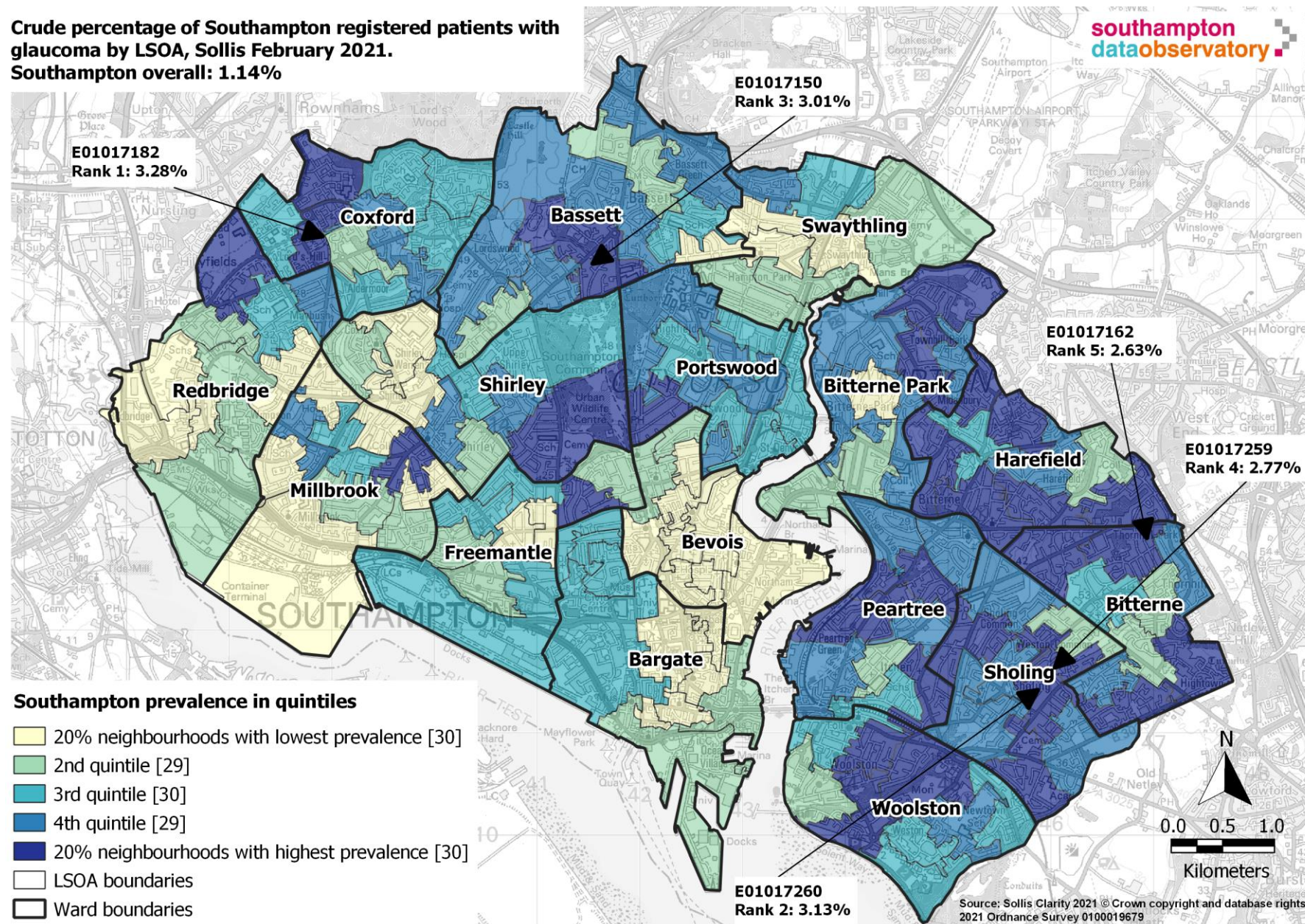The LSOA with the **highest prevalence** is E0101737, situated in the **Bargate ward**.

The **top 5 LSOA's** with the **highest prevalence** are in the **central** and **east** side of the city.
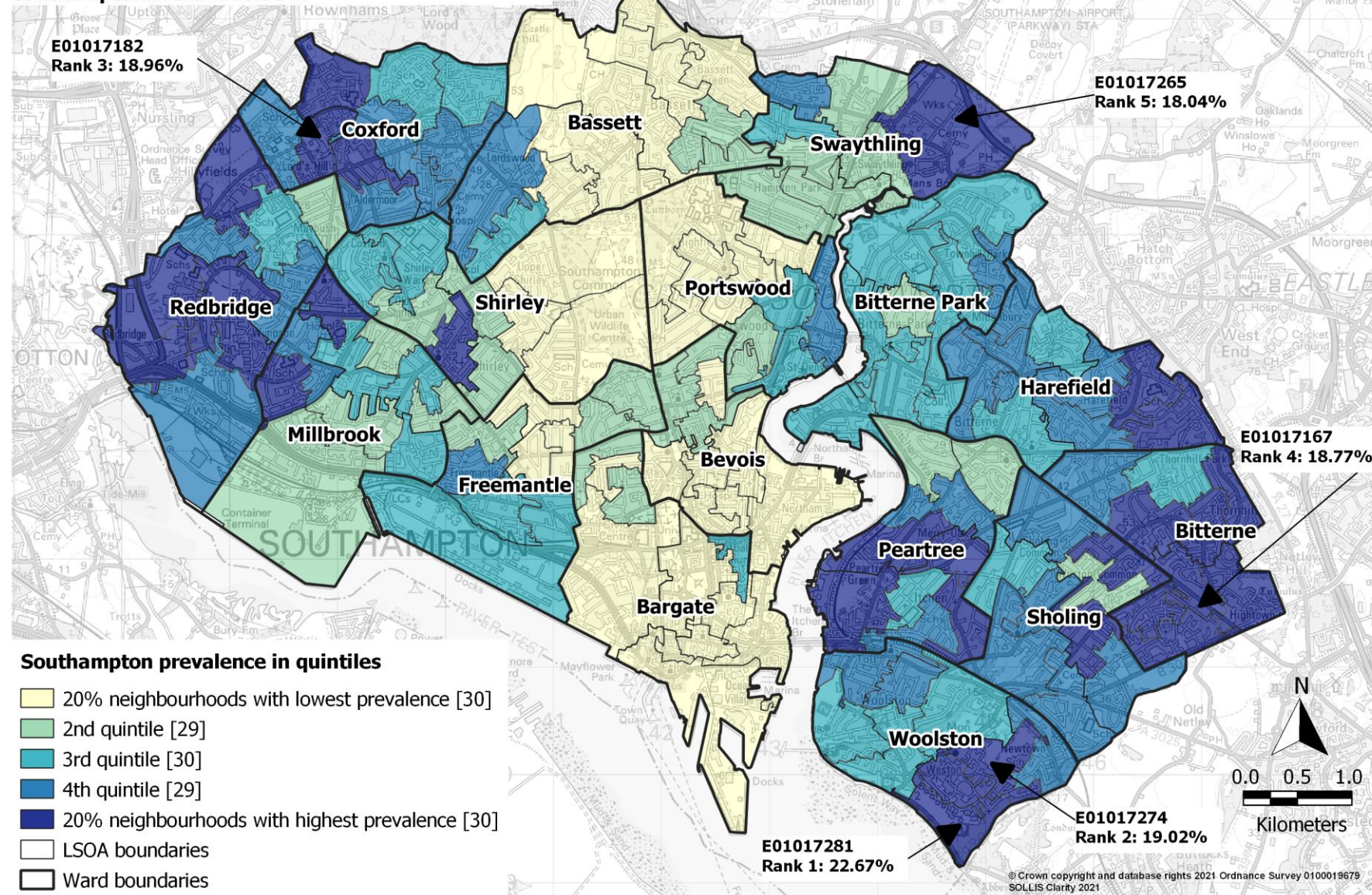
Crude Percentage of Southampton registered patients aged 15 plus with Diabetes by LSOA, Sollis February 2021.
Southampton overall: 7.23%

E01017270
Rank 5: 10.71%

E01017182
Rank 1: 15.58%

E01017241
Rank 2: 12.37%

E01017165
Rank 4: 11.03%

E01017260
Rank 3: 11.70%

Southampton prevalence in quintiles
- 20% neighbourhoods with lowest prevalence [30]
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- 3rd quintile [30]
- 4th quintile [29]
- 20% neighbourhoods with highest prevalence [30]
- LSOA boundaries
- Ward boundaries

Source: Sollis Clarity February 2021.
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0100019679

Southampton's **overall prevalence** rate for registered patients **aged 15+** with **diabetes** is **7.23%**.

The **top 5 LSOA's** with the highest prevalence are **spread across the city**. The top 2 LSOA's are in the **West** of the city. LSOA E0107182 has the **highest prevalence of 15.58%**.

DSR of emergency hospital admissions due to
falls in people aged 65 and over by LSOA 2017/18
and 2018/19
Southampton overall: 3,352.77

southampton
dataobservatory

E01017157
Rank 2: 9,649.4

E01017225
Rank 5: 7,320.2

E01017137
Rank 1: 12,265.7

E01032750
Rank 3: 8,654.1

E01017153
Rank 4: 8,180.7

Southampton prevalence in quintiles

- 20% neighbourhoods with lowest prevalence [30]
- 2nd quintile [30]
- 3rd quintile [29]
- 4th quintile [29]
- 20% neighbourhoods with highest prevalence [30]
- LSOA boundaries
- Ward boundaries

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Hospital Episode Statistics

The **overall directly standardised rate (DSR)** of **emergency hospital admissions due to falls in people aged 65 and over** for 2017/18 and 2018/19 was **3,352.77.**

The LSOA with the **highest DSR** is E01017137, situated in the **Bargate ward**. **Central** Southampton has **4 of the top 5** LSOA's with the highest DSR rate.

Crude percentage of Southampton registered patients with frailty by LSOA, Sollis February 2021.
Southampton overall: 2.56%

E01017182
Rank 1: 9.56%

E01017241
Rank 5: 5.93%

E01017225
Rank 2: 6.59%

E01017275
Rank 3: 6.07%

E01017273
Rank 4: 6.01%

Southampton prevalence in quintiles

- 20% neighbourhoods lower prevalence [29]
- 2nd quintile [30]
- 3rd quintile [30]
- 4th quintile [29]
- 20% neighbourhoods higher prevalence [30]
- LSOA boundaries
- Ward boundaries

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Source: SOLLIS Clarity 2021

The **overall prevalence** of people in Southampton with **frailty** in February 2021 was **2.56%.**

The LSOA with the **highest prevalence** is E0101782, situated in the **Coxford ward**. The **top 5 LSOA's** are situated in the **East** and **West** of the city.

Crude percentage of Southampton registered patients with glaucoma by LSOA, Sollis February 2021. Southampton overall: 1.14%

E01017150
Rank 3: 3.01%

E01017182
Rank 1: 3.28%

E01017162
Rank 5: 2.63%

E01017259
Rank 4: 2.77%

E01017260
Rank 2: 3.13%

Coxford
Bassett
Swaythling
Redbridge
Shirley
Portswood
Bitterne Park
Harefield
Millbrook
Freemantle
Bevois
Bitterne
Peartree
Sholing
Bargate
Woolston

Southampton prevalence in quintiles

- 20% neighbourhoods with lowest prevalence [30]
- 2nd quintile [29]
- 3rd quintile [30]
- 4th quintile [29]
- 20% neighbourhoods with highest prevalence [30]
- LSOA boundaries
- Ward boundaries

0.0   0.5   1.0
Kilometers

Source: Sollis Clarity 2021 © Crown copyright and database rights 2021 Ordnance Survey 0100019679

Registered patients with **glaucoma** seem to be spread across the city. The **overall prevalence** is **1.14%**.

Three of the top five LSOA's are within the **Sholing** and **Bitterne ward**. The **highest prevalence** by LSOA is **3.28%** in Lordshill area, **Coxford**.

Crude percentage of Southampton registered patients with chronic heart failure by LSOA, Sollis February 2021. Southampton overall: 1.26%

E01017150
Rank 3: 3.01%

E01017182
Rank 1: 3.64%

E01017211
Rank 5: 2.82%

E01017198
Rank 4: 2.87%

E01017162
Rank 2: 3.58%

Coxford
Bassett
Swaythling
Redbridge
Shirley
Portswood
Bitterne Park
Harefield
Millbrook
Freemantle
Bevois
Peartree
Bitterne
Bargate
Sholing
Woolston

Southampton prevalence in quintiles

- 20% neighbourhoods with lowest prevalence [31]
- 2nd quintile [28]
- 3rd quintile [30]
- 4th quintile [30]
- 20% neighbourhoods with highest prevalence [29]
- LSOA boundaries
- Ward boundaries

Source: Sollis Clarity 2021 © Crown copyright and database rights 2021 Ordnance Survey 0100019679

The **overall prevalence** of people in Southampton with **chronic heart failure** in February 2021 was **1.26%.**

Patients with chronic heart failure are spread across the city. The LSOA with the **highest prevalence** is E01017182, in the **Lordshill** area, situated in the **Coxford ward**.

Hypertension

Crude percentage of Southampton registered patients with Hypertension by LSOA, Sollis February 2021.
Southampton overall: 11.96%

E0101782
Rank 1: 27.25%

E01017150
Rank 4: 21.42%

E01017162
Rank 2: 23.87%

E01017211
Rank 5: 20.76%

E01017260
Rank 3: 22.18%

Southampton prevalence in quintiles

- 20% neighbourhoods with lowest prevalence [30]
- 2nd quintile [29]
- 3rd quintile [30]
- 4th quintile [29]
- 20% neighbourhoods with highest prevalence [30]
- LSOA boundaries
- Ward boundaries
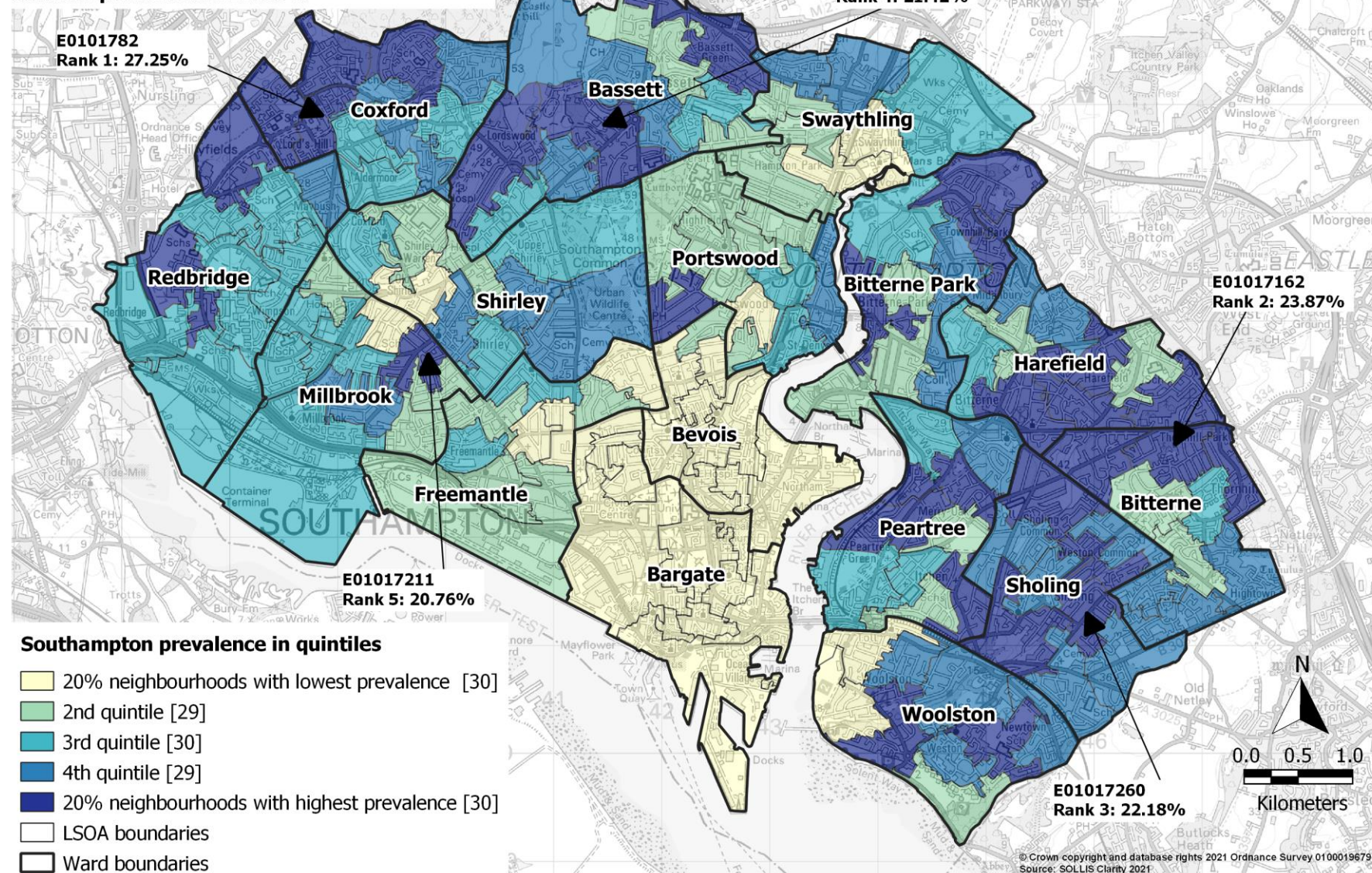
The **overall prevalence** of registered patients with **hypertension** in Southampton is **11.96%.**

There is a **higher prevalence** of hypertension within the **East side** of the city, however, the top 5 LSOA's with the **highest** prevalence are **spread across Southampton**.

The highest prevalence rate by LSOA is **27.25%** in the **Coxford ward**.

Crude percentage of Southampton registered patients with hyperthyroidism by LSOA, Sollis February 2021.
Southampton overall: 2.81%

E01017182
Rank 1: 5.56%

E01017200
Rank 5: 4.70%

E01017199
Rank 2: 5.18%

E01017198
Rank 3: 4.97%

E01017275
Rank 4: 4.73%

Coxford
Bassett
Swaythling
Portswood
Redbridge
Shirley
Bitterne Park
Millbrook
Harefield
Bevois
Freemantle
Bitterne
Peartree
Bargate
Sholing
Woolston

Southampton prevalence in quintiles

- 20% neighbourhoods lower prevalence [30]
- 2nd quintile [29]
- 3rd quintile [31]
- 4th quintile [28]
- 20% neighbourhoods higher prevalence [30]
- LSOA boundaries
- Ward boundaries

0.0 0.5 1.0
Kilometers

N

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Source: SOLLIS Clarity 2021

There is a **higher prevalence** of **hyperthyroidism** within the **East** of Southampton with **four** of the **top five** LSOA's here.

The overall prevalence of registered GP patients with hyperthyroidism is **2.81%** and the highest LSOA percentage being **5.56%** in **Lordshill, Coxford ward.**

Crude percentage of Southampton registered patients with ischemic heart disease by LSOA, Sollis February 2021. Southampton overall: 2.37%

E01017182
Rank 1: 7.35%

E01017211
Rank 2: 5.64%

E01017198
Rank 4: 4.81%

E01017162
Rank 3: 5.36%

E01017260
Rank 5: 4.74%

Coxford
Bassett
Swaythling
Redbridge
Shirley
Portswood
Bitterne Park
Harefield
Millbrook
Freemantle
Bevois
Peartree
Bitterne
Bargate
Sholing
Woolston

Southampton prevalence in quintiles

- 20% neighbourhoods with lowest prevalence [31]
- 2nd quintile [28]
- 3rd quintile [30]
- 4th quintile [30]
- 20% neighbourhoods with highest prevalence [29]
- LSOA boundaries
- Ward boundaries

0.0   0.5   1.0
Kilometers

Source: Sollis Clarity 2021 © Crown copyright and database rights 2021 Ordnance Survey 0100019679

The **overall prevalence** of registered patients with **ischemic heart disease** in Southampton is **2.37%.**

There is a **higher prevalence** of ischemic heart disease within the **East** side of the city with 3 out of the top 5 LSOA's being here. The **top LSOA** is situated in the **Coxford ward** with a crude percentage of **7.35%**.

Crude percentage of Southampton registered patients with a learning disability by LSOA, Solllis February 2021. Southampton overall: 0.54%

E01017152
Rank 2: 1.35%

E01017171
Rank 4: 1.24%

E01017158
Rank 3: 1.24%

E01017281
Rank 5: 1.23%

E01017273
Rank 1: 1.40%

Southampton prevalence in quintiles

- 20% neighbourhoods with lowest prevalence [30]
- 2nd quintile [31]
- 3rd quintile [30]
- 4th quintile [27]
- 20% neighbourhoods with highest prevalence [30]
- LSOA boundaries
- Ward boundaries

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SOLLIS Clarity 2021

The **overall prevalence** of patients who have a **learning disability** in Southampton is **0.54%**.

The **top 5 LSOA's** are **spread across the city,** with the highest LSOA prevalence being **1.40%**.

Crude percentage of Southampton registered patients with lower back pain by LSOA, Sollis February 2021. Southampton overall: 2.13%

E01017182
Rank 1: 4.21%

E01017176
Rank 5: 3.90%

E01017199
Rank 4: 3.92%

E01017198
Rank 2: 4.05%

E01017165
Rank 3: 3.94%

Southampton prevalence in quintiles

- 20% neighbourhoods with lowest prevalence [30]
- 2nd quintile [29]
- 3rd quintile [30]
- 4th quintile [29]
- 20% neighbourhoods with highest prevalence [30]
- LSOA boundaries
- Ward boundaries

Source: Sollis Clarity 2021 © Crown copyright and database rights 2021 Ordnance Survey 0100019679

0.0 0.5 1.0

Kilometers

The overall prevalence of **lower back pain** in Southampton is **2.13%.**

2 of the top 5 LSOA's with the **highest prevalence** are situated in the **Bitterne Ward**. However the LSOA with the **highest prevalence (4.21%)** is in the **Coxford ward**.

Crude percentage of Southampton registered patients with rheumatoid arthritis by LSOA, Sollis February 2021.
Southampton overall: 0.77%

Southampton prevalence in quintiles

- 20% neighbourhoods lower prevalence [30]
- 2nd quintile [29]
- 3rd quintile [30]
- 4th quintile [30]
- 20% neighbourhoods higher prevalence [29]
- LSOA boundaries
- Ward boundaries
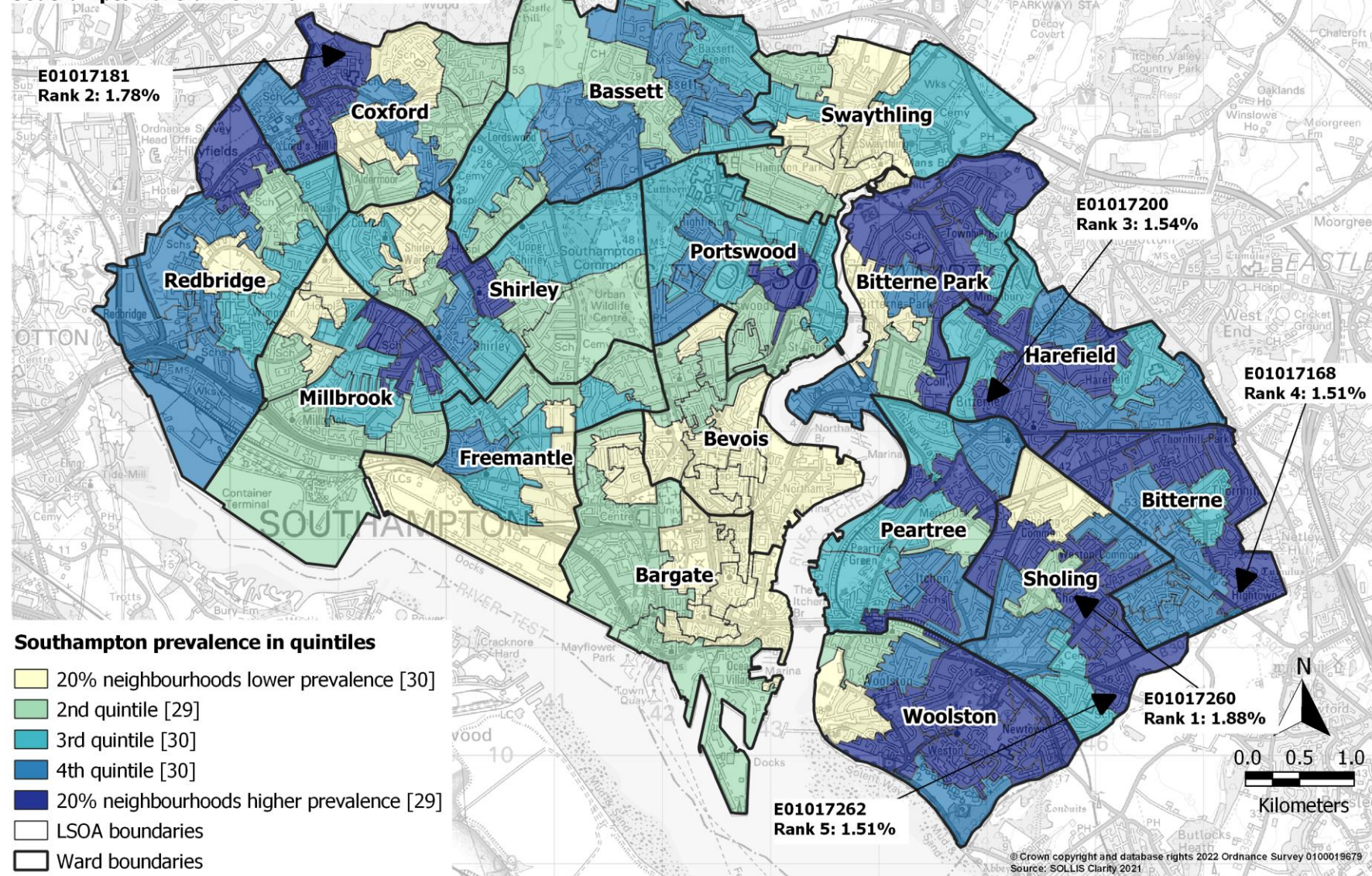
The **overall prevalence** of patients in Southampton with **arthritis** in February 2021 was **0.77%.**

The LSOA with the **highest prevalence** is E01017260, situated in the **Sholing ward**. There is a higher prevalence of people with arthritis in the East of the city.

Crude percentage of Southampton registered patients with seizure disorder by LSOA, Sollis February 2021.
Southampton overall: 1.34%

E01017182
Rank 1: 3.42%

E01017201
Rank 4: 2.39%

E01017250
Rank 2: 2.45%

E01017162
Rank 3: 2.42%

E01017217
Rank 5: 2.39%

Southampton prevalence in quintiles
- 20% neighbourhood lower prevalence [30]
- 2nd quintile [30]
- 3rd quintile [30]
- 4th quintile [28]
- 20% neighbourhood higher prevalence [30]
- LSOA boundaries
- Ward boundaries

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Source: SOLLIS Clarity 2021

The prevalence of **seizure disorder** seems to be spread across the city with an **overall prevalence** of **1.34%**.

The top LSOA with the **highest prevalence** is E01017182, which is within the **Coxford ward**, with a prevalence of **3.42%.**

Forecasted Long Term Conditions

- In light of an **ageing population**, increases in **morbidity** and a reduction in **resources**, future projections of chronic conditions and how this translates into demand for services are needed

- 2 areas of modelling; CCG and SCC perspectives have been considered

  - CCG – chronic conditions and long-term support

  - SCC – adult social care by primary support reason

- Two types of forecast

  - Level of underlying need in the population

  - Volume of need which may require service provision

- All forecasts are based on Southampton *resident* population due to the nature of the readily available population forecasts

Fixed Prevalence Modelling

The **current prevalence** rate for each condition is combined with future population forecast to calculate future number of cases.

(this has been calculated for all conditions)

Variable Prevalence Modelling

The current prevalence rate for each condition is combined with **recent trend** in prevalence and future population forecast to calculate future number of cases.

The recent trend is used to forecast future prevalence rates. These results need extra caution, recent changes in prevalence may be due to other factors.

(this has been calculated for conditions where recent trend data is available)

Predicted population

southampton dataobservatory
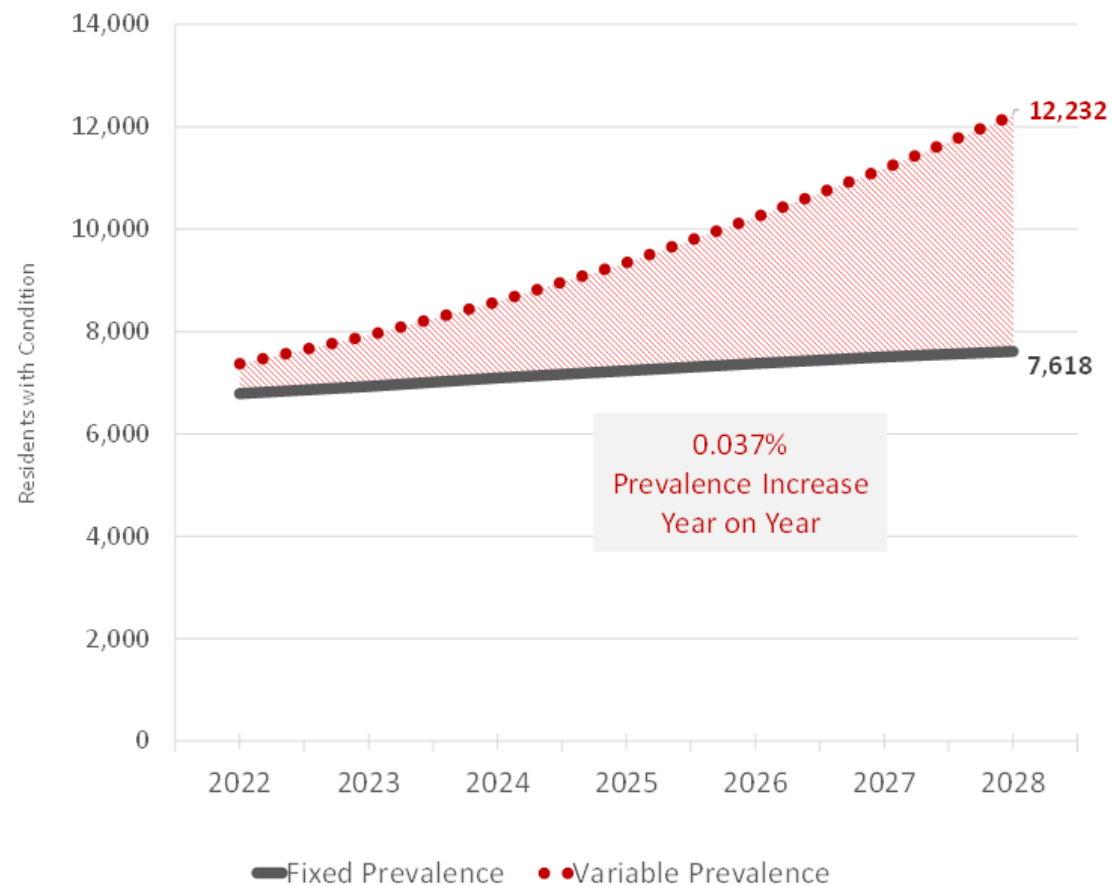
Total percentage change between 2021 and 2028 Southampton

6.3%

Aged 0-15 change between 2021 and 2028 Southampton

-2.7%

Aged 16-64 change between 2021 and 2028 Southampton

6.2%

Aged 65+ change between 2021 and 2028 Southampton

17.4%

Percentage change in population between 2021 and 2028 Southampton

Age group	Percentage change
Aged 90+	21.2%
Aged 85-89	16.2%
Aged 80-84	35.7%
Aged 75-79	15.4%
Aged 70-74	1.9%
Aged 65-69	23.4%
Aged 60-64	18.4%
Aged 55-59	1.3%
Aged 50-54	-3.4%
Aged 45-49	8.1%
Aged 40-44	12.4%
Aged 35-39	10.9%
Aged 30-34	4.4%
Aged 25-29	-1.2%
Aged 20-24	3.8%
Aged 15-19	14.5%
Aged 10-14	1.5%
Aged 05-09	-10.8%
Aged 00-04	-2.3%
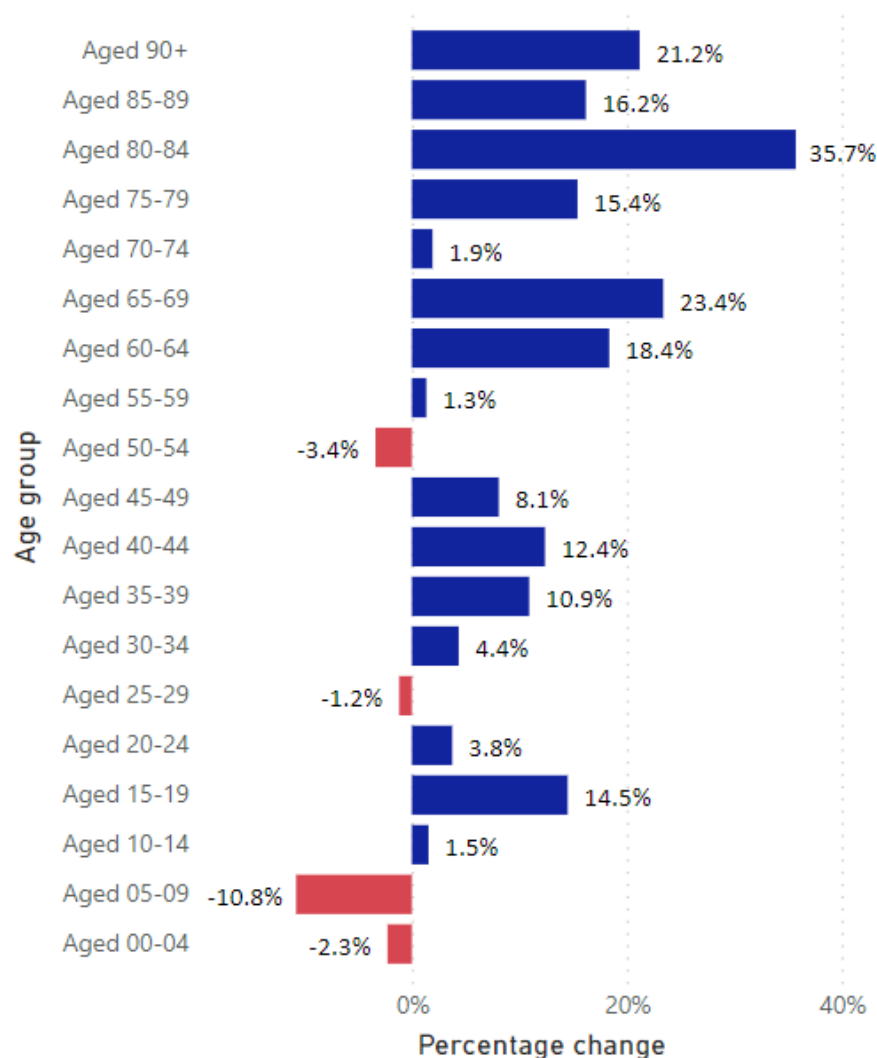
Change by age groups between 2021 and 2028 Southampton

Age group	Female	Male	Total
Aged 00-04	-222	-98	**-320**
Aged 05-09	-702	-894	**-1,596**
Aged 10-14	129	87	**216**
Aged 15-19	1,381	1,576	**2,957**
Aged 20-24	496	639	**1,135**
Aged 25-29	-265	1	**-264**
Aged 30-34	206	680	**886**
Aged 35-39	731	1,191	**1,922**
Aged 40-44	791	1,060	**1,851**
Aged 45-49	633	518	**1,151**
Aged 50-54	-317	-165	**-482**
Aged 55-59	124	68	**192**
Aged 60-64	1,111	1,091	**2,202**
Aged 65-69	1,166	1,107	**2,273**
Aged 70-74	104	79	**183**
Aged 75-79	572	572	**1,144**
Aged 80-84	946	968	**1,914**
Aged 85-89	215	370	**585**
Aged 90+	210	322	**532**
Total	**7,309**	**9,172**	**16,481**

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Predicted population by locality

Forecast Change in Population by Southampton Locality
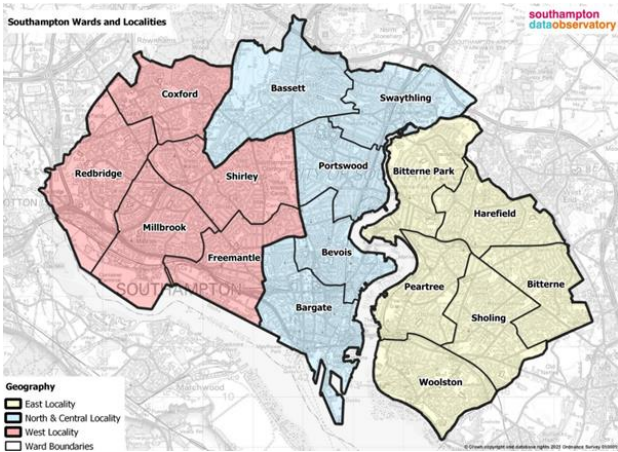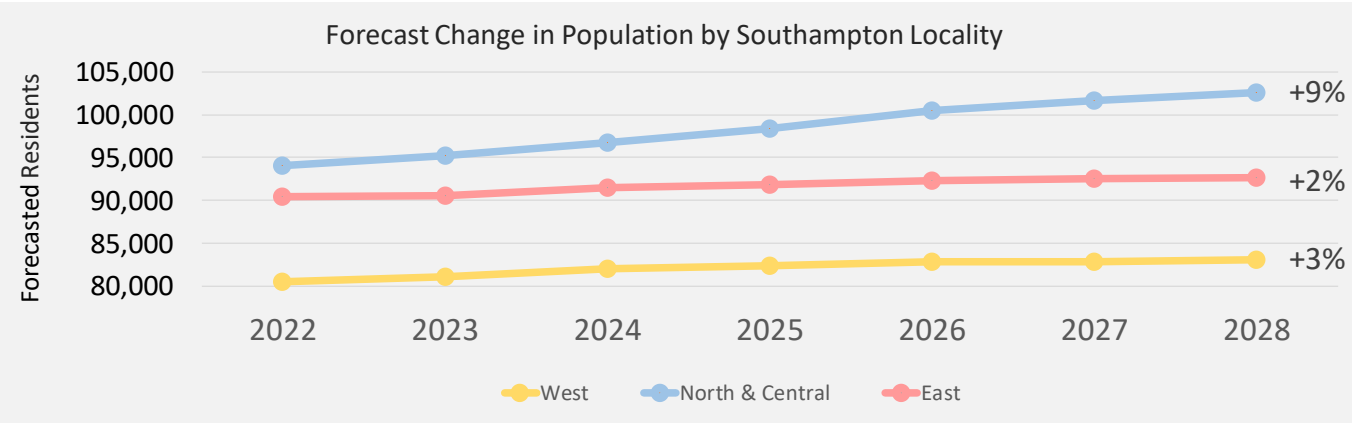
Forecast Change in Population by Age-Band and Southampton Locality (2022 - 2028)

	0 to 19	20 to 39	40 to 59	60 to 79	80+	Total
West	-143	532	69	1,259	782	2,525
North & Central	1,376	1,607	2,661	2,017	882	8,523
East	-409	534	-450	1,513	1,036	2,223
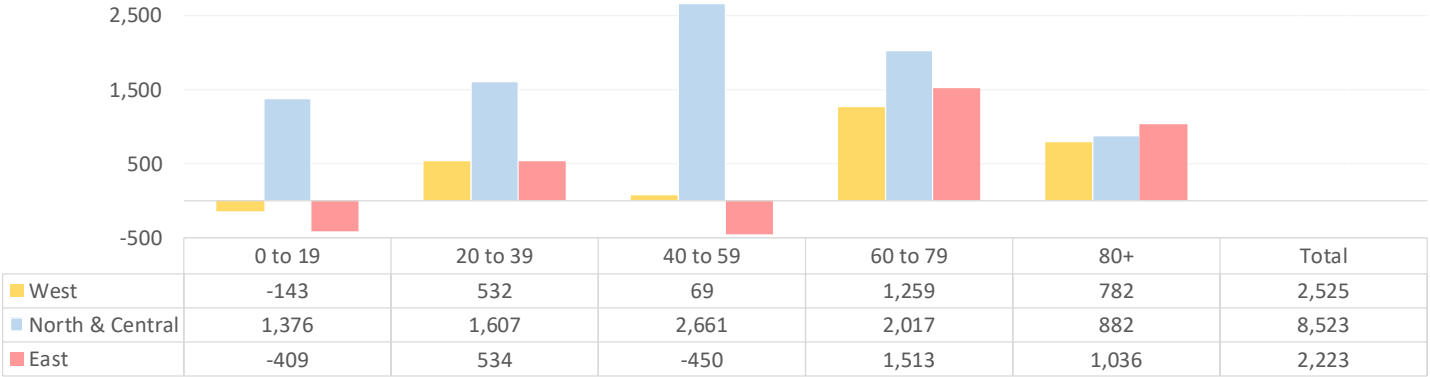
- North & Central Southampton population growing at a faster rate (+9% by 2028)

- Most growth for West & East is in people over 60

- Significant growth for North & Central across all age-bands, highest in 40 to 59 age-band

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Chronic condition forecasts

Forecasted Change in Number of Cases (2022-2028) vs. Largest Age-Band for Each Condition*

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast
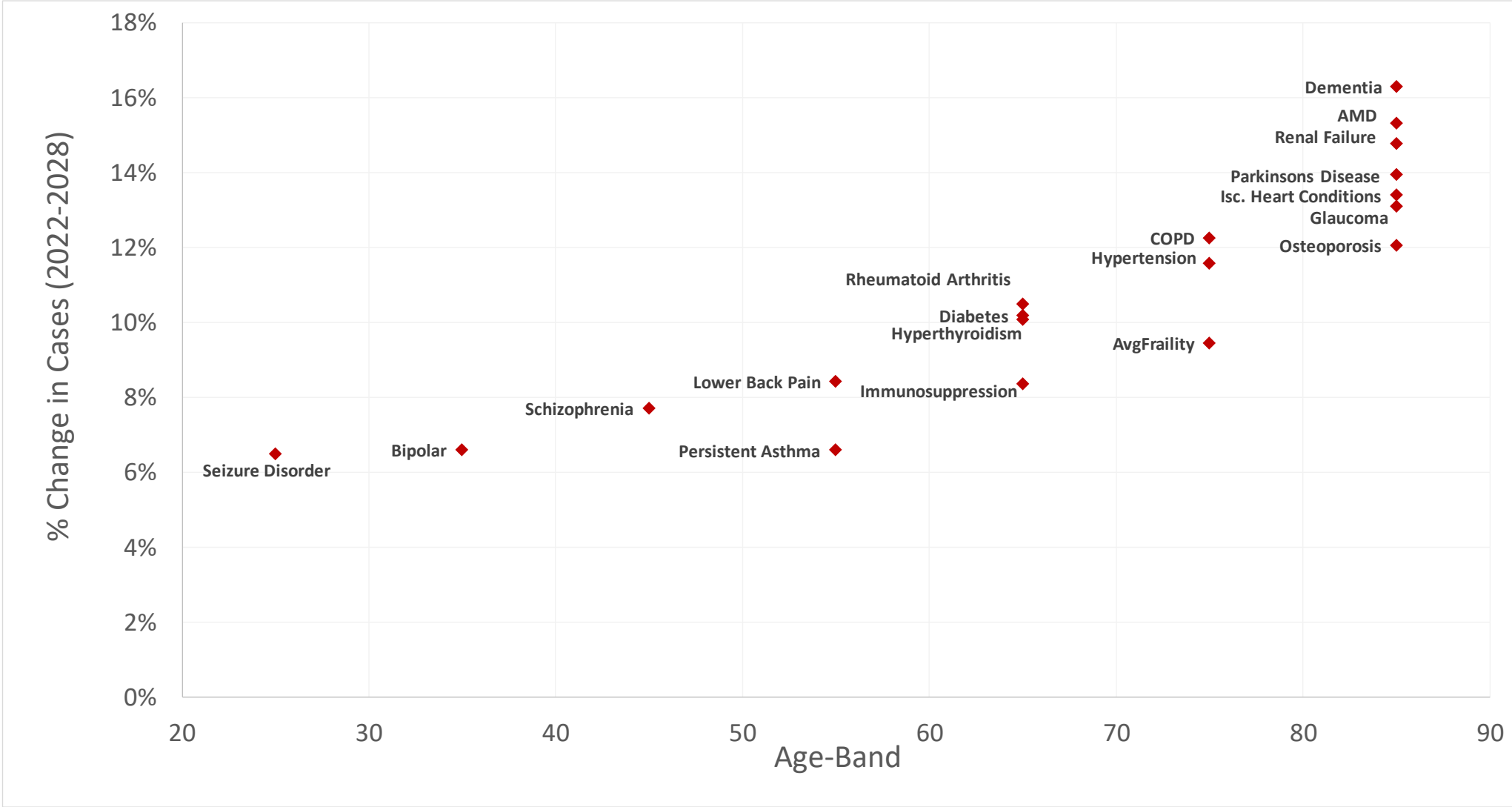
*Largest age-band by total number of cases for each condition

Chronic condition forecast index

3+ Conditions	Diabetes	Hyperthyroidism	Parkinson's Disease
5+ Conditions	Diabetes (Variable Prevalence)	Hyperthyroidism (Variable Prevalence)	Persistent Asthma
Age Related Macular Degeneration	Falls Leading to Hospital Admission (over 65s) Forecasts	Immunosuppression	Persistent Asthma (Variable Prevalence)
Bipolar	Frailty	Ischemic Heart Conditions	Rheumatoid Arthritis
Chronic Renal Failure	Glaucoma	Learning Disability	Rheumatoid Arthritis (Variable Prevalence)
COPD	Heart Failure	Learning Disability (Variable Prevalence)	Schizophrenia
COPD (Variable Prevalence)	Heart Failure (Variable Prevalence)	Lower Back Pain	Seizure Disorder
Dementia	Hypertension	Osteoporosis	Need for Help with 5 or More ADL
Dementia (Variable Prevalence)	Hypertension (Variable Prevalence)	Osteoporosis (Variable Prevalence)	

3+ Conditions

Prevalence of 3+ Conditions in Southampton (2021 Baseline)
Source: Modelled data using Sollis patient data

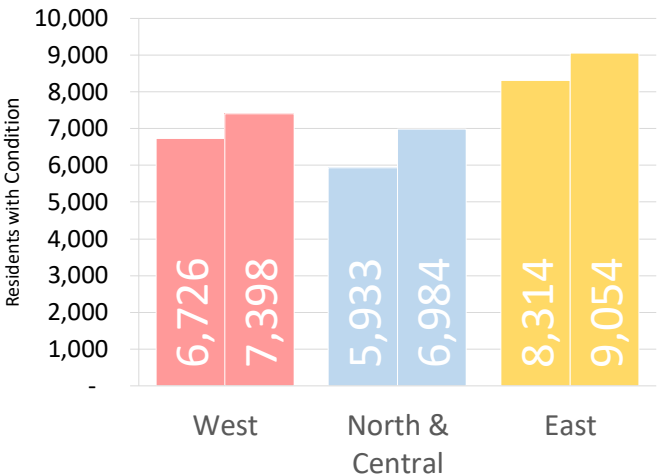### Cases per 1,000 Residents

294 With 3+ Conditions

706 Without

Forecasted Number of Southampton Residents with 3+ Conditions 2022 - 2028
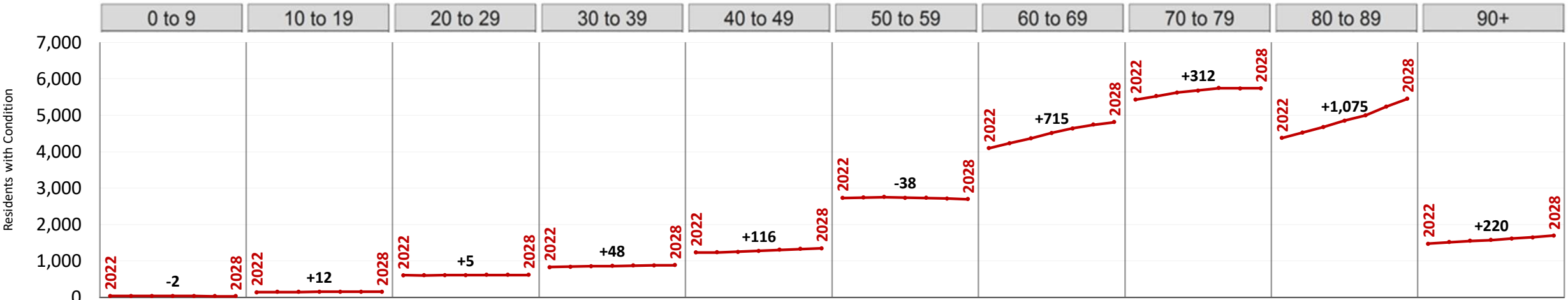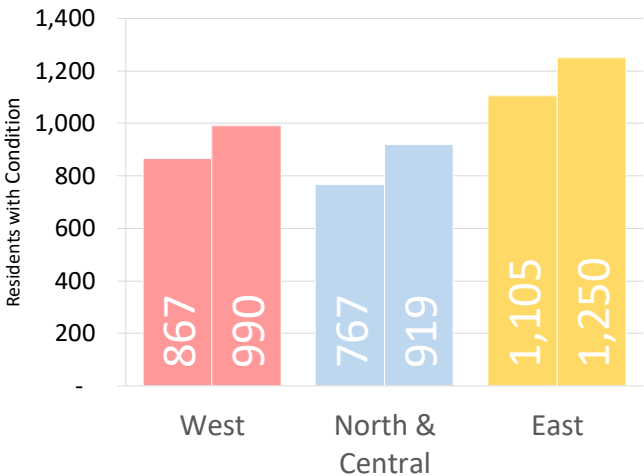Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+10% Increase by 2028

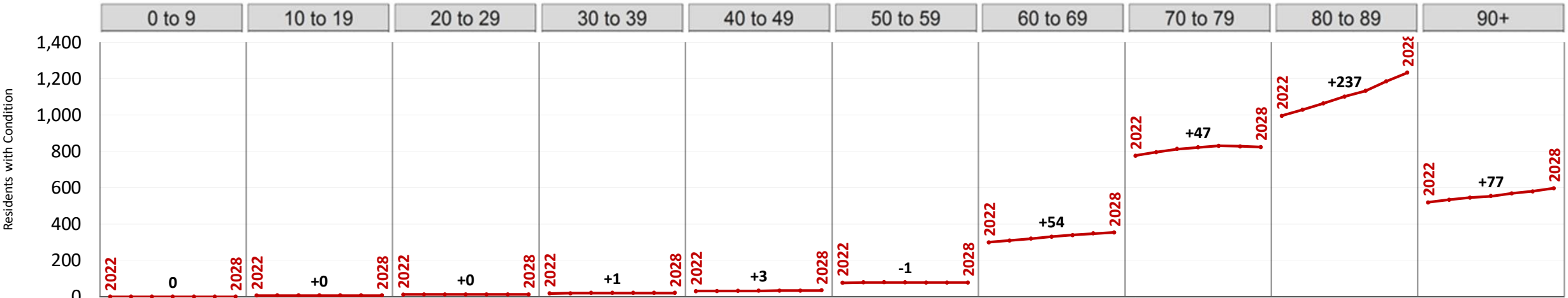| Year	Residents with Condition	Increase
2022	49,169	
2023	50,000	+832
2024	50,956	+1,787
2025	51,792	+2,623
2026	52,667	+3,498
2027	53,367	+4,199
2028	53,987	+4,818

Forecasted Southampton Residents with 3+ Conditions by Locality (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	15,628	16,862
North & Central	14,706	16,977
East	18,835	20,148

Forecasted Southampton Residents with 3+ Conditions by Age-Band (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change 2022 to 2028
0 to 9	-13
10 to 19	+89
20 to 29	+33
30 to 39	+219
40 to 49	+437
50 to 59	-116
60 to 69	+1,582
70 to 79	+570
80 to 89	+1,692
90+	+325

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base
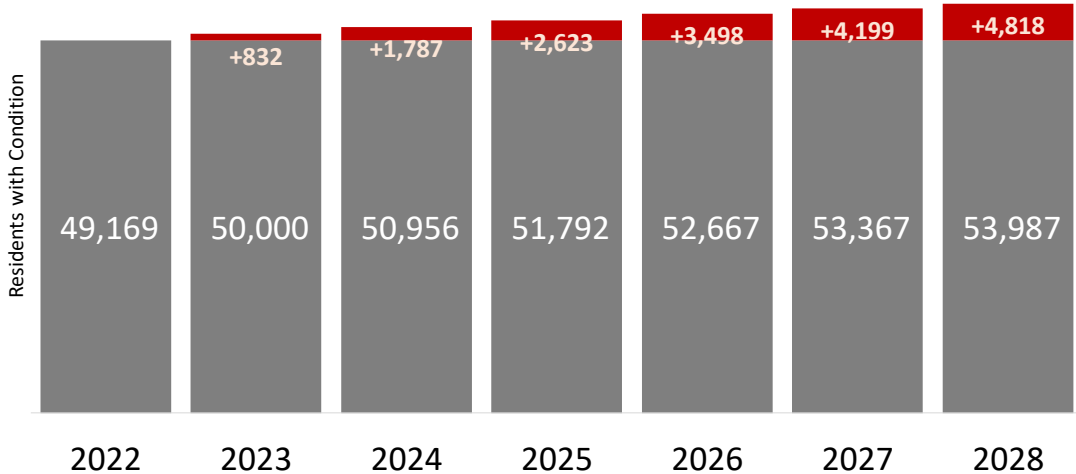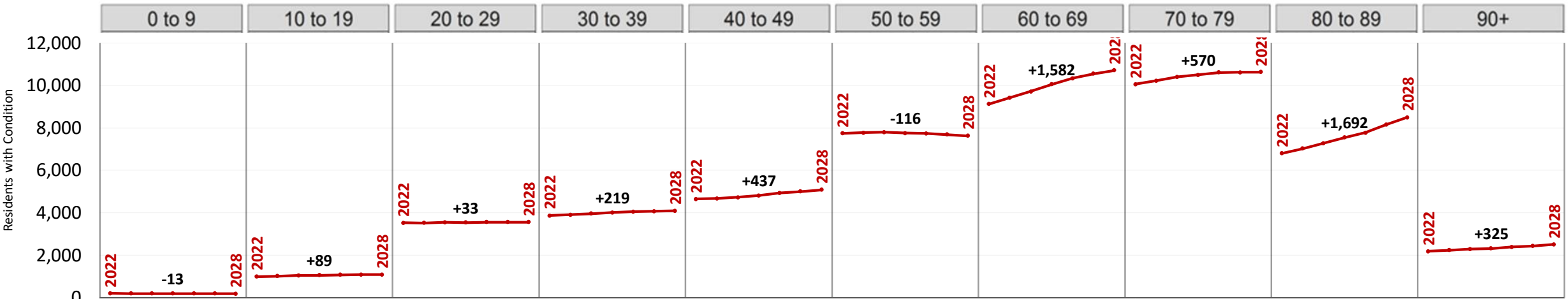
5+ Conditions

Prevalence of 5+ Conditions in Southampton (2021 Baseline)
Source: Modelled data using Sollis patient data
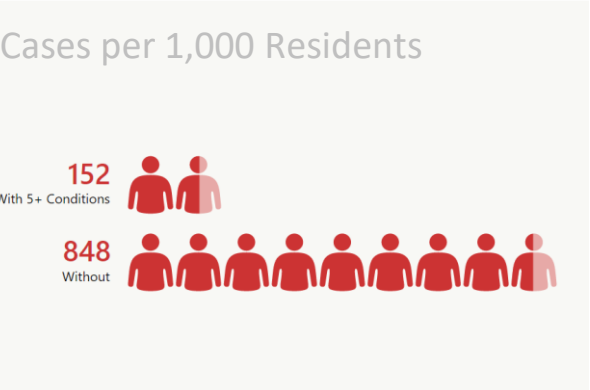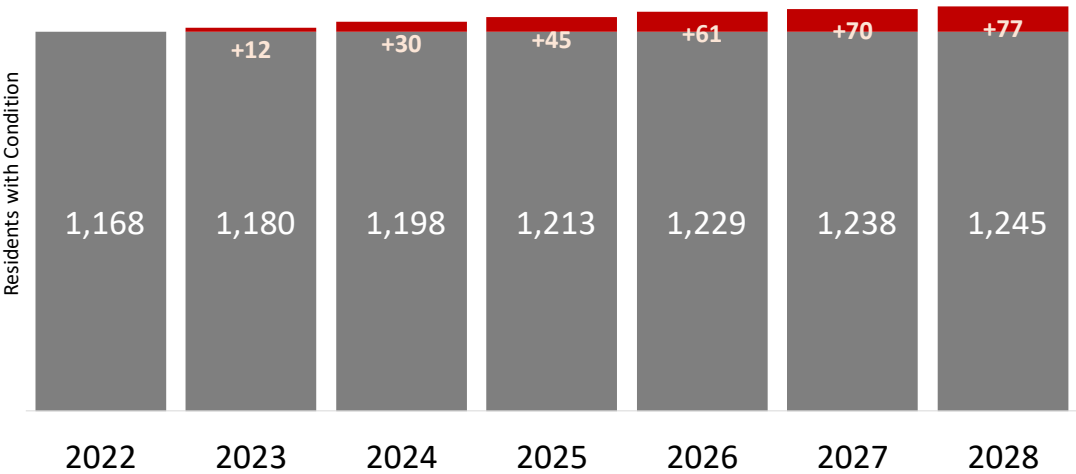
Cases per 1,000 Residents

152 With 5+ Conditions

848 Without

Forecasted Number of Southampton Residents with 5+ Conditions 2022 - 2028
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+12% Increase by 2028

2022	2023	2024	2025	2026	2027	2028
	+436	+901	+1,321	+1,743	+2,122	+2,462
20,973	21,409	21,875	22,294	22,716	23,095	23,436

Forecasted Southampton Residents with 5+ Conditions by Locality (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

West	North & Central	East
6,726 / 7,398	5,933 / 6,984	8,314 / 9,054

Forecasted Southampton Residents with 5+ Conditions by Age-Band (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 vs 2028)
0 to 9	-2
10 to 19	+12
20 to 29	+5
30 to 39	+48
40 to 49	+116
50 to 59	-38
60 to 69	+715
70 to 79	+312
80 to 89	+1,075
90+	+220

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base
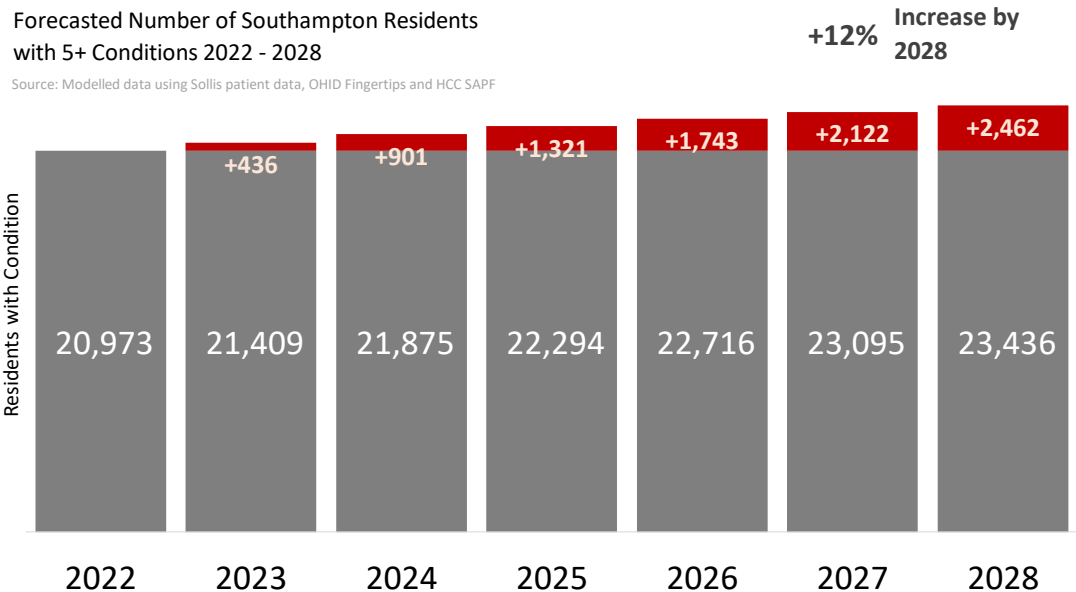
Age Related Macular Degeneration

Prevalence of AMD in
Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

29 With AMD

971 Without

Forecasted Number of Southampton Residents
with AMD 2022 - 2028

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF
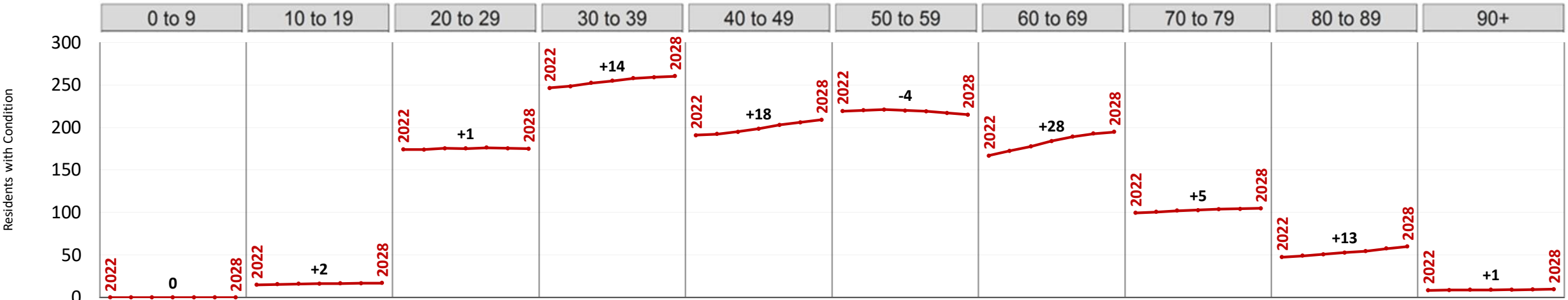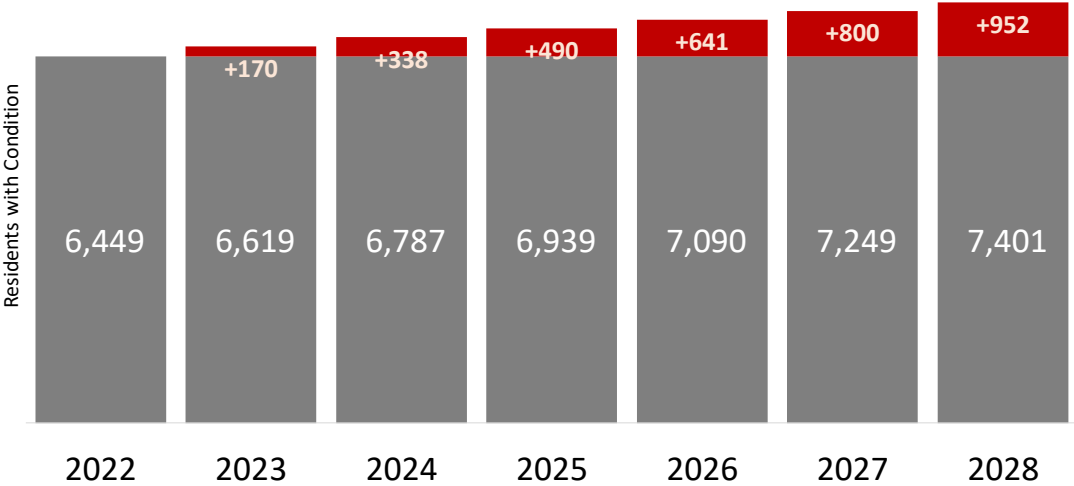
+15% Increase by 2028

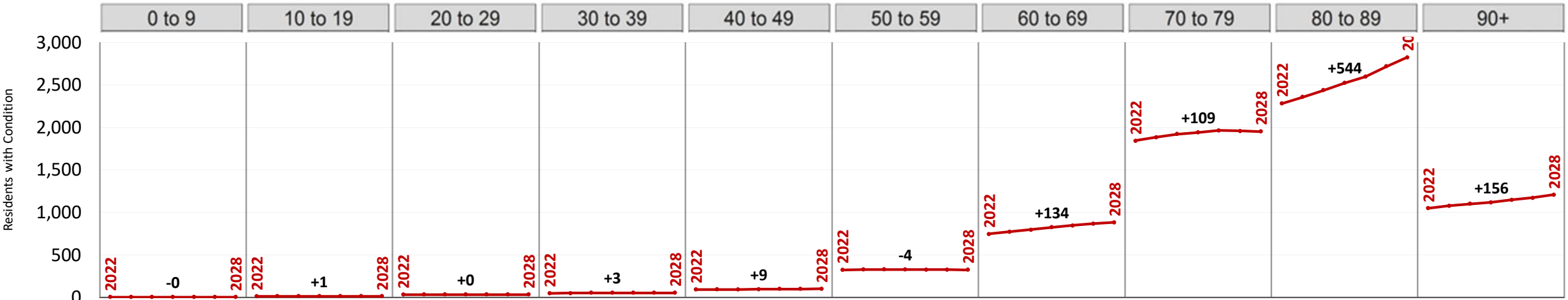| Year	Residents with Condition	Increase
2022	2,740	
2023	2,816	+76
2024	2,889	+150
2025	2,955	+216
2026	3,022	+282
2027	3,092	+352
2028	3,159	+419
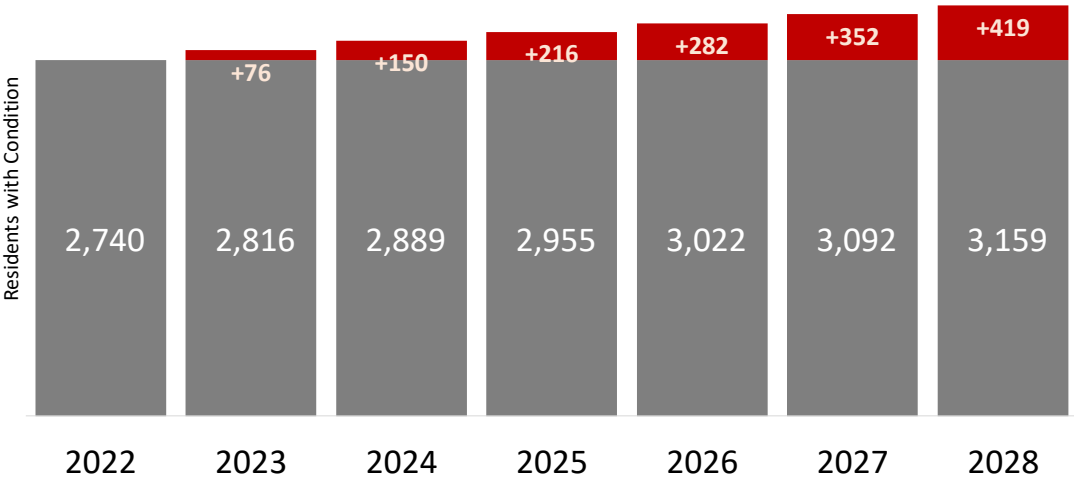
Forecasted Southampton Residents with
AMD by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	867	990
North & Central	767	919
East	1,105	1,250

Forecasted Southampton Residents with AMD by Age-Band (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	2022 vs 2028 change
0 to 9	0
10 to 19	+0
20 to 29	+0
30 to 39	+1
40 to 49	+3
50 to 59	-1
60 to 69	+54
70 to 79	+47
80 to 89	+237
90+	+77

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Bipolar

Prevalence of Bipolar in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data
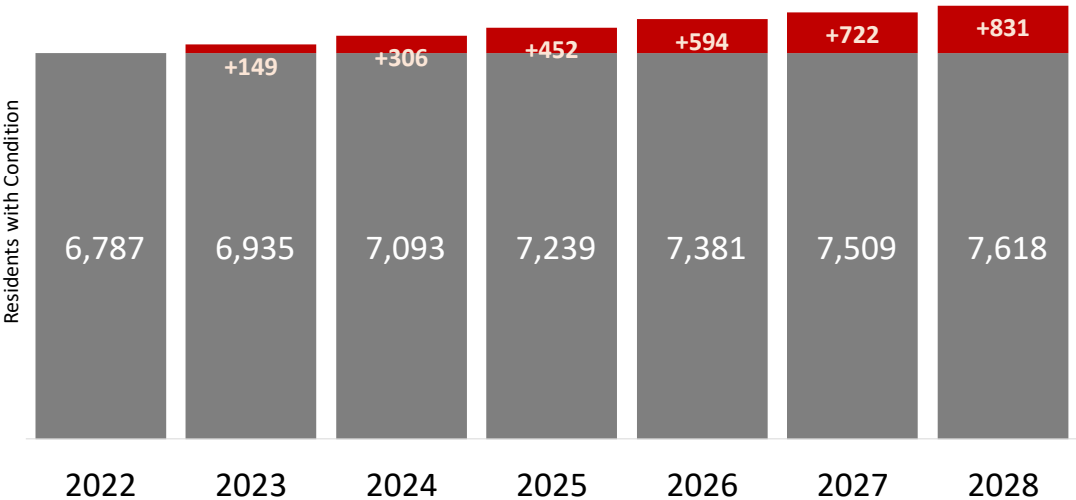
Cases per 1,000 Residents

5 With Bipolar

995 Without

Forecasted Number of Southampton Residents with Bipolar 2022 - 2028

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+7% **Increase by 2028**

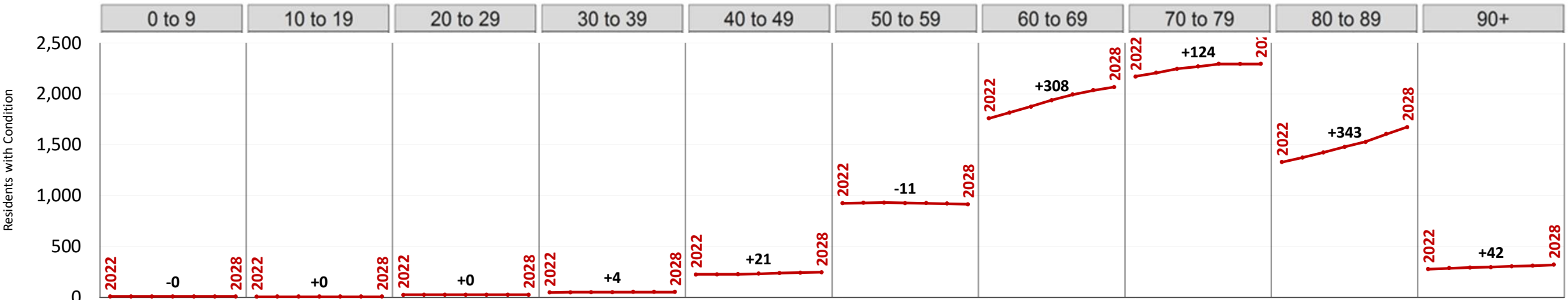| Year	Residents with Condition	Increase
2022	1,168	
2023	1,180	+12
2024	1,198	+30
2025	1,213	+45
2026	1,229	+61
2027	1,238	+70
2028	1,245	+77

Forecasted Southampton Residents with Bipolar by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	367	383
North & Central	379	425
East	421	437
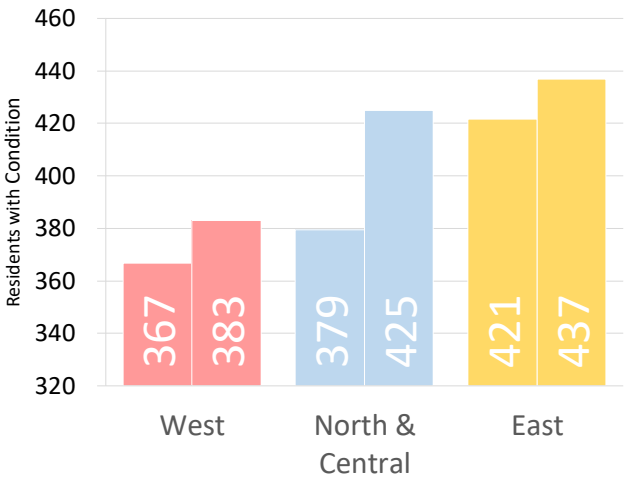
Forecasted Southampton Residents with Bipolar by Age-Band (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 to 2028)
0 to 9	0
10 to 19	+2
20 to 29	+1
30 to 39	+14
40 to 49	+18
50 to 59	-4
60 to 69	+28
70 to 79	+5
80 to 89	+13
90+	+1

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Chronic Renal Failure

Prevalence of Renal Failure in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

65 With Renal Failure

935 Without

Forecasted Number of Southampton Residents with Renal Failure 2022 - 2028

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+15% Increase by 2028

Year	Residents with Condition	Increase
2022	6,449	
2023	6,619	+170
2024	6,787	+338
2025	6,939	+490
2026	7,090	+641
2027	7,249	+800
2028	7,401	+952

Forecasted Southampton Residents with Renal Failure by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	2,047	2,325
North & Central	1,799	2,150
East	2,603	2,925
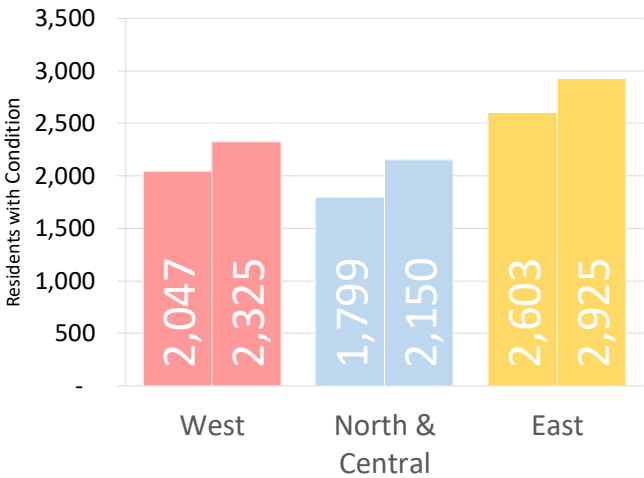
Forecasted Southampton Residents with Renal Failure by Age-Band (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change 2022 vs 2028
0 to 9	-0
10 to 19	+1
20 to 29	+0
30 to 39	+3
40 to 49	+9
50 to 59	-4
60 to 69	+134
70 to 79	+109
80 to 89	+544
90+	+156

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

COPD

Prevalence of COPD in Southampton (2021 Baseline)
Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

47 With COPD

953 Without
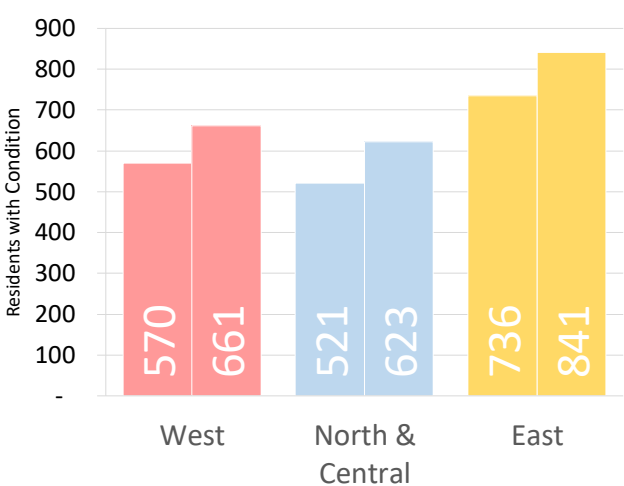
Forecasted Number of Southampton Residents with COPD 2022 - 2028
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+12% Increase by 2028

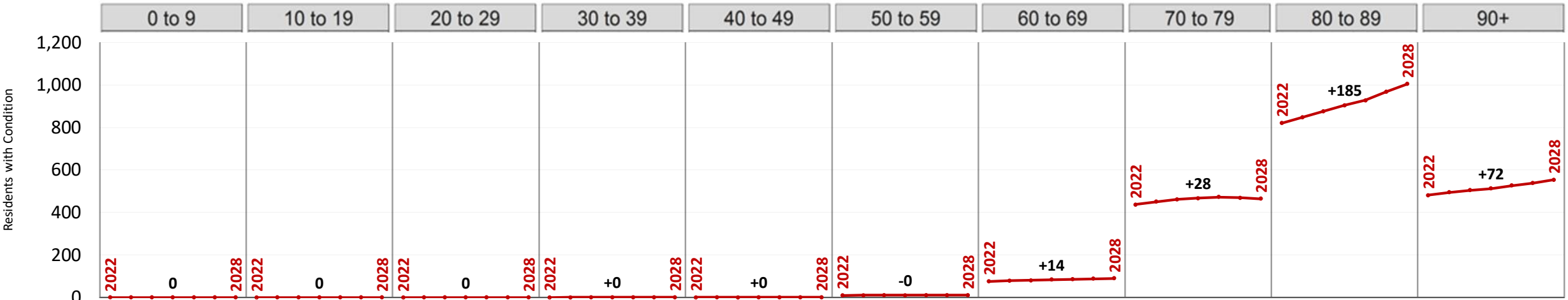| Year	Residents with Condition	Increase
2022	6,787	
2023	6,935	+149
2024	7,093	+306
2025	7,239	+452
2026	7,381	+594
2027	7,509	+722
2028	7,618	+831

Forecasted Southampton Residents with COPD by Locality (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	2,206	2,435
North & Central	1,822	2,175
East	2,758	3,008
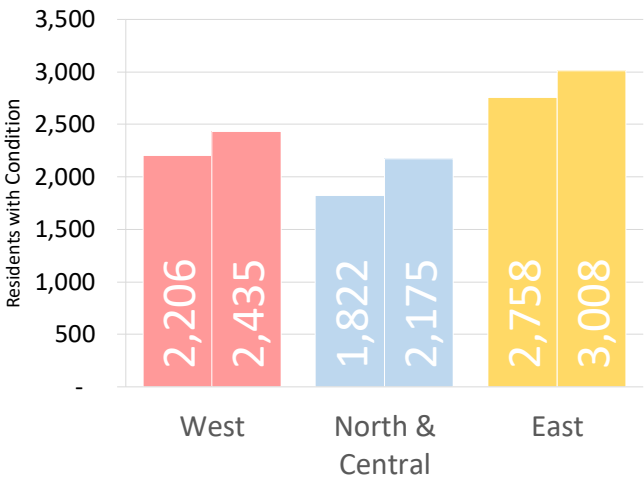
Forecasted Southampton Residents with COPD by Age-Band (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 vs 2028)
0 to 9	-0
10 to 19	+0
20 to 29	+0
30 to 39	+4
40 to 49	+21
50 to 59	-11
60 to 69	+308
70 to 79	+124
80 to 89	+343
90+	+42

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

COPD - Variable Prevalence

Forecasted Number of Southampton Residents
with COPD 2022 - 2028 (Fixed Prevalence & Variable Prevalence)

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF
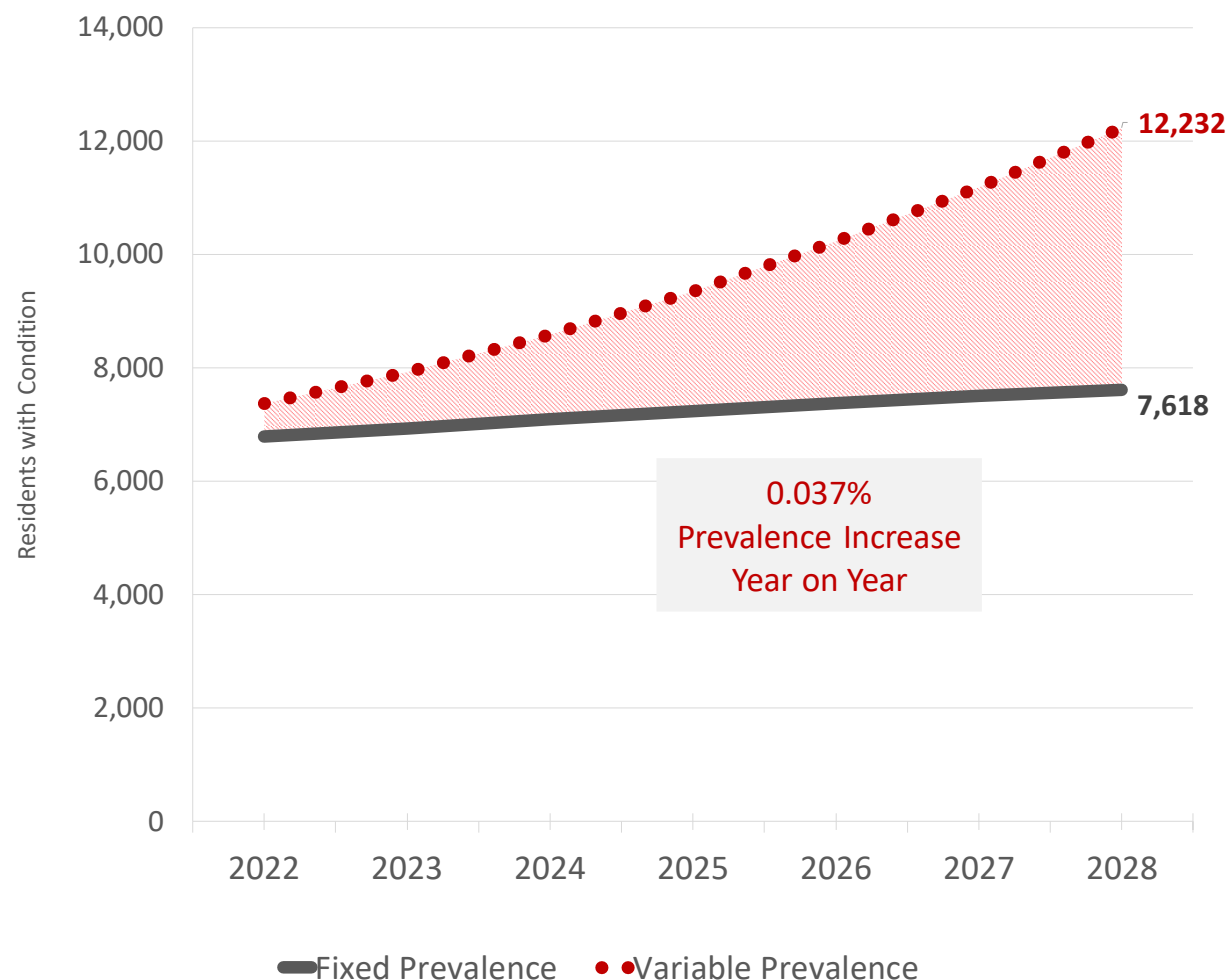
- Local GP QOF data identified a recent **increase** in the prevalence of COPD

- Equivalent to 0.037% increase per year / 4,614 more cases by 2028 vs fixed prevalence forecast

Caution is needed with these projections

- Changing prevalence may be as a result of a change in recording by GPs; rather than a true change in prevalence

- Uncertain how realistic it is to expect current trend to continue, but may provide 'best / worst case' scenario

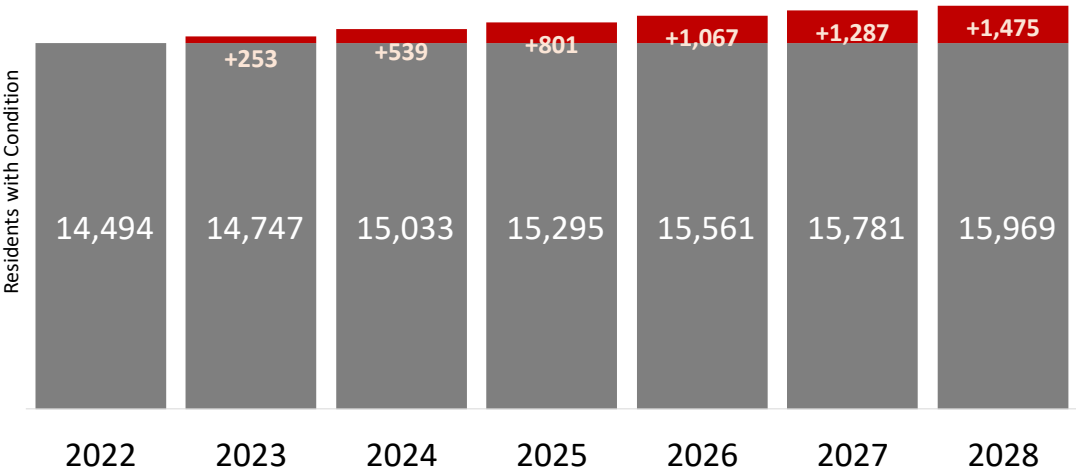Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Dementia

Forecasted Number of Southampton Residents with Dementia 2022 - 2028

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+16% Increase by 2028

Prevalence of Dementia in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

23 With Dementia

977 Without

Residents with Condition

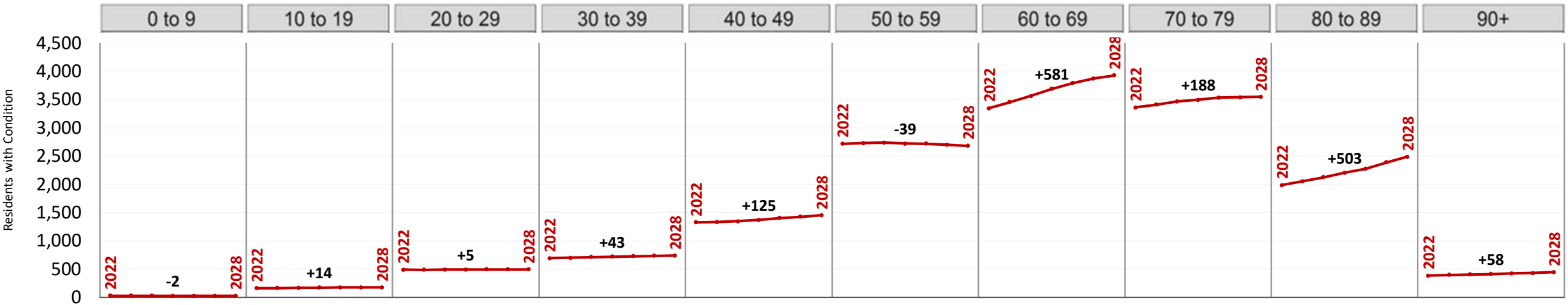| 2022	2023	2024	2025	2026	2027	2028
	+56	+108	+153	+199	+248	+298
1,827	1,883	1,934	1,980	2,025	2,074	2,124
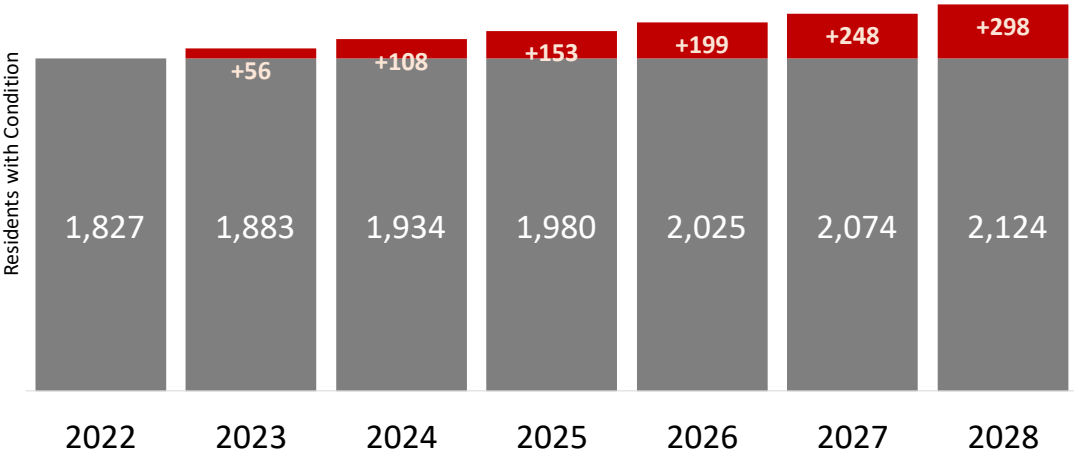
Forecasted Southampton Residents with Dementia by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Residents with Condition

	West	North & Central	East
2022	570	521	736
2028	661	623	841

Forecasted Southampton Residents with Dementia by Age-Band (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Residents with Condition

0 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90+
0	0	0	+0	+0	-0	+14	+28	+185	+72

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Dementia - Variable Prevalence

Forecasted Number of Southampton Residents
with Dementia 2022 - 2028 (Fixed Prevalence & Variable Prevalence)
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF
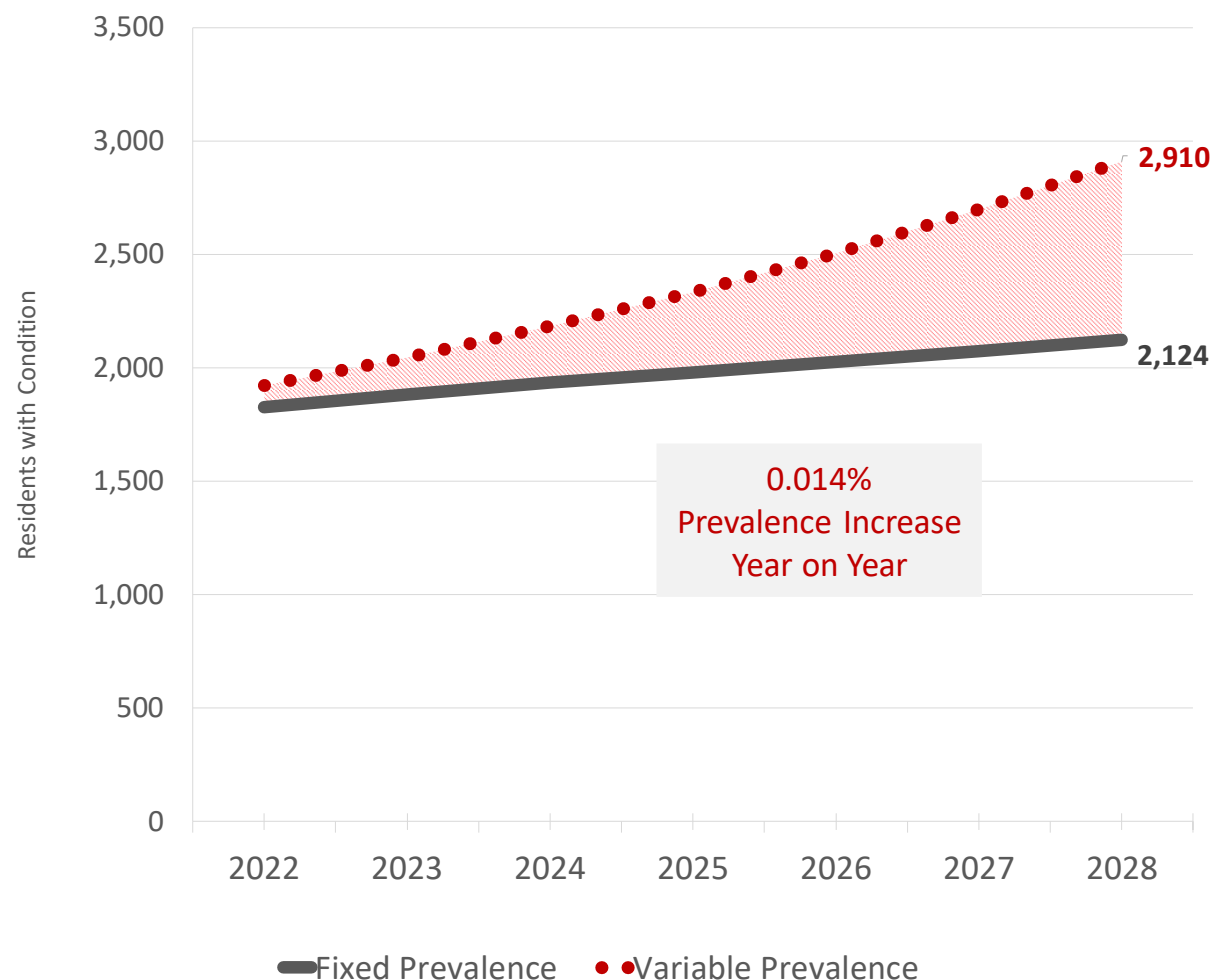
- Local GP QOF data identified a recent **increase** in the prevalence of dementia

- Equivalent to 0.014% increase per year / 786 more cases by 2028 vs fixed prevalence forecast

Caution is needed with these projections

- Changing prevalence may be as a result of a change in recording by GPs; rather than a true change in prevalence

- Uncertain how realistic it is to expect current trend to continue, but may provide 'best / worst case' scenario

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Diabetes

Prevalence of Diabetes in Southampton (2021 Baseline)
Source: Modelled data using Sollis patient data
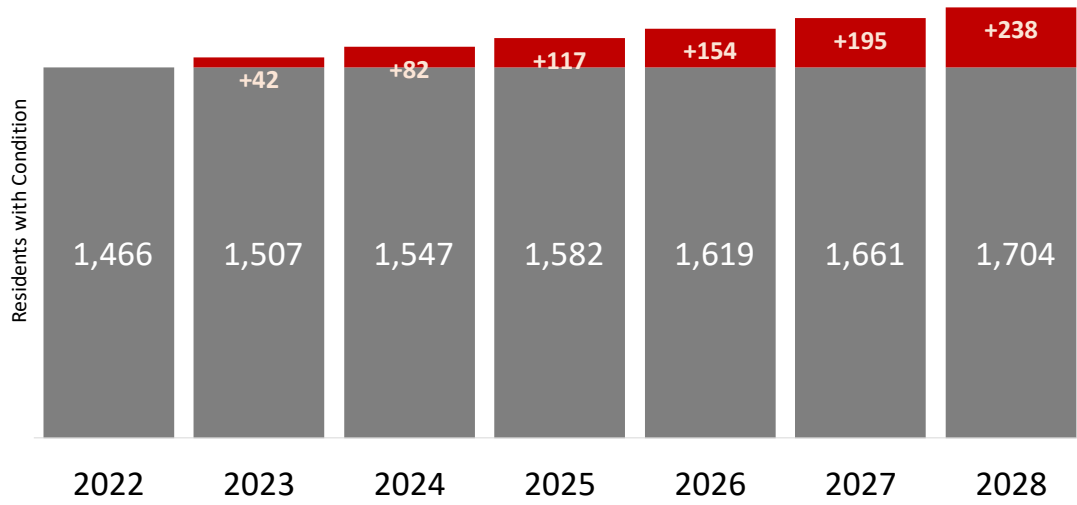
Cases per 1,000 Residents

85 With Diabetes

915 Without

Forecasted Number of Southampton Residents with Diabetes 2022 - 2028
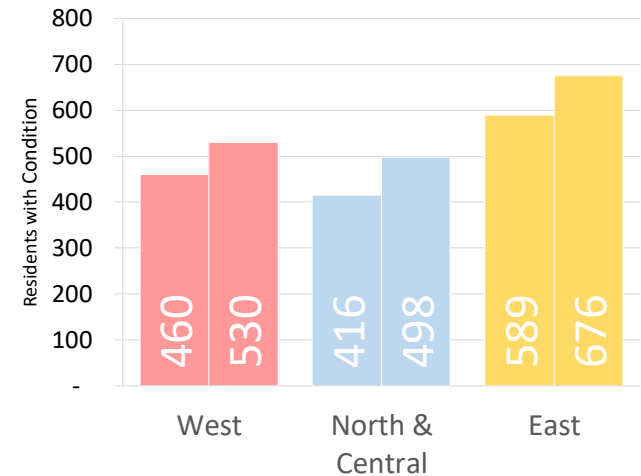Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+10% Increase by 2028

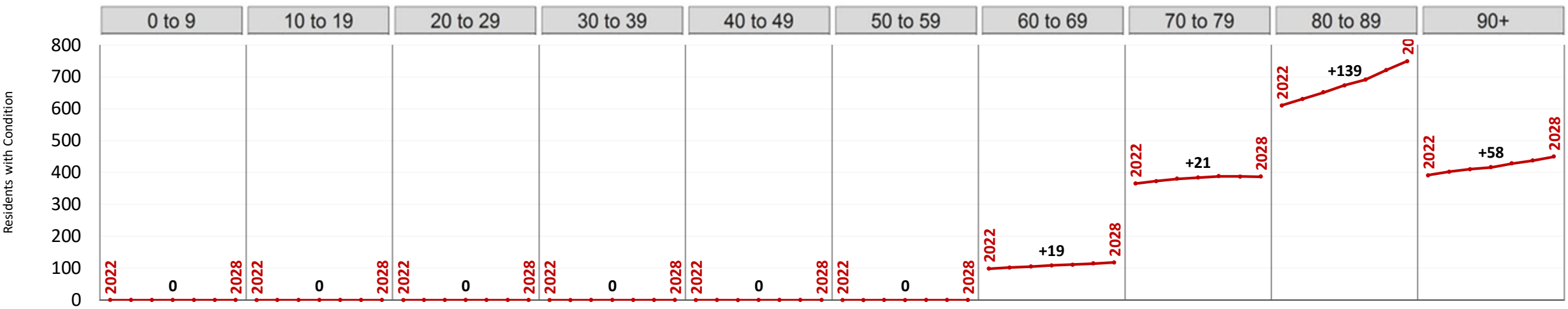| Year	Residents with Condition	Increase
2022	14,494	
2023	14,747	+253
2024	15,033	+539
2025	15,295	+801
2026	15,561	+1,067
2027	15,781	+1,287
2028	15,969	+1,475

Forecasted Southampton Residents with Diabetes by Locality (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	4,676	5,051
North & Central	4,127	4,830
East	5,691	6,087
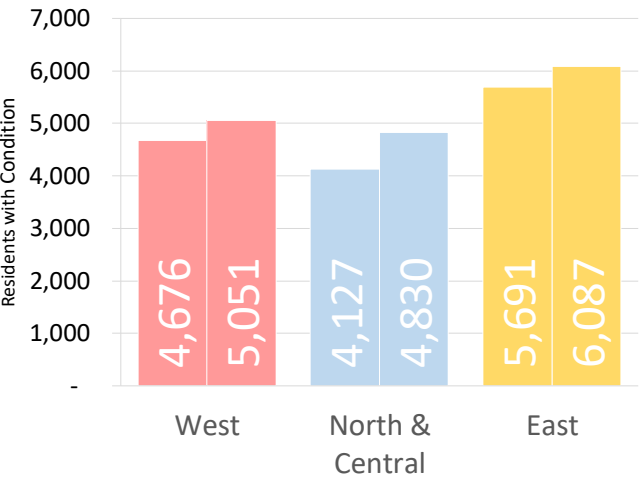
Forecasted Southampton Residents with Diabetes by Age-Band (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change 2022 to 2028
0 to 9	-2
10 to 19	+14
20 to 29	+5
30 to 39	+43
40 to 49	+125
50 to 59	-39
60 to 69	+581
70 to 79	+188
80 to 89	+503
90+	+58

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Diabetes - Variable Prevalence

Forecasted Number of Southampton Residents
with Diabetes 2022 - 2028 (Fixed Prevalence & Variable Prevalence)
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF
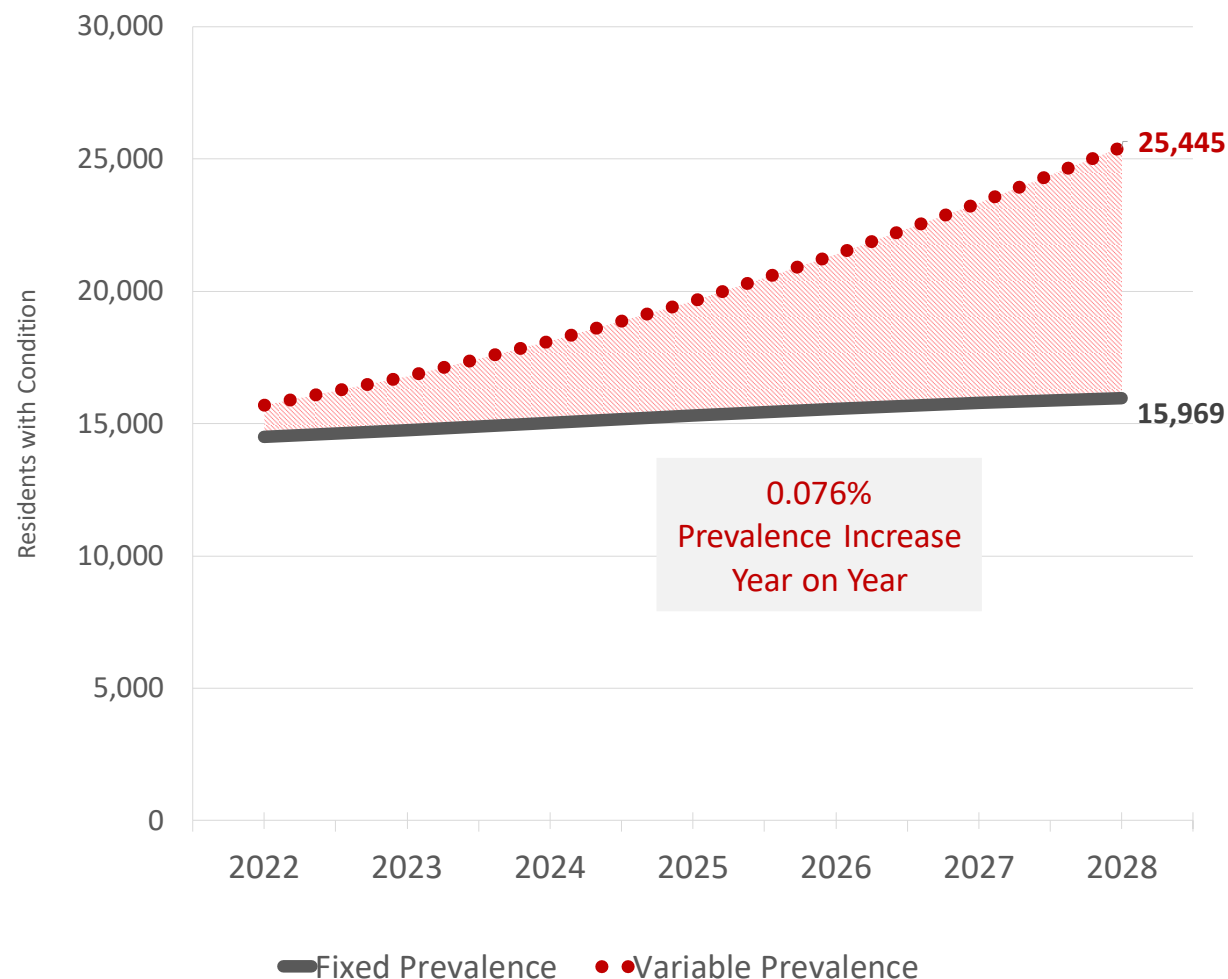
- Local GP QOF data identified a recent **increase** in the prevalence of diabetes

- Equivalent to 0.076% increase per year / 9,476 more cases by 2028 vs fixed prevalence forecast

Caution is needed with these projections

- Changing prevalence may be as a result of a change in recording by GPs; rather than a true change in prevalence

- Uncertain how realistic it is to expect current trend to continue, but may provide 'best / worst case' scenario

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Falls Leading to Hospital Admission (over 65s)

2017/18 - 2018/19 Prevalence ⚠️

Prevalence of Falls in Southampton (2017/18 - 2018/19 Baseline)
Source: Modelled data using Sollis patient data
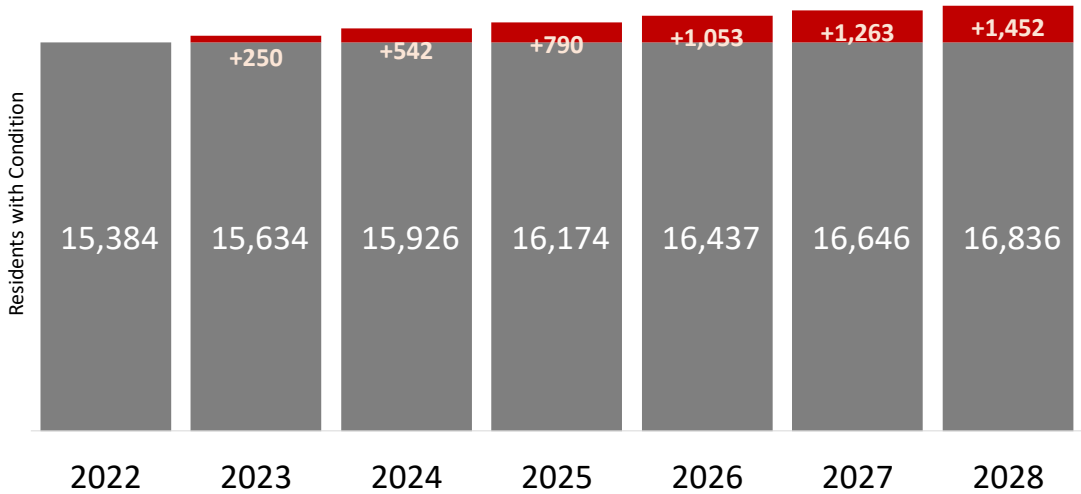
Cases per 1,000 Residents

18 With Falls

982 Without

Forecasted Number of Southampton Residents with Falls 2022 - 2028
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+16% Increase by 2028

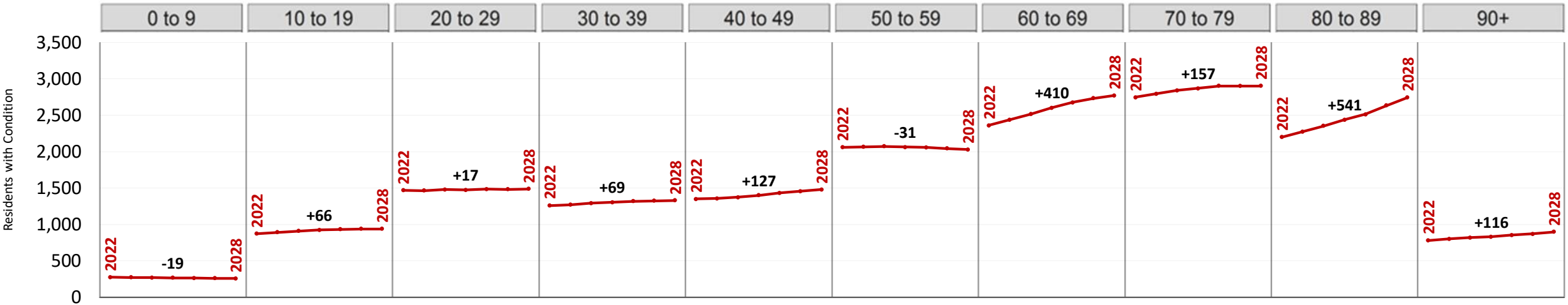| Year	Residents with Condition	Increase
2022	1,466	
2023	1,507	+42
2024	1,547	+82
2025	1,582	+117
2026	1,619	+154
2027	1,661	+195
2028	1,704	+238

Forecasted Southampton Residents with Falls by Locality (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	460	530
North & Central	416	498
East	589	676

Forecasted Southampton Residents with Falls by Age-Band (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 to 2028)
0 to 9	0
10 to 19	0
20 to 29	0
30 to 39	0
40 to 49	0
50 to 59	0
60 to 69	+19
70 to 79	+21
80 to 89	+139
90+	+58

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Fraility

Prevalence of Frailty in Southampton (2021 Baseline)
Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

92 With Frailty
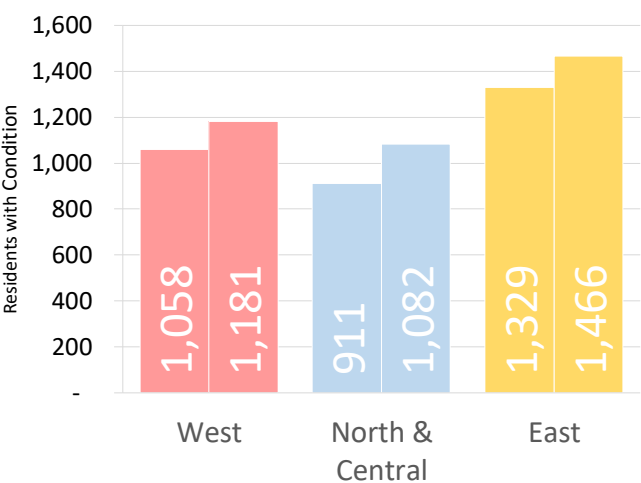
908 Without

Forecasted Number of Southampton Residents with Frailty 2022 - 2028
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+9% Increase by 2028

Residents with Condition

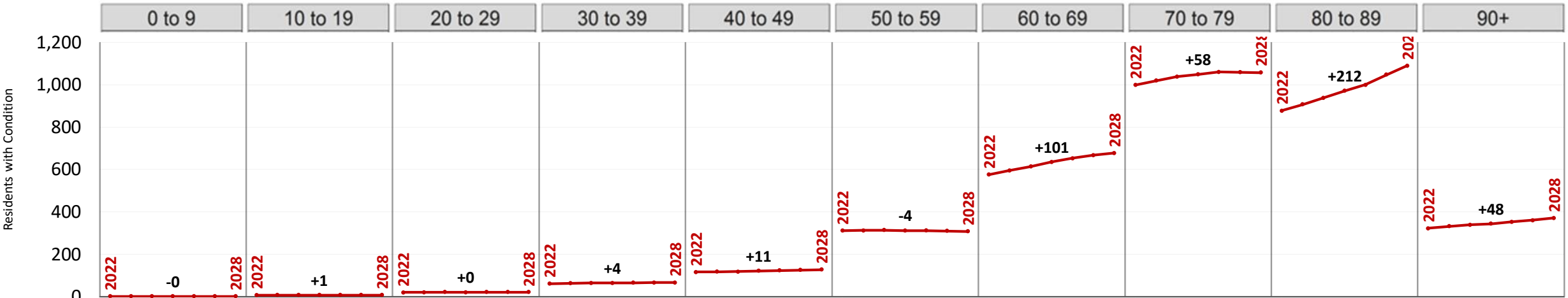| Year	Base	Increase
2022	15,384	
2023	15,634	+250
2024	15,926	+542
2025	16,174	+790
2026	16,437	+1,053
2027	16,646	+1,263
2028	16,836	+1,452

Forecasted Southampton Residents with Frailty by Locality (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Residents with Condition

Locality	2022	2028
West	4,818	5,189
North & Central	4,810	5,493
East	5,756	6,154
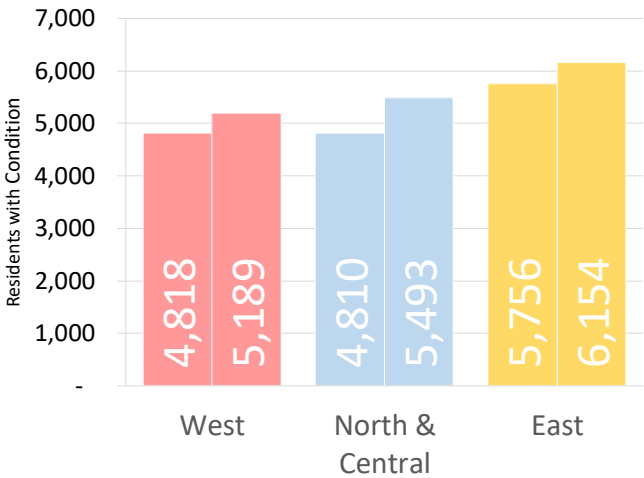
Forecasted Southampton Residents with Frailty by Age-Band (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Residents with Condition

Age-Band	Change (2022 to 2028)
0 to 9	-19
10 to 19	+66
20 to 29	+17
30 to 39	+69
40 to 49	+127
50 to 59	-31
60 to 69	+410
70 to 79	+157
80 to 89	+541
90+	+116

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Glaucoma

Prevalence of Glaucoma in Southampton (2021 Baseline)
Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

28 With Glaucoma

972 Without

Forecasted Number of Southampton Residents with Glaucoma 2022 - 2028
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+13% Increase by 2028

Year	Residents with Condition	Increase
2022	3,298	
2023	3,377	+78
2024	3,457	+159
2025	3,529	+230
2026	3,600	+302
2027	3,667	+369
2028	3,730	+431
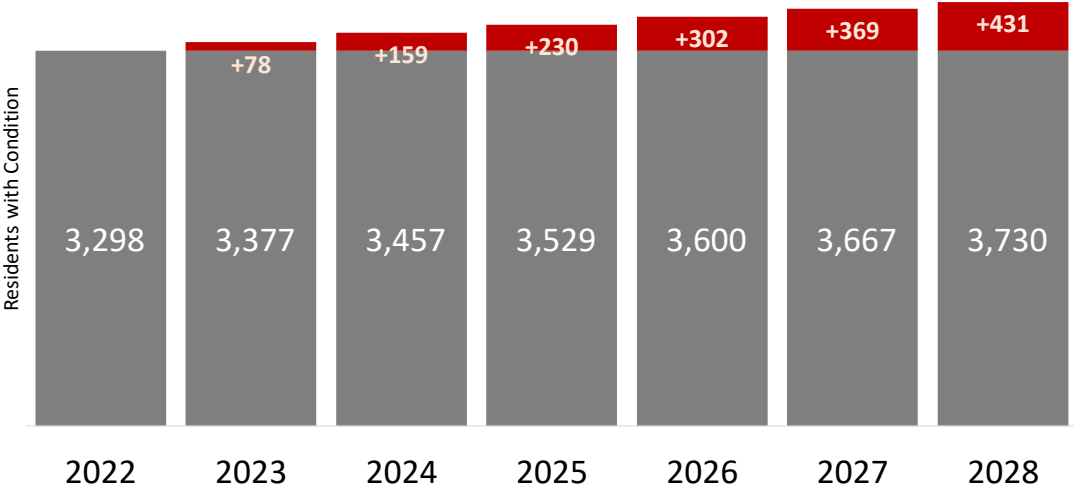
Forecasted Southampton Residents with Glaucoma by Locality (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	1,058	1,181
North & Central	911	1,082
East	1,329	1,466

Forecasted Southampton Residents with Glaucoma by Age-Band (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 vs 2028)
0 to 9	-0
10 to 19	+1
20 to 29	+0
30 to 39	+4
40 to 49	+11
50 to 59	-4
60 to 69	+101
70 to 79	+58
80 to 89	+212
90+	+48

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Heart Failure

southampton dataobservatory

Prevalence of Heart Failure in Southampton (2021 Baseline)
Source: Modelled data using Sollis patient data

Cases per 1,000 Residents
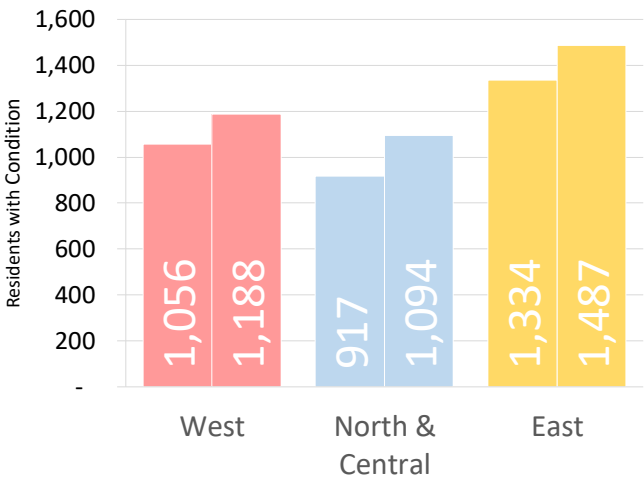
30 With Heart Failure

970 Without

Forecasted Number of Southampton Residents with Heart Failure 2022 - 2028
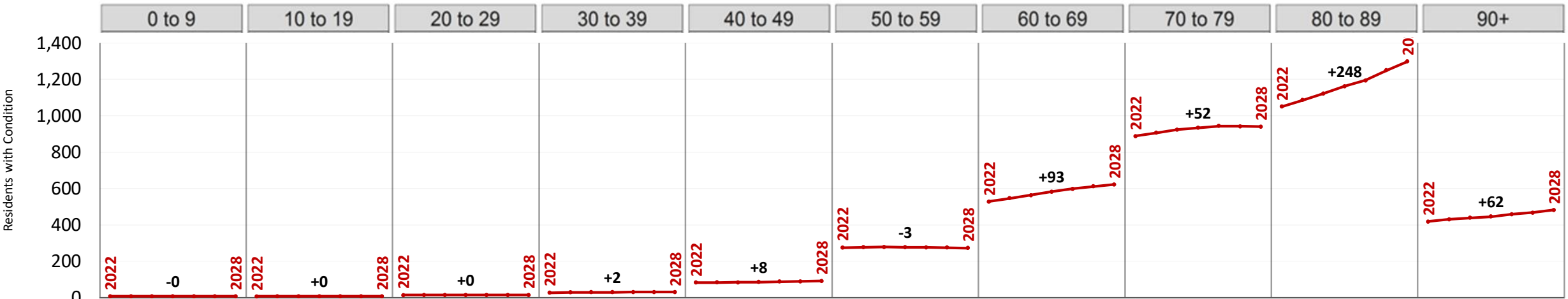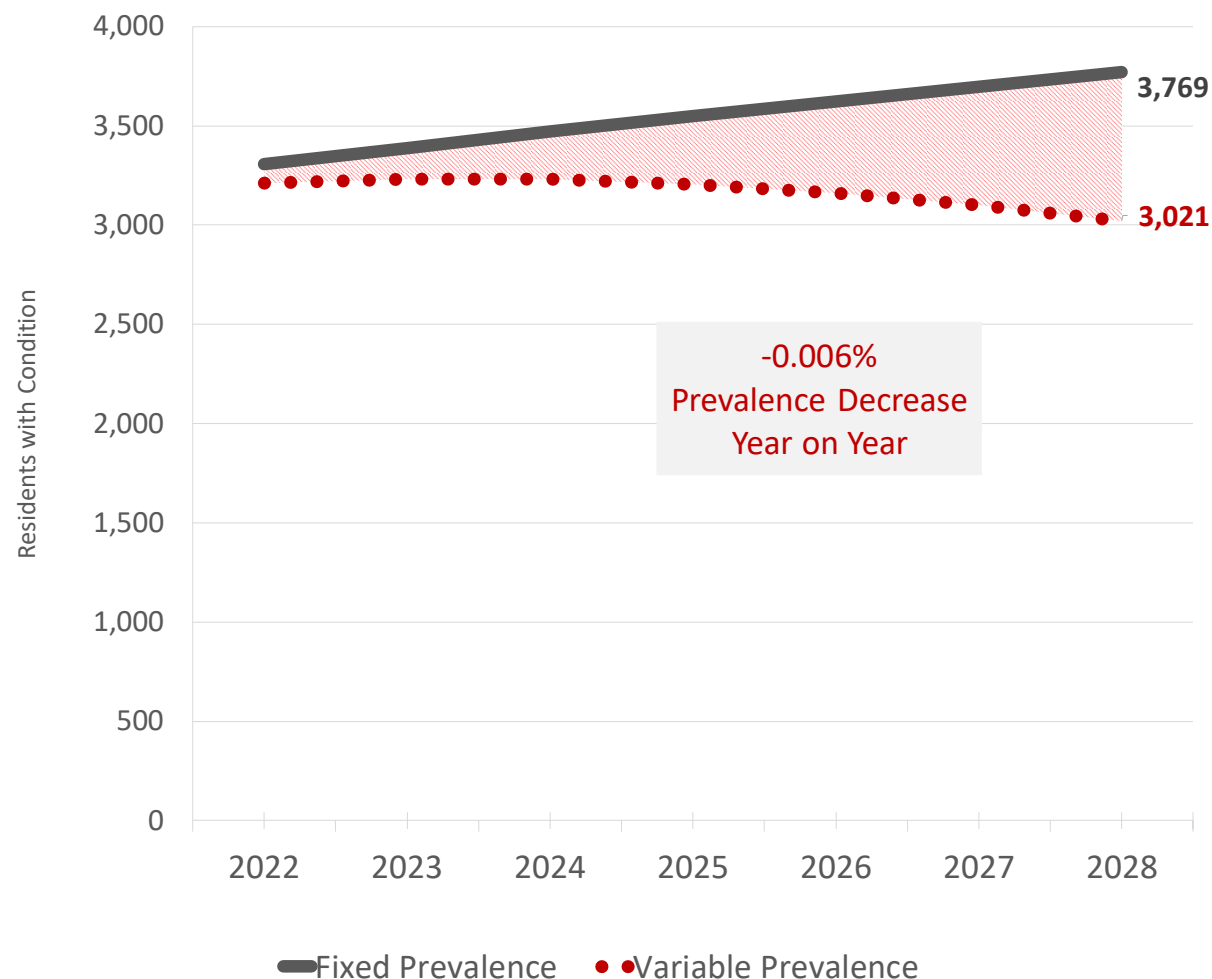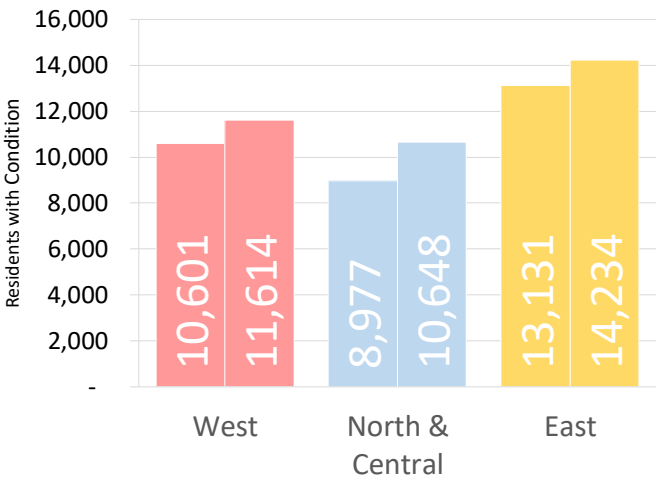Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+14% **Increase by 2028**

Year	Residents with Condition	Increase
2022	3,307	
2023	3,390	+83
2024	3,472	+166
2025	3,548	+241
2026	3,622	+315
2027	3,698	+391
2028	3,769	+462
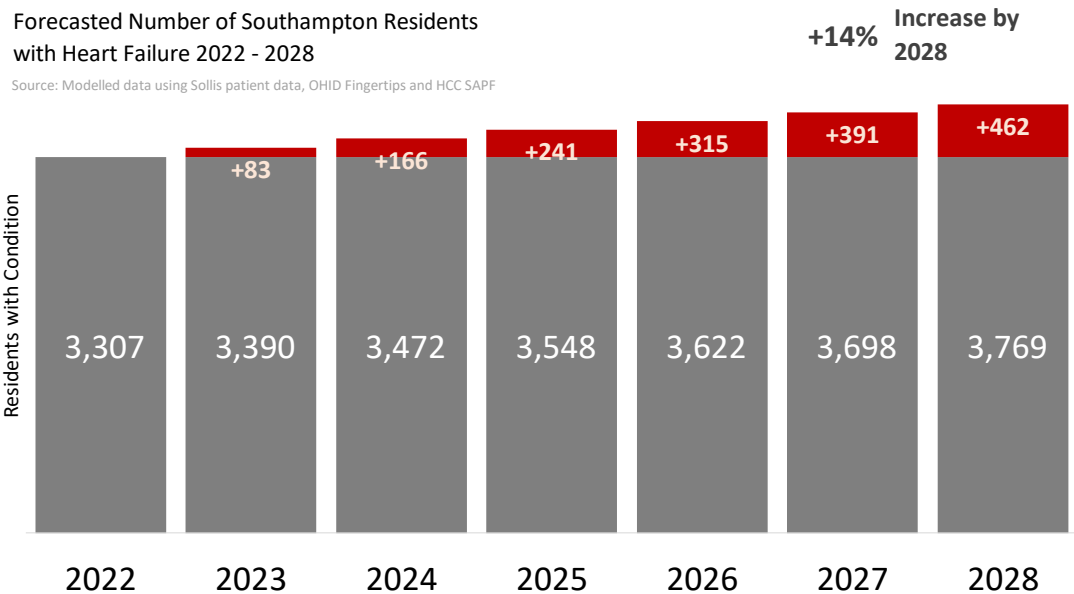
Forecasted Southampton Residents with Heart Failure by Locality (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	1,056	1,188
North & Central	917	1,094
East	1,334	1,487

Forecasted Southampton Residents with Heart Failure by Age-Band (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 vs 2028)
0 to 9	-0
10 to 19	+0
20 to 29	+0
30 to 39	+2
40 to 49	+8
50 to 59	-3
60 to 69	+93
70 to 79	+52
80 to 89	+248
90+	+62

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Forecasted Number of Southampton Residents
with Heart Failure 2022 - 2028 (Fixed Prevalence & Variable Prevalence)
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

- Local GP QOF data identified a recent **decrease** in the prevalence of heart failure

- Equivalent to 0.006% decrease per year / 748 more cases by 2028 vs fixed prevalence forecast

Caution is needed with these projections

- Changing prevalence may be as a result of a change in recording by GPs; rather than a true change in prevalence

- Uncertain how realistic it is to expect current trend to continue, but may provide 'best / worst case' scenario

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Hypertension

Prevalence of Hypertension in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

228 With Hypertension

772 Without

Forecasted Number of Southampton Residents with Hypertension 2022 - 2028

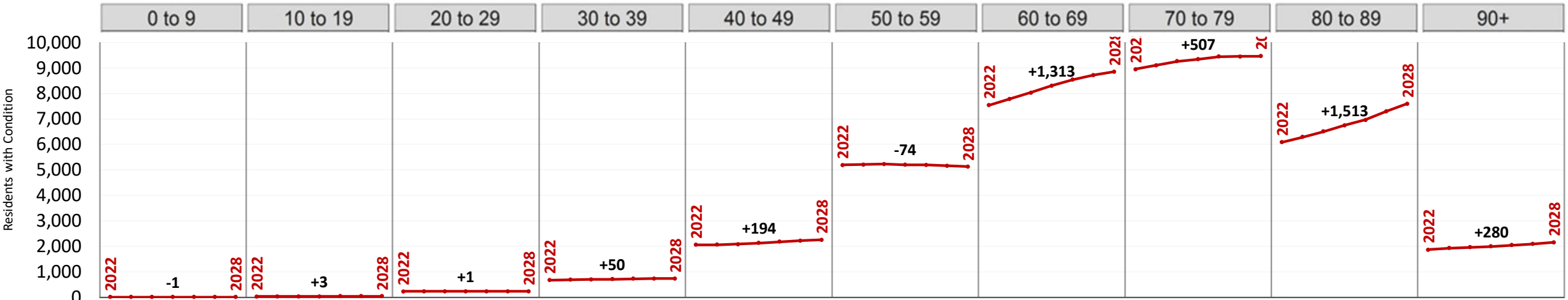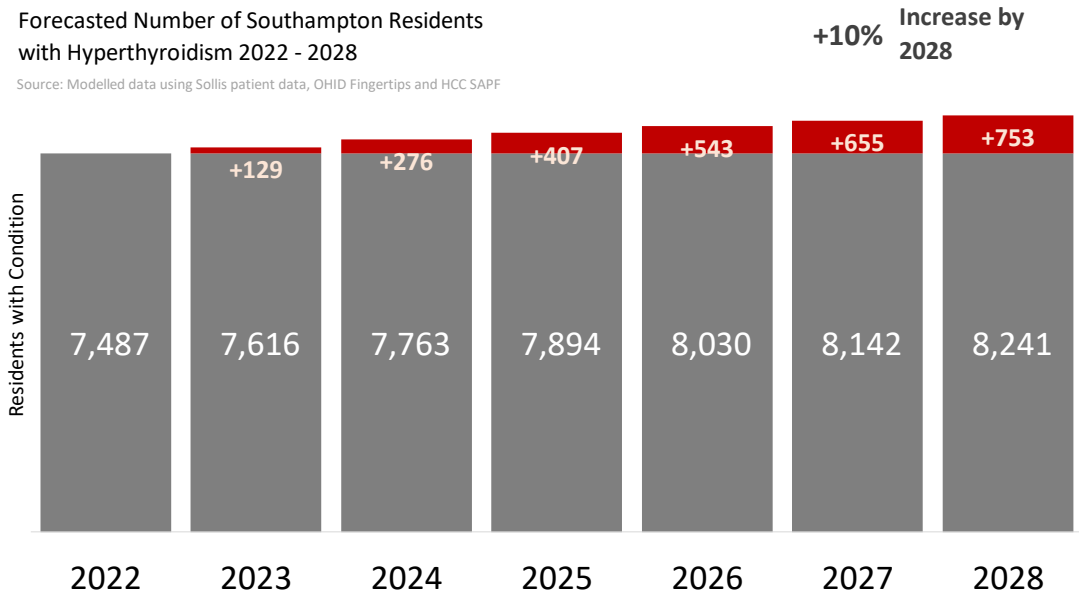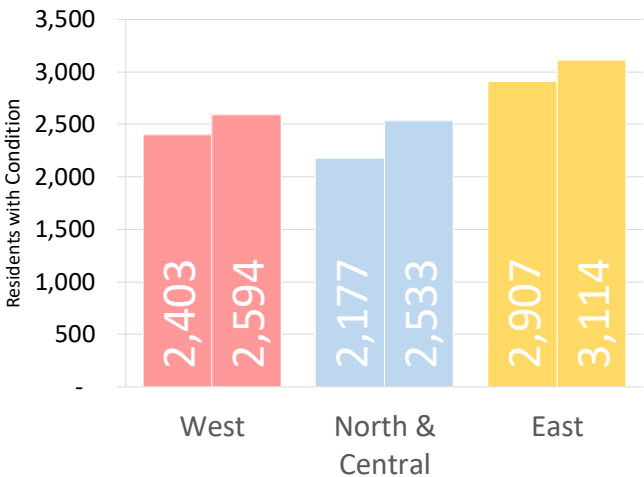Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+12% Increase by 2028

Residents with Condition

Year	Value	Increase
2022	32,710	
2023	33,374	+664
2024	34,086	+1,376
2025	34,743	+2,034
2026	35,400	+2,690
2027	35,984	+3,274
2028	36,496	+3,787
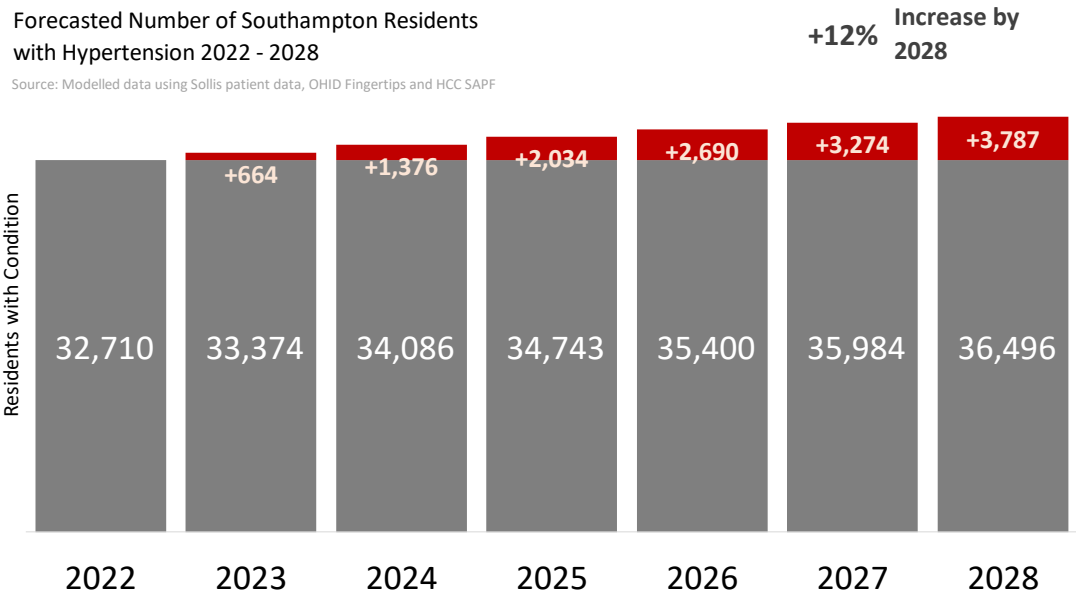
Forecasted Southampton Residents with Hypertension by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Residents with Condition

Locality	2022	2028
West	10,601	11,614
North & Central	8,977	10,648
East	13,131	14,234

Forecasted Southampton Residents with Hypertension by Age-Band (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Residents with Condition

Age-Band	Change (2022 vs 2028)
0 to 9	-1
10 to 19	+3
20 to 29	+1
30 to 39	+50
40 to 49	+194
50 to 59	-74
60 to 69	+1,313
70 to 79	+507
80 to 89	+1,513
90+	+280

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Hypertension - Variable Prevalence

Forecasted Number of Southampton Residents
with Hypertension 2022 - 2028 (Fixed Prevalence & Variable Prevalence)
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF
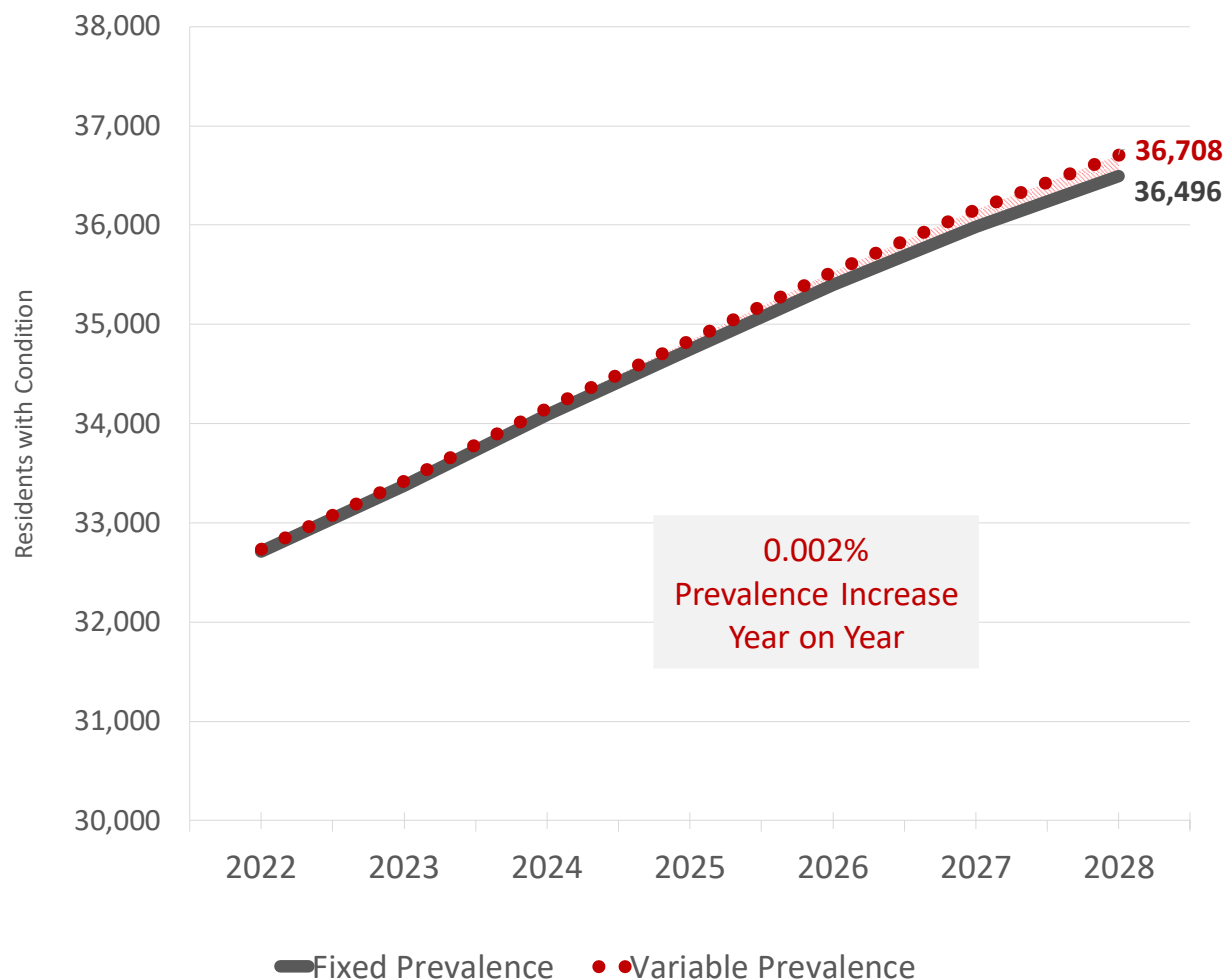
- Local GP QOF data identified a recent **increase** in the prevalence of hypertension

- Equivalent to 0.002% increase per year / 212 more cases by 2028 vs fixed prevalence forecast

Caution is needed with these projections

- Changing prevalence may be as a result of a change in recording by GPs; rather than a true change in prevalence

- Uncertain how realistic it is to expect current trend to continue, but may provide 'best / worst case' scenario

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Hyperthyroidism

Prevalence of Hyperthyroidism in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

46 — With Hyperthyroidism

954 — Without

Forecasted Number of Southampton Residents with Hyperthyroidism 2022 - 2028

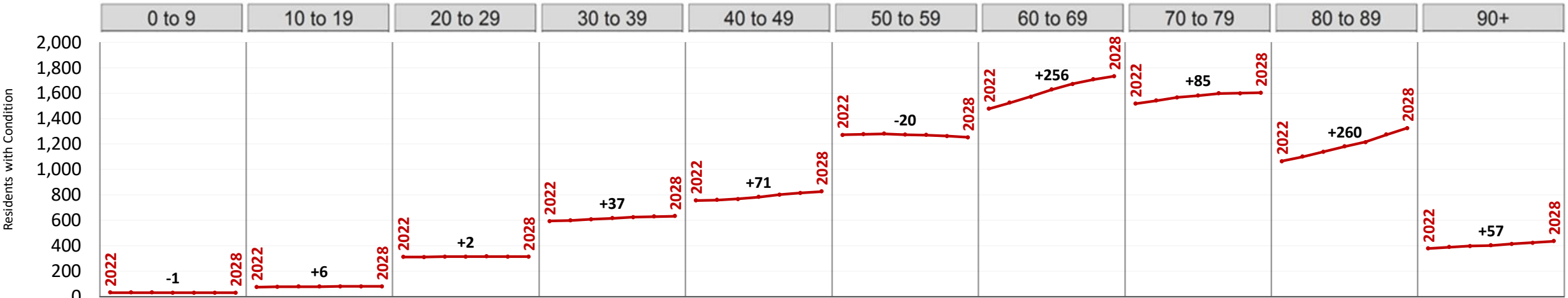Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+10% Increase by 2028

Year	Residents with Condition	Increase
2022	7,487	
2023	7,616	+129
2024	7,763	+276
2025	7,894	+407
2026	8,030	+543
2027	8,142	+655
2028	8,241	+753

Forecasted Southampton Residents with Hyperthyroidism by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	2,403	2,594
North & Central	2,177	2,533
East	2,907	3,114

Forecasted Southampton Residents with Hyperthyroidism by Age-Band (2022 vs 2028)

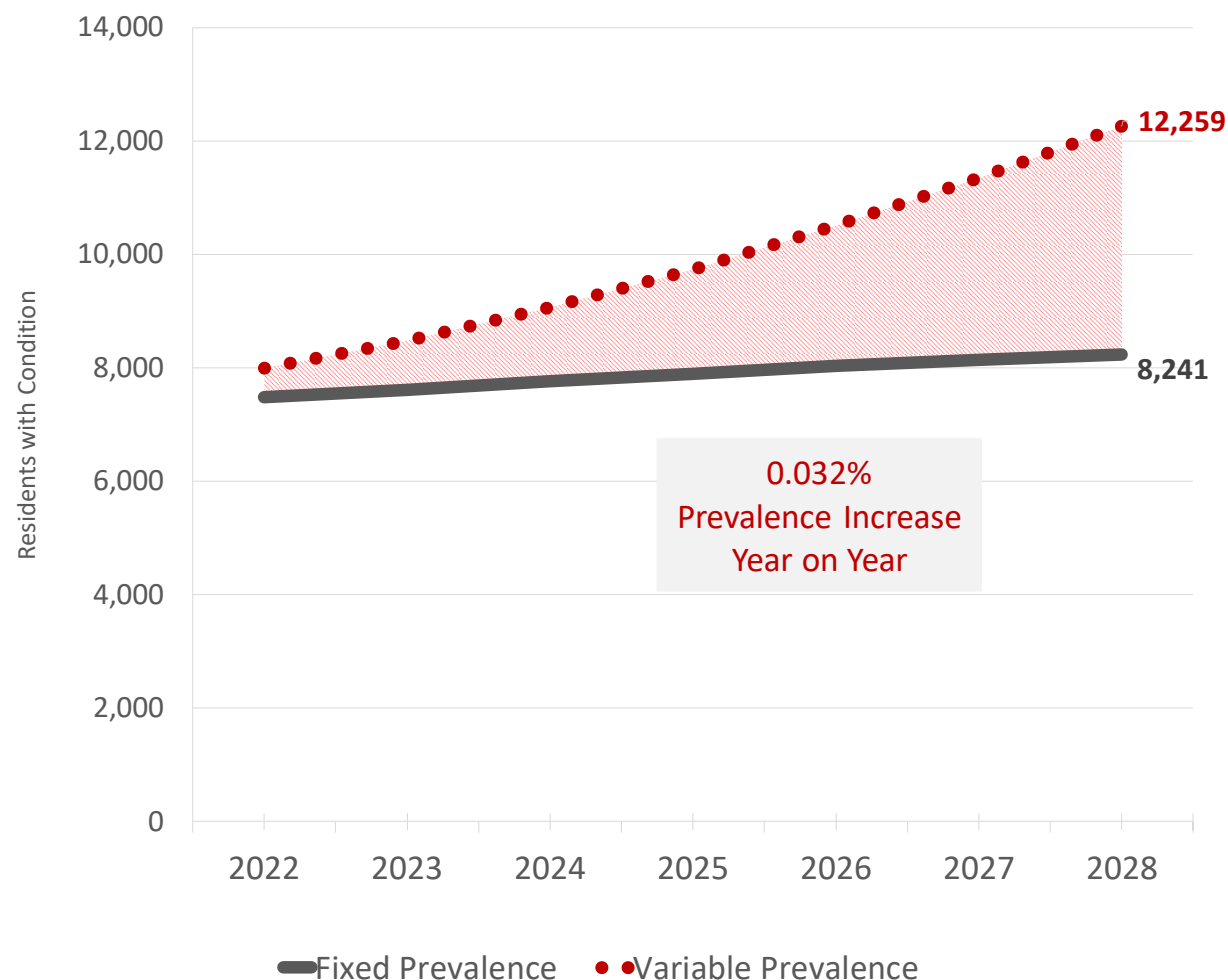Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 vs 2028)
0 to 9	-1
10 to 19	+6
20 to 29	+2
30 to 39	+37
40 to 49	+71
50 to 59	-20
60 to 69	+256
70 to 79	+85
80 to 89	+260
90+	+57

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Forecasted Number of Southampton Residents
with Hyperthyroidism 2022 - 2028 (Fixed Prevalence & Variable Prevalence)
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

- Local GP QOF data identified a recent **increase** in the prevalence of hyperthyroidism

- Equivalent to 0.032% increase per year / 4,018 more cases by 2028 vs fixed prevalence forecast

Caution is needed with these projections

- Changing prevalence may be as a result of a change in recording by GPs; rather than a true change in prevalence

- Uncertain how realistic it is to expect current trend to continue, but may provide 'best / worst case' scenario

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Immunosuppression Following Transplant

Prevalence of Immunosuppression in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

With Immunosuppression: 1

Without: 999

Forecasted Number of Southampton Residents with Immunosuppression 2022 - 2028

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF
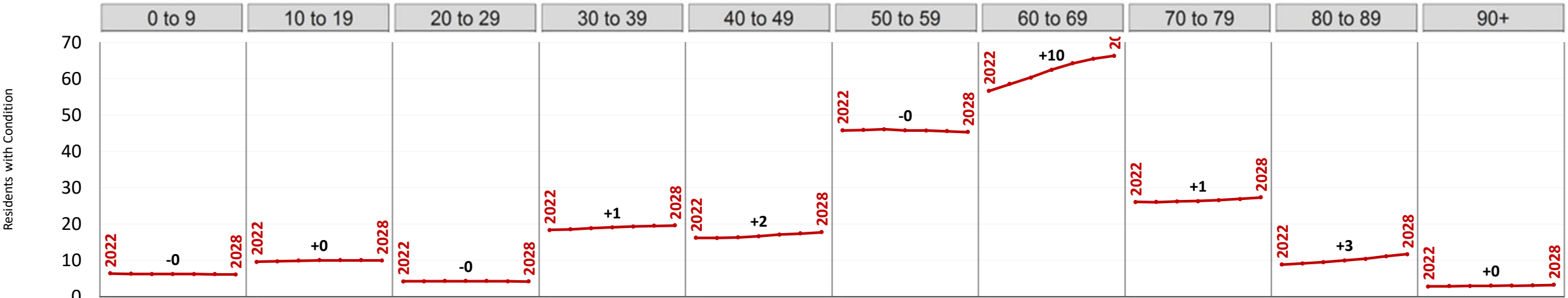
+8% **Increase by 2028**

Year	Residents with Condition	Increase
2022	195	
2023	197	+2
2024	201	+6
2025	204	+9
2026	207	+12
2027	209	+14
2028	211	+16
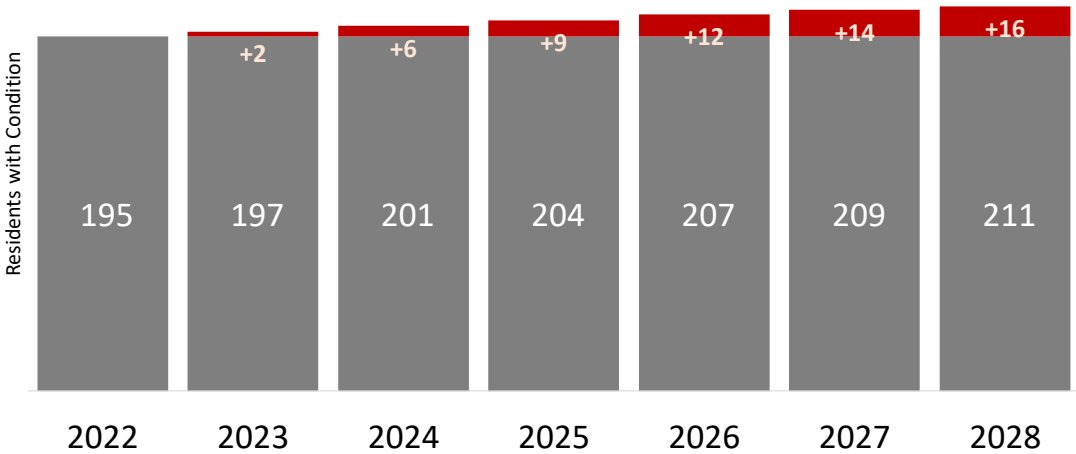
Forecasted Southampton Residents with Immunosuppression by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	64	67
North & Central	56	65
East	76	80
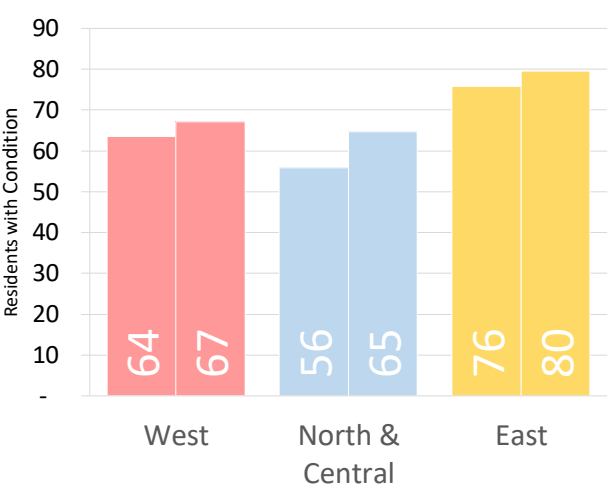
Forecasted Southampton Residents with Immunosuppression by Age-Band (2022 vs 2028)

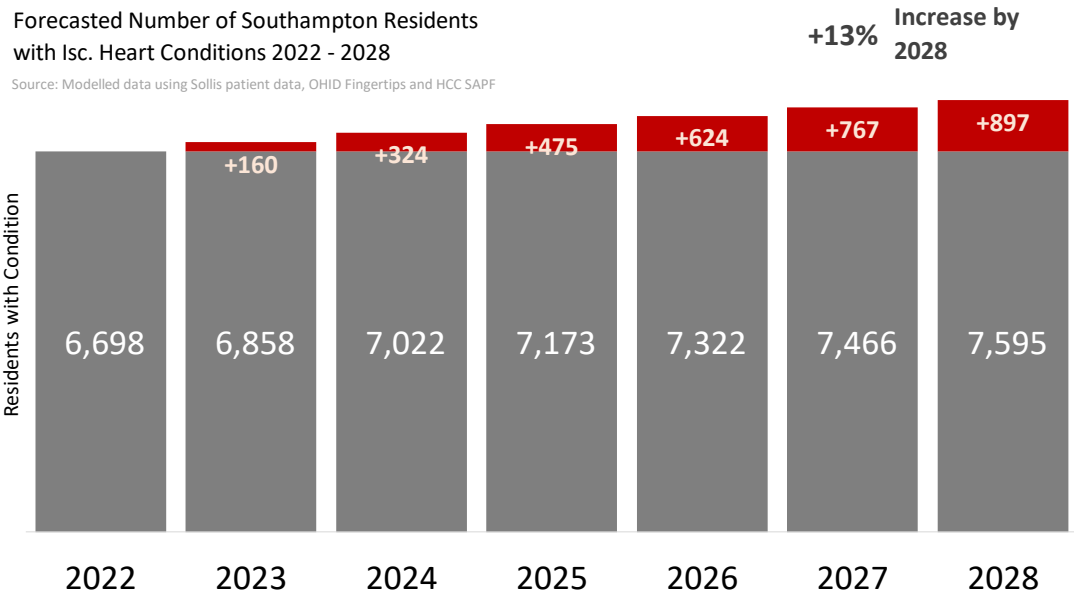Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change
0 to 9	-0
10 to 19	+0
20 to 29	-0
30 to 39	+1
40 to 49	+2
50 to 59	-0
60 to 69	+10
70 to 79	+1
80 to 89	+3
90+	+0

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Ischemic Heart Conditions

Prevalence of Isc. Heart Conditions in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

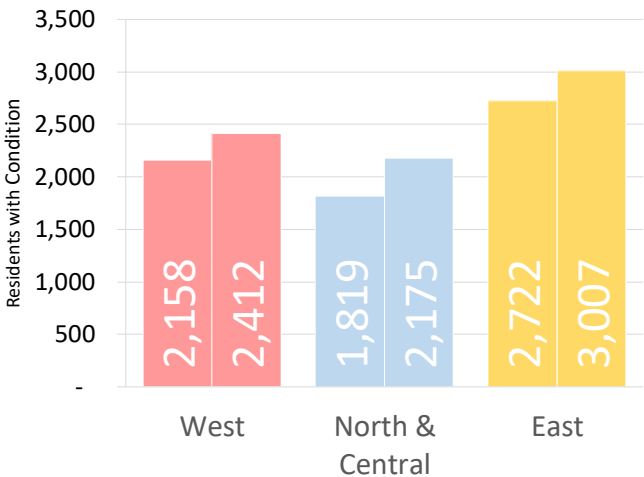55 With Isc. Heart Conditions

945 Without

Forecasted Number of Southampton Residents with Isc. Heart Conditions 2022 - 2028

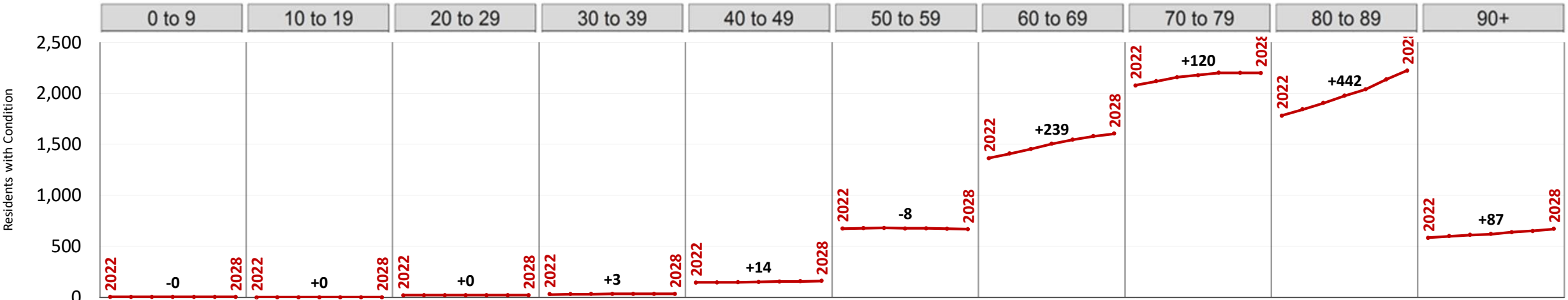Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+13% Increase by 2028

Year	Residents with Condition	Increase
2022	6,698	
2023	6,858	+160
2024	7,022	+324
2025	7,173	+475
2026	7,322	+624
2027	7,466	+767
2028	7,595	+897

Forecasted Southampton Residents with Isc. Heart Conditions by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	2,158	2,412
North & Central	1,819	2,175
East	2,722	3,007

Forecasted Southampton Residents with Isc. Heart Conditions by Age-Band (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 vs 2028)
0 to 9	-0
10 to 19	+0
20 to 29	+0
30 to 39	+3
40 to 49	+14
50 to 59	-8
60 to 69	+239
70 to 79	+120
80 to 89	+442
90+	+87

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Learning Disability

Prevalence of Learning Disability in Southampton (2021 Baseline)
Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

31 With Learning Disability

969 Without

Forecasted Number of Southampton Residents with Learning Disability 2022 - 2028
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF
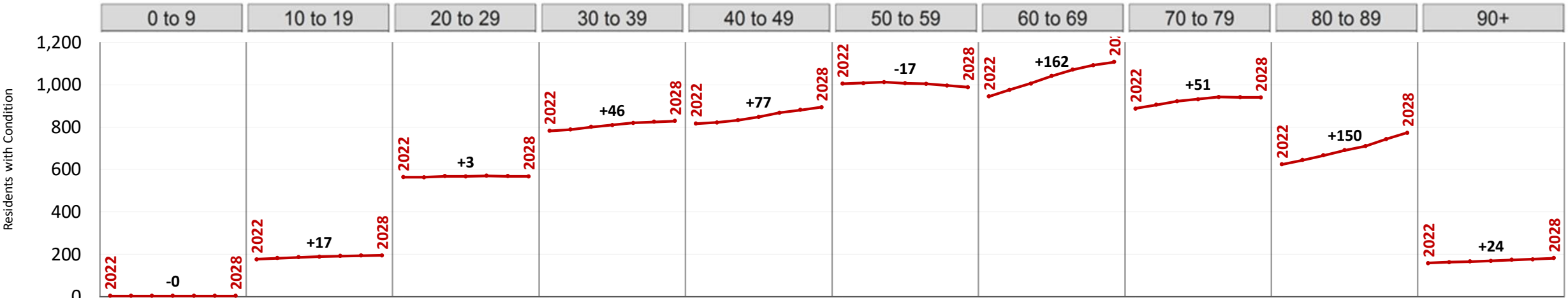
+9% Increase by 2028

Year	Residents with Condition	Increase
2022	5,966	
2023	6,056	+90
2024	6,165	+199
2025	6,257	+291
2026	6,354	+388
2027	6,421	+456
2028	6,479	+513
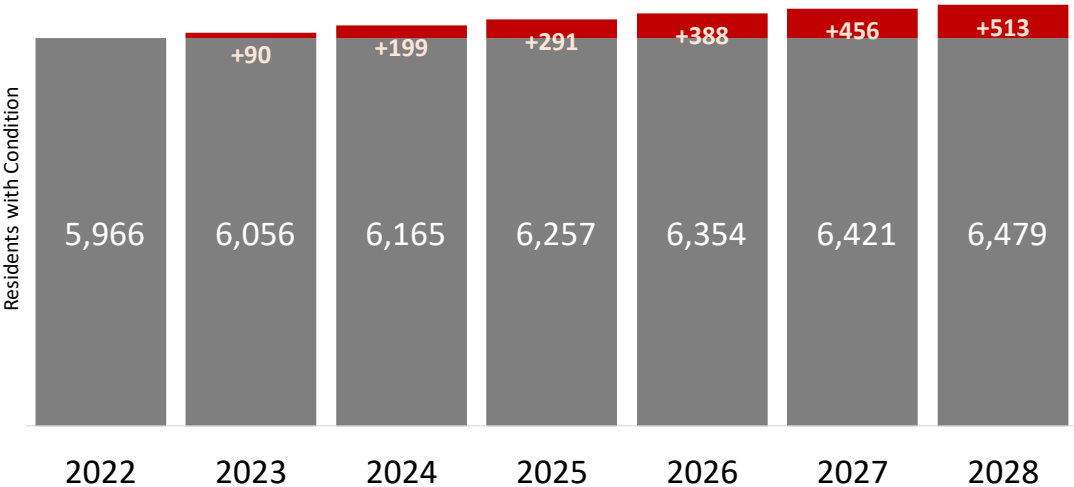
Forecasted Southampton Residents with Learning Disability by Locality (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	1,881	2,007
North & Central	1,861	2,122
East	2,223	2,350
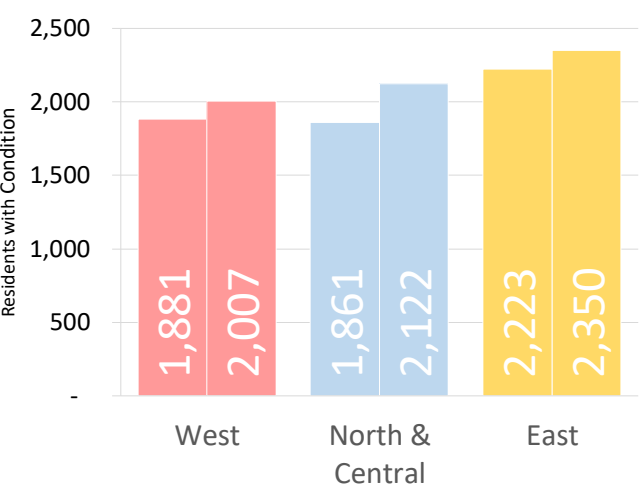
Forecasted Southampton Residents with Learning Disability by Age-Band (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	2022 vs 2028 change
0 to 9	-0
10 to 19	+17
20 to 29	+3
30 to 39	+46
40 to 49	+77
50 to 59	-17
60 to 69	+162
70 to 79	+51
80 to 89	+150
90+	+24

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base
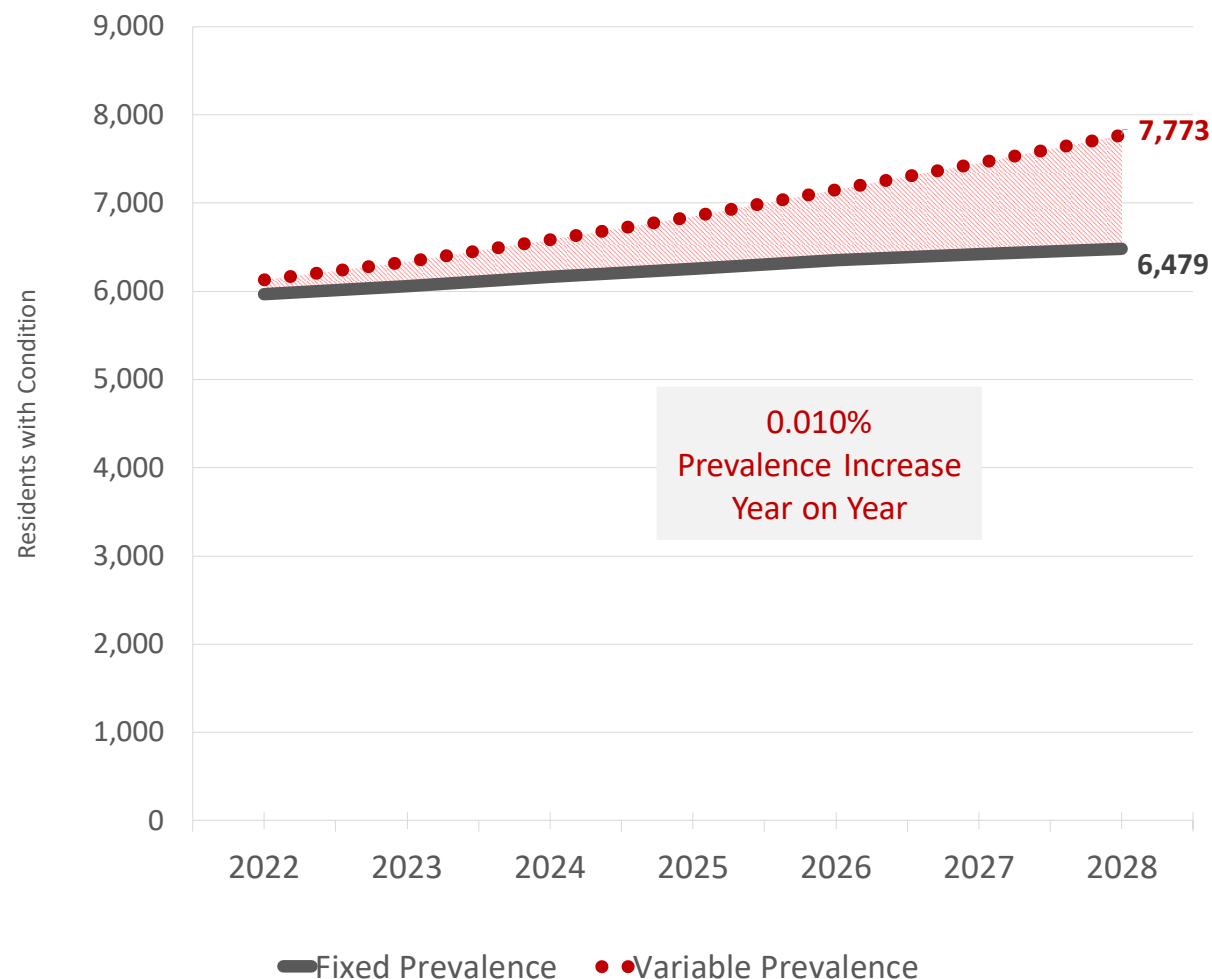
Learning Disability - Variable Prevalence

Forecasted Number of Southampton Residents
with Learning Disability 2022 - 2028 (Fixed Prevalence & Variable Prevalence)
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

0.010%
Prevalence Increase
Year on Year

7,773

6,479

- Fixed Prevalence
- Variable Prevalence

- Local GP QOF data identified a recent **increase** in the prevalence of learning disability

- Equivalent to 0.01% increase per year / 1,294 more cases by 2028 vs fixed prevalence forecast

Caution is needed with these projections

- Changing prevalence may be as a result of a change in recording by GPs; rather than a true change in prevalence

- Uncertain how realistic it is to expect current trend to continue, but may provide 'best / worst case' scenario

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Lower Back Pain

Prevalence of Lower Back Pain in Southampton (2021 Baseline)
Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

29 With Lower Back Pain

971 Without

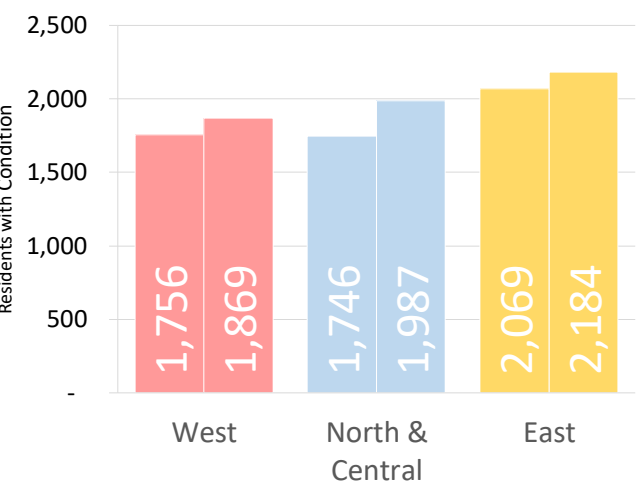## Forecasted Number of Southampton Residents with Lower Back Pain 2022 - 2028
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+8% Increase by 2028

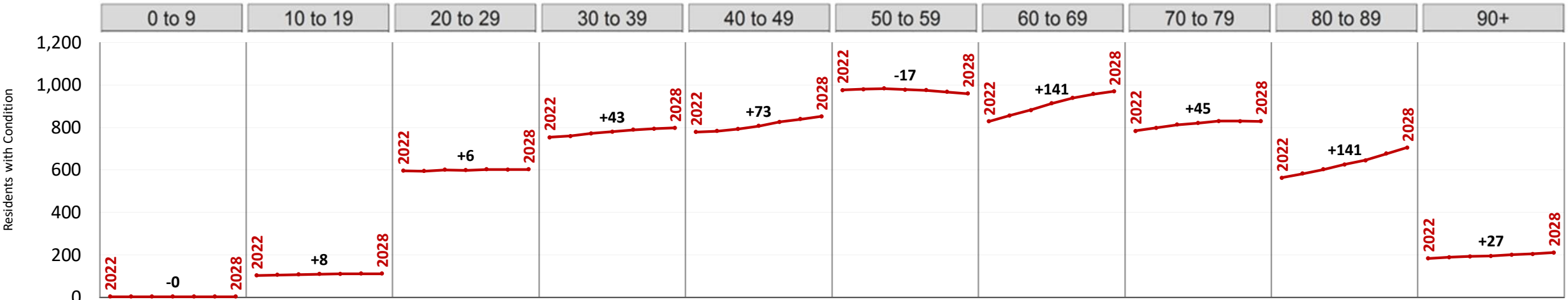| Year	Residents with Condition	Increase
2022	5,571	
2023	5,649	+78
2024	5,747	+176
2025	5,830	+259
2026	5,920	+349
2027	5,984	+413
2028	6,040	+469
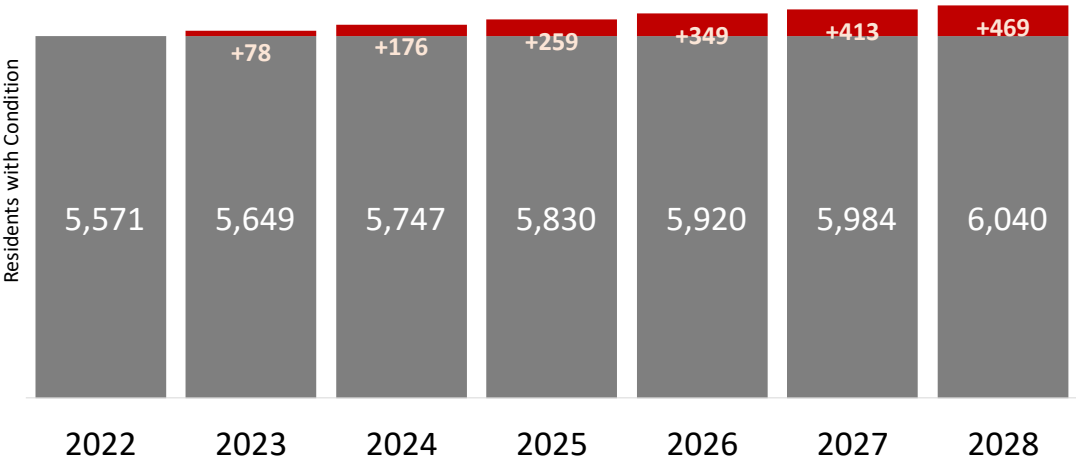
Forecasted Southampton Residents with Lower Back Pain by Locality (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	1,756	1,869
North & Central	1,746	1,987
East	2,069	2,184

Forecasted Southampton Residents with Lower Back Pain by Age-Band (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 vs 2028)
0 to 9	-0
10 to 19	+8
20 to 29	+6
30 to 39	+43
40 to 49	+73
50 to 59	-17
60 to 69	+141
70 to 79	+45
80 to 89	+141
90+	+27

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Osteoporosis

Prevalence of Osteoporosis in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data

Cases per 1,000 Residents
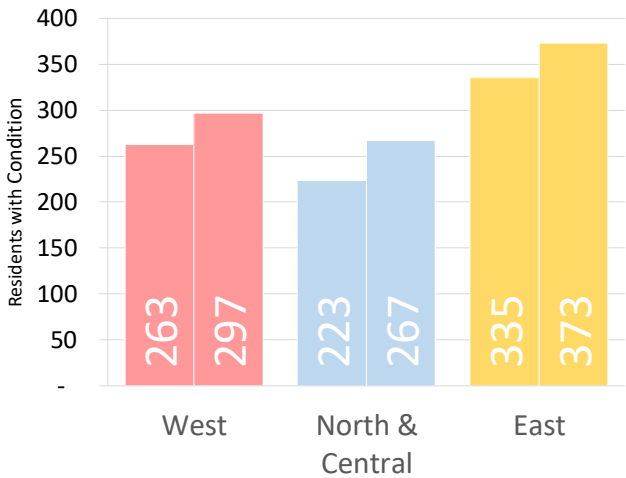
8 — With Osteoporosis

992 — Without

Forecasted Number of Southampton Residents with Osteoporosis 2022 - 2028

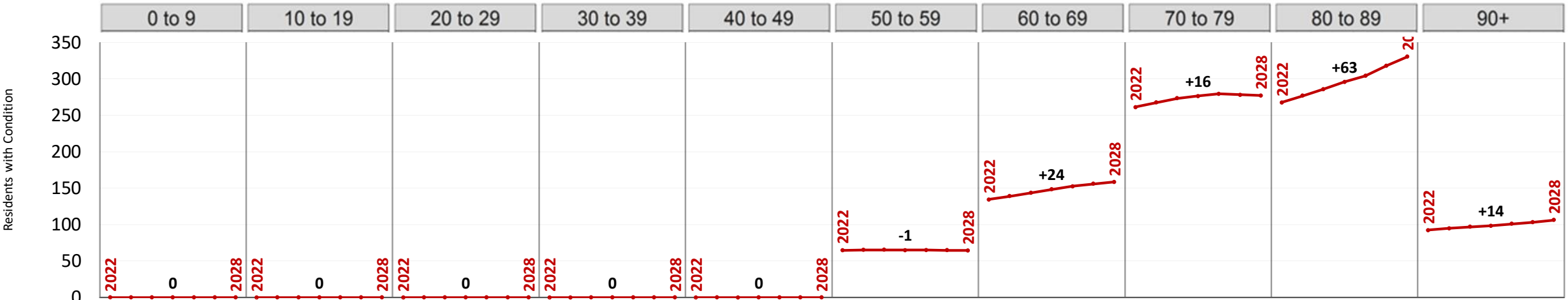Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+14% Increase by 2028

Year	Residents with Condition	Increase
2022	821	
2023	843	+22
2024	865	+44
2025	884	+63
2026	902	+81
2027	920	+99
2028	936	+115
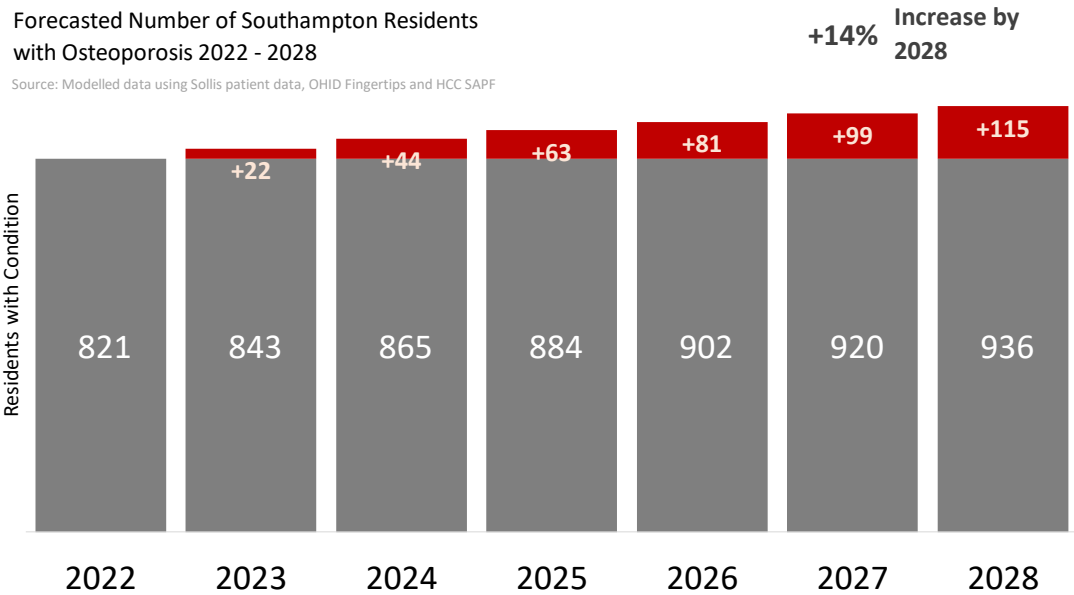
Forecasted Southampton Residents with Osteoporosis by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	263	297
North & Central	223	267
East	335	373

Forecasted Southampton Residents with Osteoporosis by Age-Band (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 to 2028)
0 to 9	0
10 to 19	0
20 to 29	0
30 to 39	0
40 to 49	0
50 to 59	-1
60 to 69	+24
70 to 79	+16
80 to 89	+63
90+	+14

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base
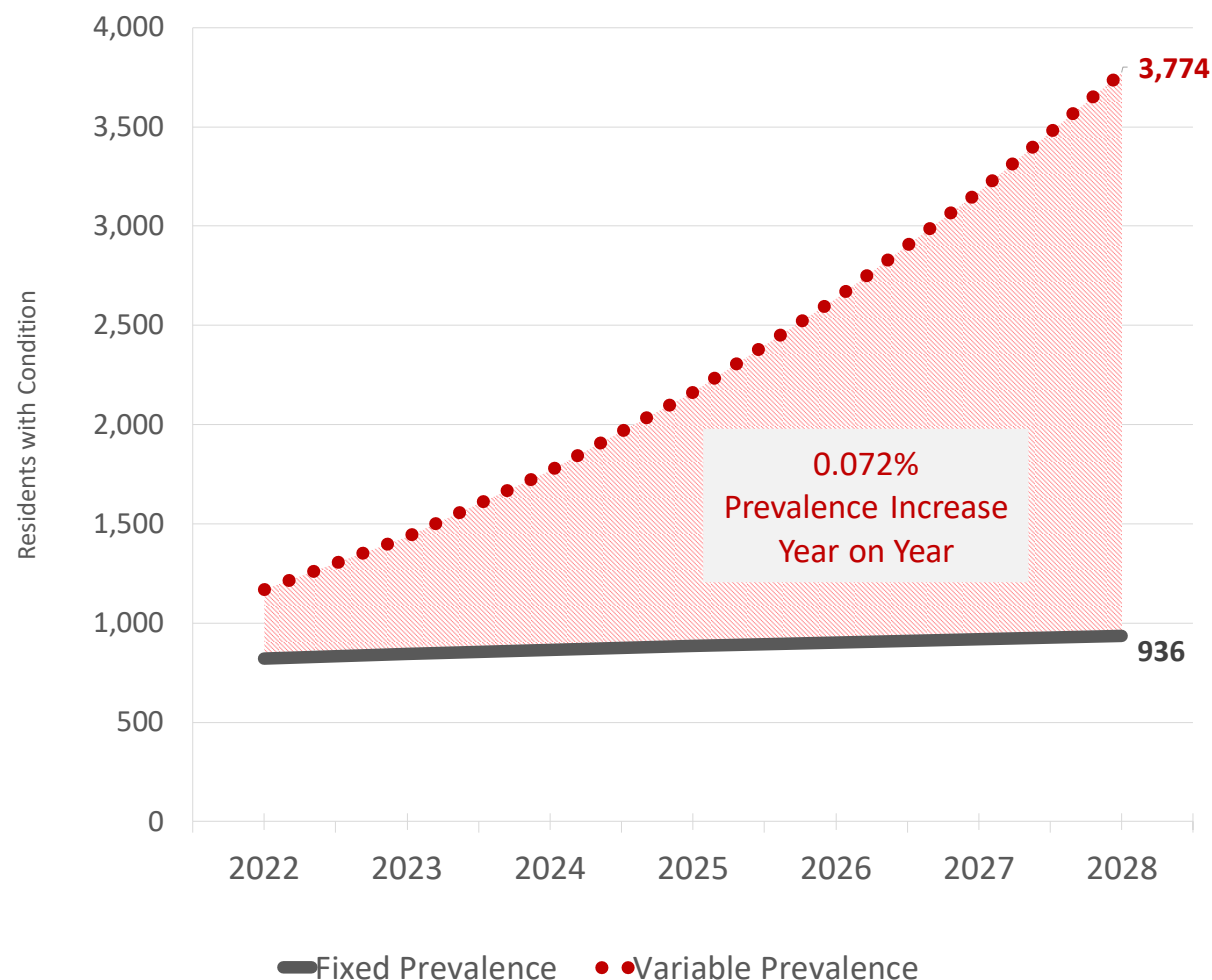
Osteoporosis - Variable Prevalence

Forecasted Number of Southampton Residents
with Osteoporosis 2022 - 2028 (Fixed Prevalence & Variable Prevalence)
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

- Local GP QOF data identified a recent **increase** in the prevalence of osteoporosis

- Equivalent to 0.072% increase per year / 2,838 more cases by 2028 vs fixed prevalence forecast

Caution is needed with these projections

- Changing prevalence may be as a result of a change in recording by GPs; rather than a true change in prevalence

- Uncertain how realistic it is to expect current trend to continue, but may provide 'best / worst case' scenario

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Parkinsons Disease

Forecasted Number of Southampton Residents with Parkinsons Disease 2022 - 2028

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+14% Increase by 2028

Prevalence of Parkinsons Disease in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

With Parkinsons Disease: **4**
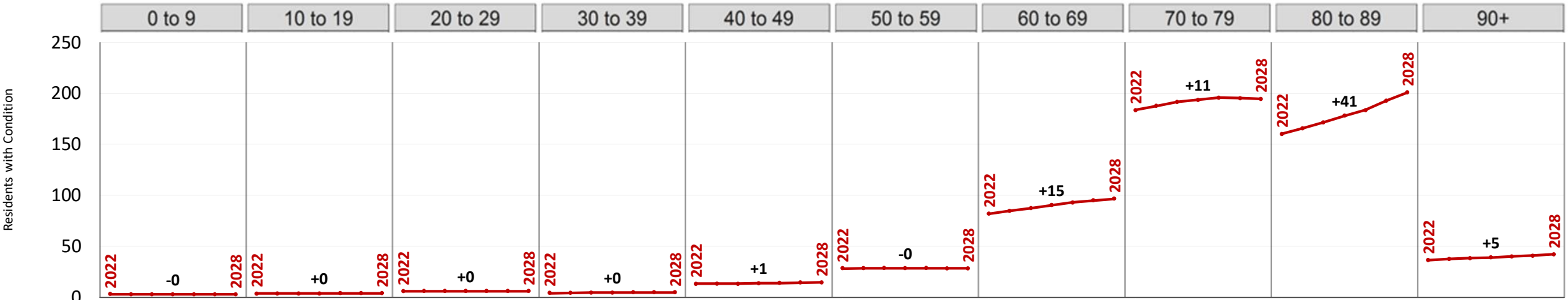
Without: **996**
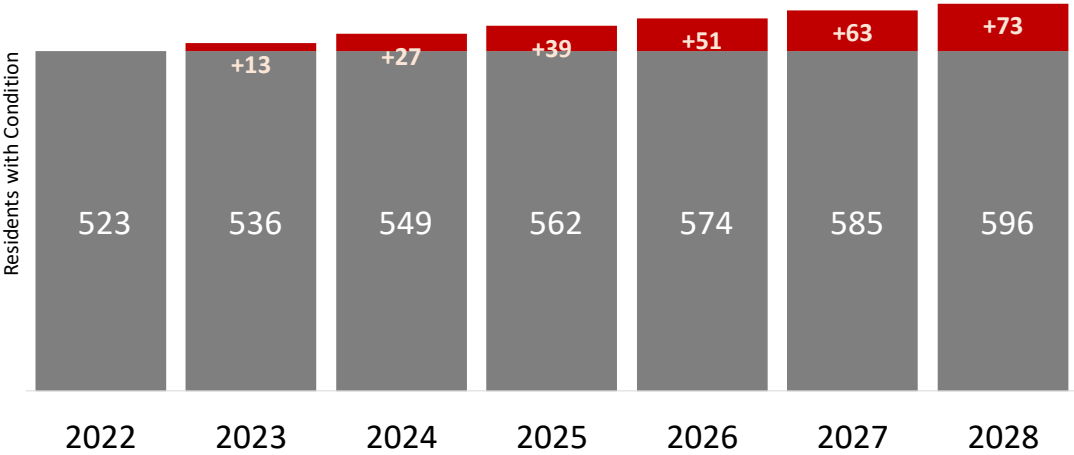
Forecasted Southampton Residents with Parkinsons Disease by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Residents with Condition

Chart values:
- 2022: 523
- 2023: 536 (+13)
- 2024: 549 (+27)
- 2025: 562 (+39)
- 2026: 574 (+51)
- 2027: 585 (+63)
- 2028: 596 (+73)

Locality values (2022 vs 2028):
- West: 168 / 189
- North & Central: 143 / 171
- East: 212 / 236
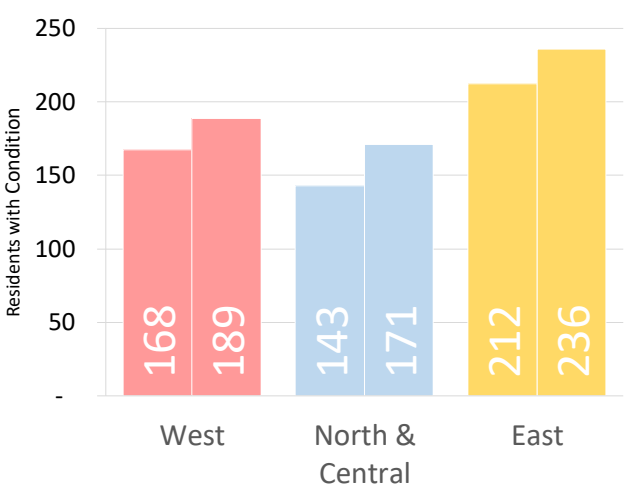
Forecasted Southampton Residents with Parkinsons Disease by Age-Band (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Residents with Condition

Age-Band	Change (2022 vs 2028)
0 to 9	-0
10 to 19	+0
20 to 29	+0
30 to 39	+0
40 to 49	+1
50 to 59	-0
60 to 69	+15
70 to 79	+11
80 to 89	+41
90+	+5

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Persistent Asthma

Prevalence of Persistent Asthma in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

72 With Persistent Asthma

928 Without

Forecasted Number of Southampton Residents with Persistent Asthma 2022 - 2028

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+7% **Increase by 2028**

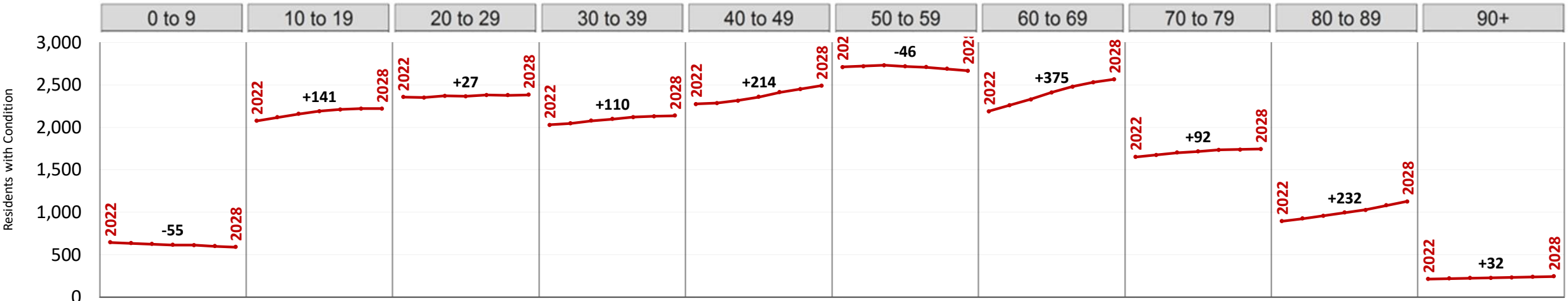| Year	Residents with Condition	Increase
2022	17,041	
2023	17,228	+187
2024	17,484	+443
2025	17,687	+646
2026	17,915	+874
2027	18,048	+1,007
2028	18,162	+1,121
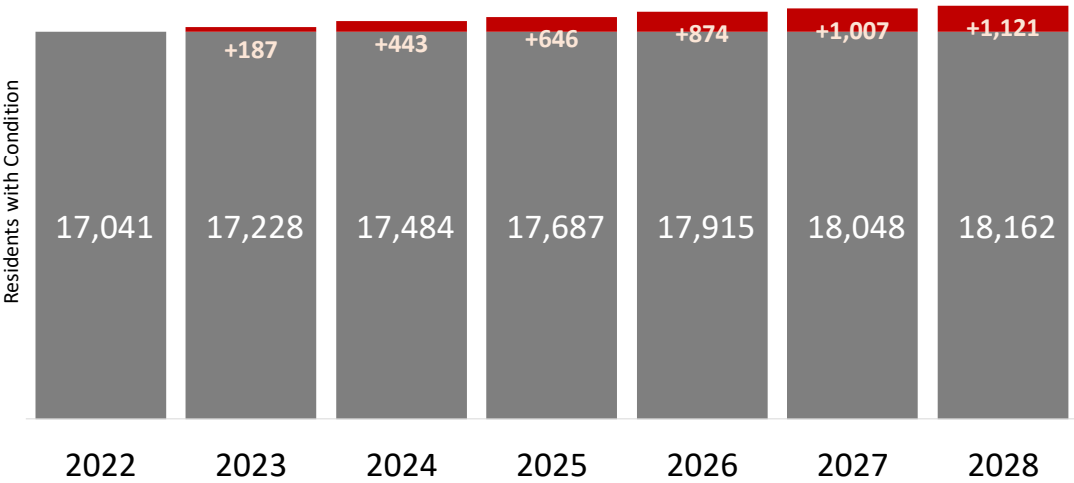
Forecasted Southampton Residents with Persistent Asthma by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	5,258	5,495
North & Central	5,751	6,409
East	6,032	6,257
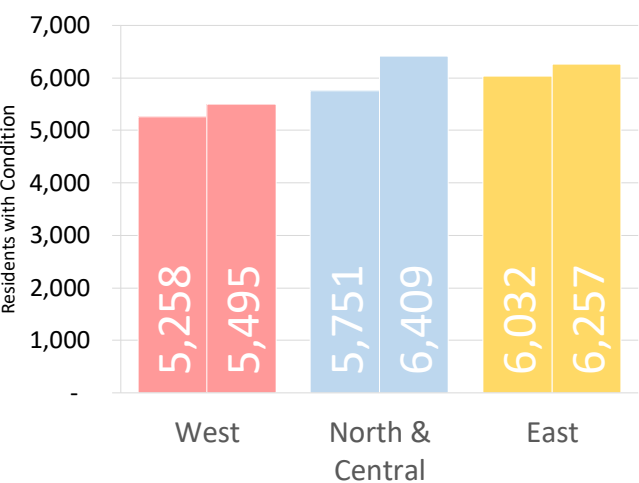
Forecasted Southampton Residents with Persistent Asthma by Age-Band (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 to 2028)
0 to 9	-55
10 to 19	+141
20 to 29	+27
30 to 39	+110
40 to 49	+214
50 to 59	-46
60 to 69	+375
70 to 79	+92
80 to 89	+232
90+	+32

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Persistent Asthma - Variable Prevalence

southampton dataobservatory

Forecasted Number of Southampton Residents
with Persistent Asthma 2022 - 2028 (Fixed Prevalence & Variable Prevalence)

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF
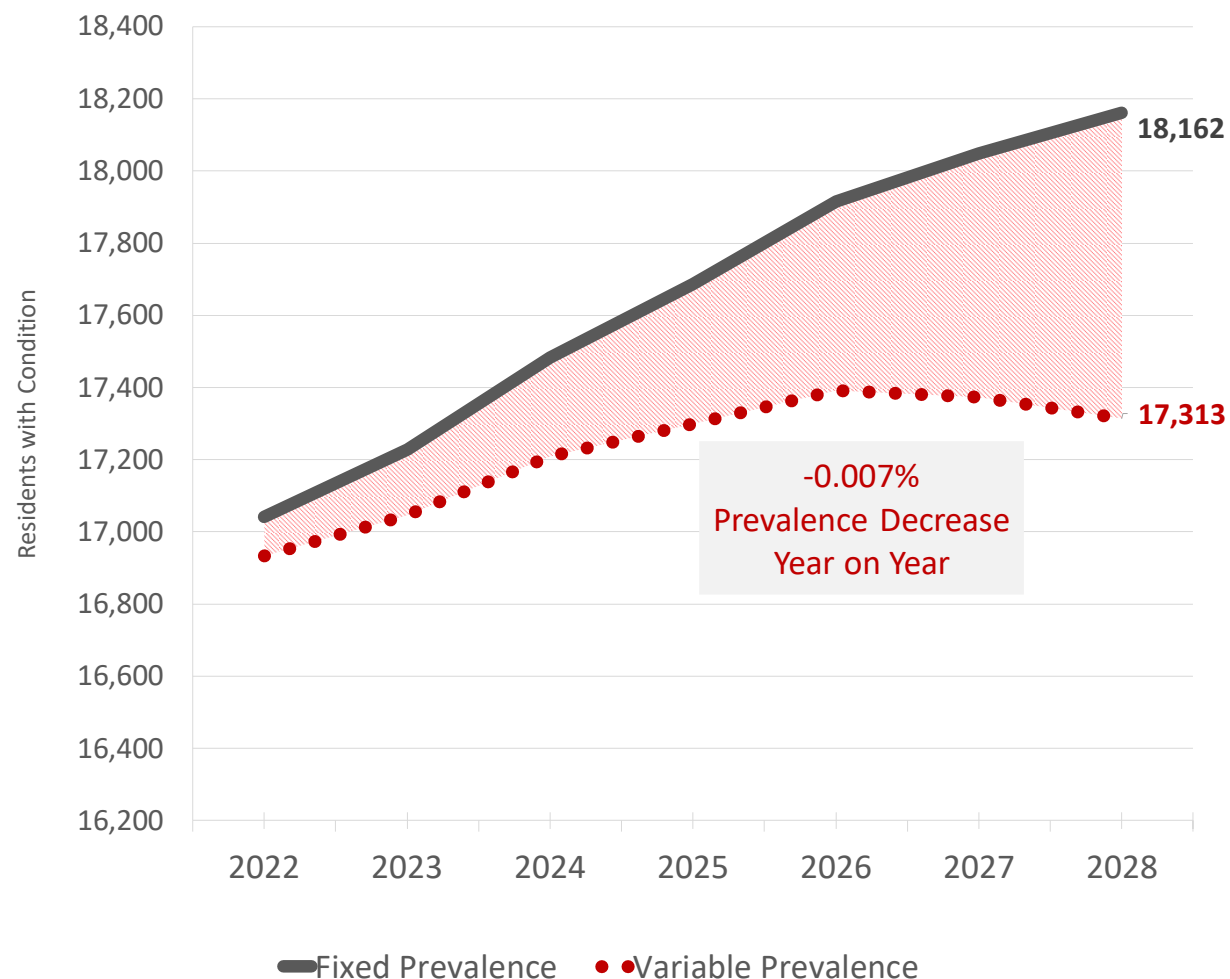
- Local GP QOF data identified a recent **decreases** in the prevalence of persistent asthma

- Equivalent to 0.007% decrease per year / 849 fewer cases by 2028 vs fixed prevalence forecast

Caution is needed with these projections

- Changing prevalence may be as a result of a change in recording by GPs; rather than a true change in prevalence

- Uncertain how realistic it is to expect current trend to continue, but may provide 'best / worst case' scenario

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Rheumatoid Arthritis

Forecasted Number of Southampton Residents with Rheumatoid Arthritis 2022 - 2028

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+10% Increase by 2028

Prevalence of Rheumatoid Arthritis in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

13 With Rheumatoid Arthritis

987 Without

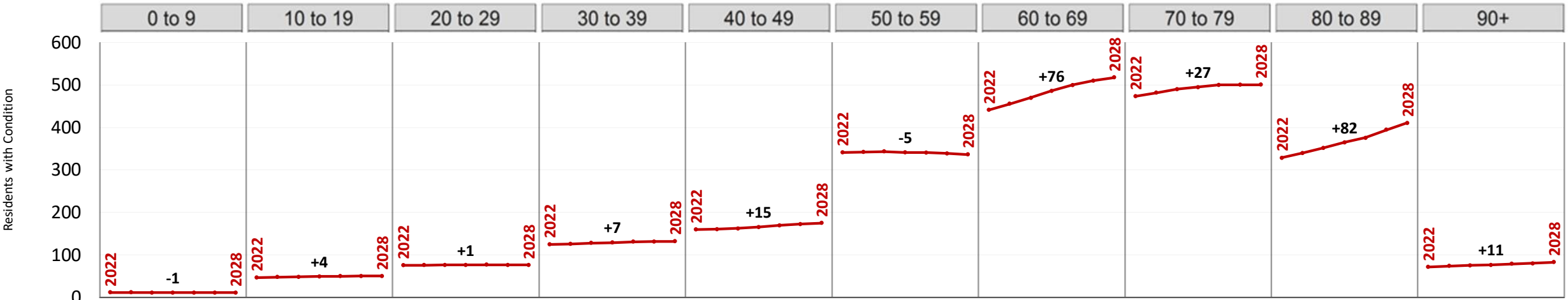| Year	Residents with Condition	Increase
2022	2,076	
2023	2,114	+39
2024	2,157	+81
2025	2,195	+120
2026	2,234	+158
2027	2,266	+190
2028	2,293	+217

Forecasted Southampton Residents with Rheumatoid Arthritis by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	665	722
North & Central	599	699
East	811	872
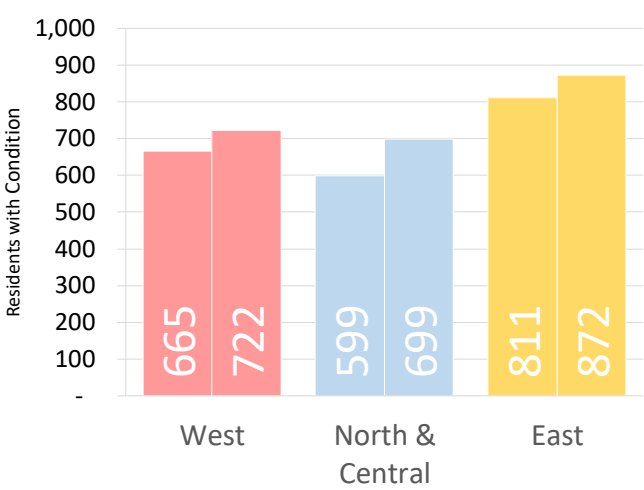
Forecasted Southampton Residents with Rheumatoid Arthritis by Age-Band (2022 vs 2028)

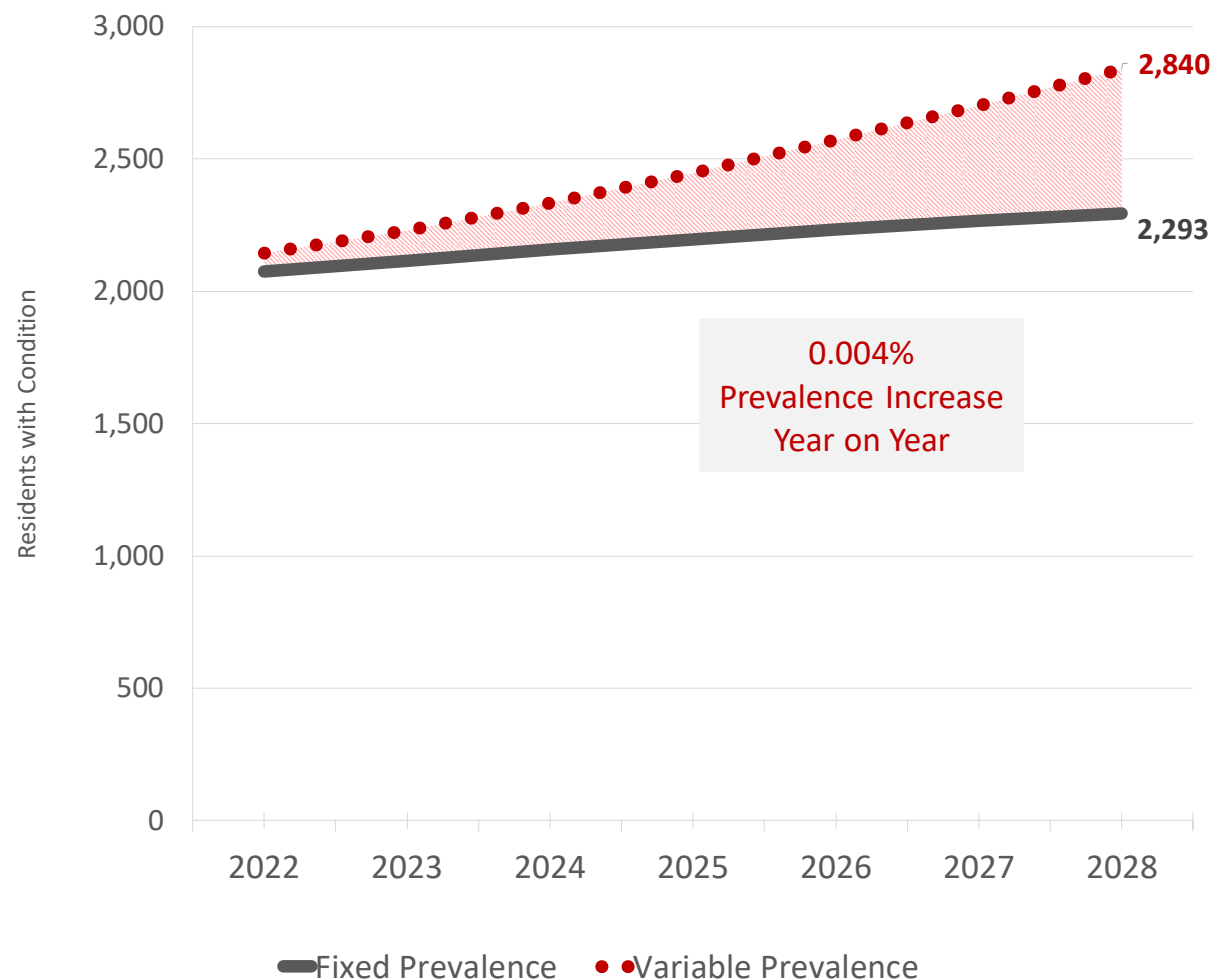Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 vs 2028)
0 to 9	-1
10 to 19	+4
20 to 29	+1
30 to 39	+7
40 to 49	+15
50 to 59	-5
60 to 69	+76
70 to 79	+27
80 to 89	+82
90+	+11

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Forecasted Number of Southampton Residents
with Rheumatoid Arthritis 2022 - 2028 (Fixed Prevalence & Variable Prevalence)
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

- Local GP QOF data identified a recent **increase** in the prevalence of rheumatoid arthritis

- Equivalent to 0.004% increase per year / 547 more cases by 2028 vs fixed prevalence forecast

Caution is needed with these projections

- Changing prevalence may be as a result of a change in recording by GPs; rather than a true change in prevalence

- Uncertain how realistic it is to expect current trend to continue, but may provide 'best / worst case' scenario

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Schizophrenia

Prevalence of Schizophrenia in Southampton (2021 Baseline)
Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

11 With Schizophrenia

989 Without

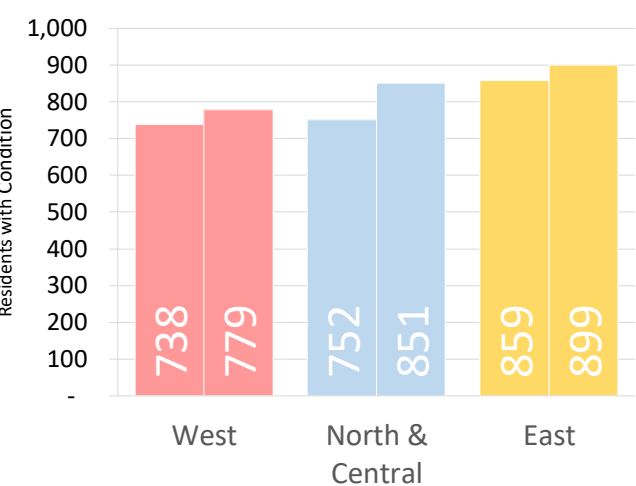## Forecasted Number of Southampton Residents with Schizophrenia 2022 - 2028
Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+8% Increase by 2028

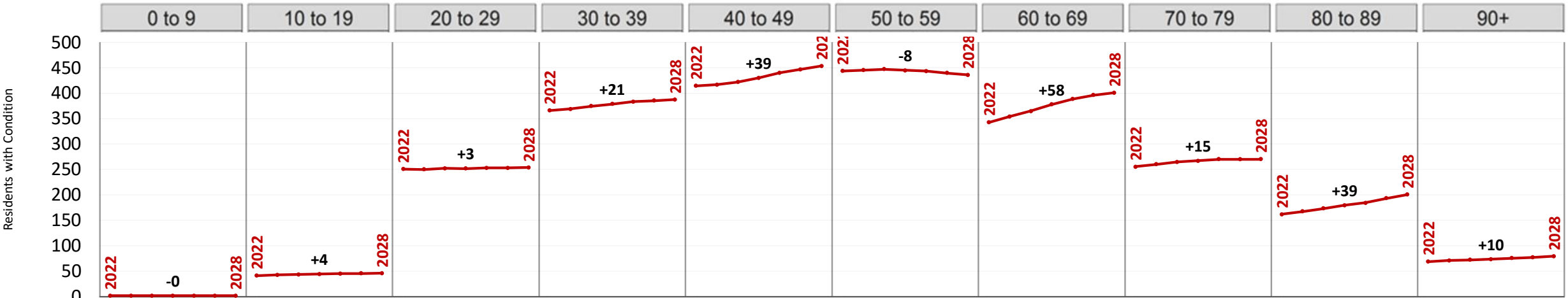| Year	Residents with Condition	Increase
2022	2,349	
2023	2,379	+30
2024	2,417	+69
2025	2,450	+101
2026	2,486	+137
2027	2,509	+160
2028	2,529	+181
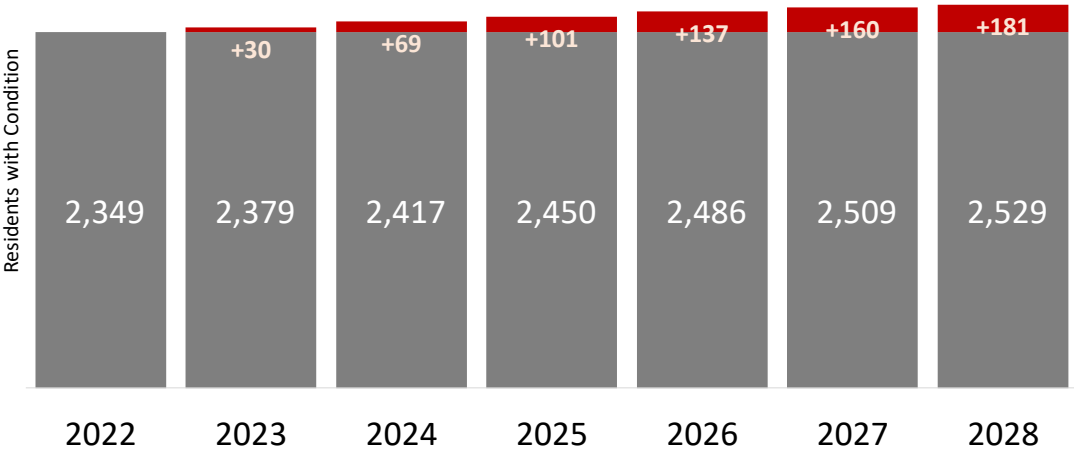
Forecasted Southampton Residents with Schizophrenia by Locality (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	738	779
North & Central	752	851
East	859	899

Forecasted Southampton Residents with Schizophrenia by Age-Band (2022 vs 2028)
Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 to 2028)
0 to 9	-0
10 to 19	+4
20 to 29	+3
30 to 39	+21
40 to 49	+39
50 to 59	-8
60 to 69	+58
70 to 79	+15
80 to 89	+39
90+	+10

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Seizure Disorder

Prevalence of Seizure Disorder in Southampton (2021 Baseline)

Source: Modelled data using Sollis patient data
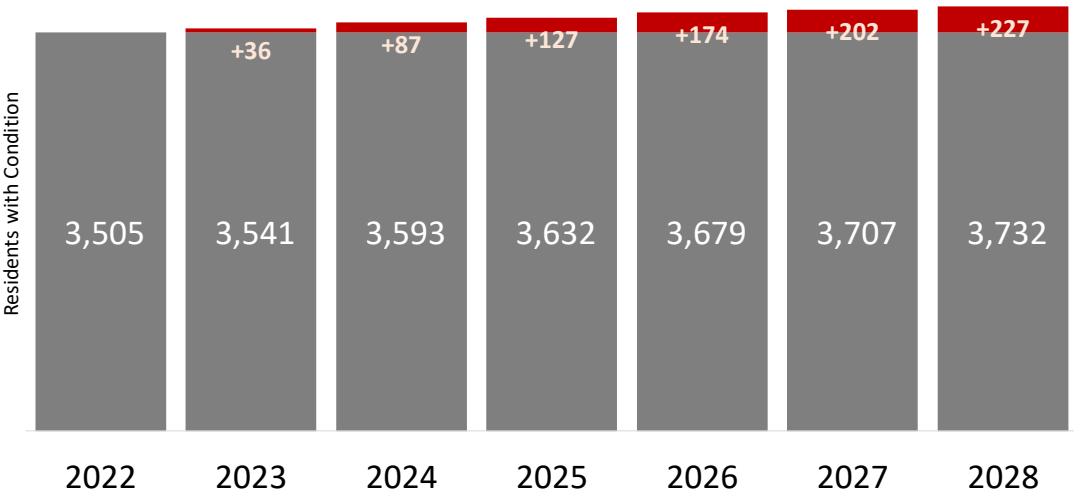
Cases per 1,000 Residents

15 With Seizure Disorder

985 Without

Forecasted Number of Southampton Residents with Seizure Disorder 2022 - 2028

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+6% **Increase by 2028**

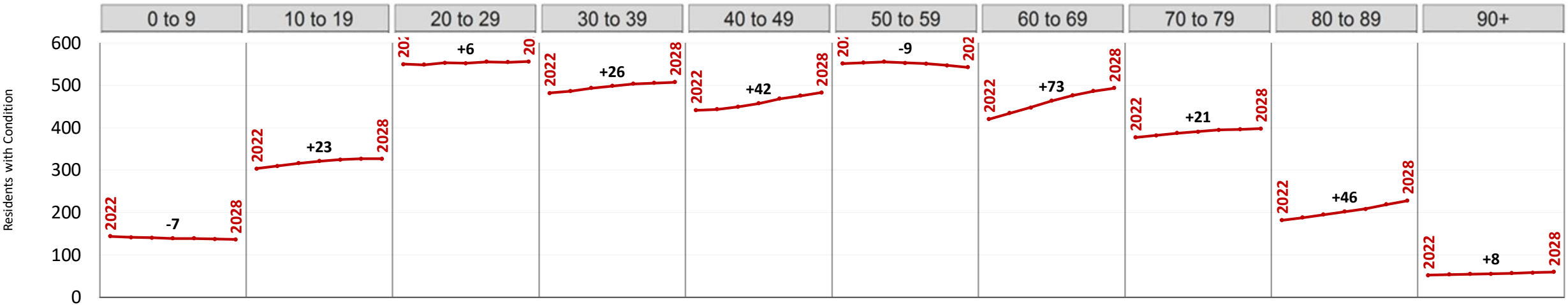| Year	Residents with Condition	Increase
2022	3,505	
2023	3,541	+36
2024	3,593	+87
2025	3,632	+127
2026	3,679	+174
2027	3,707	+202
2028	3,732	+227

Forecasted Southampton Residents with Seizure Disorder by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	1,082	1,130
North & Central	1,182	1,313
East	1,242	1,288
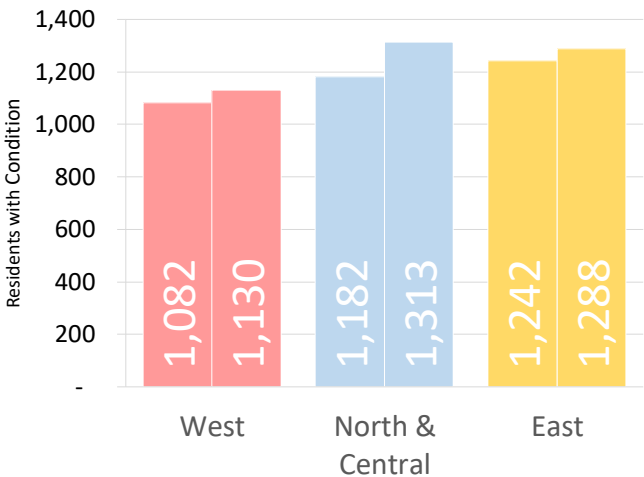
Forecasted Southampton Residents with Seizure Disorder by Age-Band (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change (2022 to 2028)
0 to 9	-7
10 to 19	+23
20 to 29	+6
30 to 39	+26
40 to 49	+42
50 to 59	-9
60 to 69	+73
70 to 79	+21
80 to 89	+46
90+	+8

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Chronic condition forecast (All Southampton Localities)

		Total Number of Cases in Southampton				Change vs 2022			
		2022	**2025**	**2028**		**2025**	**(%)**	**2028**	**(%)**
1	Hypertension	32,710	34,743	36,496		2,034	6%	3,787	12%
2	Diabetes	14,494	15,295	15,969		801	6%	1,475	10%
3	AvgFraility	15,384	16,174	16,836		790	5%	1,452	9%
4	Persistent Asthma	17,041	17,687	18,162		646	4%	1,121	7%
5	Renal Failure	6,449	6,939	7,401		490	8%	952	15%
6	Isc. Heart Conditions	6,698	7,173	7,595		475	7%	897	13%
7	COPD	6,787	7,239	7,618		452	7%	831	12%
8	Hyperthyroidism	7,487	7,894	8,241		407	5%	753	10%
9	Learning Disability	5,966	6,257	6,479		291	5%	513	9%
10	Lower Back Pain	5,571	5,830	6,040		259	5%	469	8%
11	Heart Failure	3,307	3,548	3,769		241	7%	462	14%
12	Glaucoma	3,298	3,529	3,730		230	7%	431	13%
13	AMD	2,740	2,955	3,159		216	8%	419	15%
14	Dementia	1,827	1,980	2,124		153	8%	298	16%
15	Falls	1,823	1,970	2,116		147	8%	293	16%
16	Seizure Disorder	3,505	3,632	3,732		127	4%	227	6%
17	Rheumatoid Arthritis	2,076	2,195	2,293		120	6%	217	10%
18	Schizophrenia	2,349	2,450	2,529		101	4%	181	8%
19	Osteoporosis	821	884	936		63	8%	115	14%
20	Bipolar	1,168	1,213	1,245		45	4%	77	7%
21	Parkinsons Disease	523	562	596		39	7%	73	14%
22	Immunosuppression	195	204	211		9	4%	16	8%
	Total	*140,330*	*148,373*	*155,224*		*8,042*	*6%*	*14,894*	*11%*
	Need for Help	2,740	2,955	3,159		216	8%	419	15%
	3+ Conditions	49,169	51,792	53,987		2,623	5%	4,818	10%
	5+ Conditions	20,973	22,294	23,436		1,321	6%	2,462	12%

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Chronic condition forecast (West Locality)

		Total Number of Cases in Southampton				Change vs 2022				
		2022	**2025**	**2028**		**2025**	**(%)**	**2028**	**(%)**	
1	Hypertension	10,601	11,168	11,614		567	5%	1,013	10%	
2	Diabetes	4,676	4,893	5,051		216	5%	375	8%	
3	AvgFraility	4,818	5,035	5,189		217	5%	371	8%	
4	Renal Failure	2,047	2,193	2,325		146	7%	278	14%	
5	Isc. Heart Conditions	2,158	2,295	2,412		138	6%	255	12%	
6	Persistent Asthma	5,258	5,420	5,495		163	3%	238	5%	
7	COPD	2,206	2,333	2,435		127	6%	228	10%	
8	Hyperthyroidism	2,403	2,514	2,594		111	5%	191	8%	
9	Heart Failure	1,056	1,127	1,188		71	7%	132	13%	
10	Learning Disability	1,881	1,960	2,007		78	4%	125	7%	
11	AMD	867	931	990		64	7%	123	14%	
12	Glaucoma	1,058	1,125	1,181		67	6%	123	12%	
13	Lower Back Pain	1,756	1,825	1,869		69	4%	113	6%	
14	Dementia	570	617	661		47	8%	91	16%	
15	Falls	579	622	664		43	7%	85	15%	
16	Rheumatoid Arthritis	665	698	722		33	5%	57	9%	
17	Seizure Disorder	1,082	1,114	1,130		32	3%	48	4%	
18	Schizophrenia	738	764	779		26	4%	41	6%	
19	Osteoporosis	263	281	297		19	7%	34	13%	
20	Parkinsons Disease	168	179	189		11	7%	21	13%	
21	Bipolar	367	378	383		12	3%	16	4%	
22	Immunosuppression	64	66	67		2	3%	4	6%	
	Total	*44,680*	*46,917*	*48,603*		*2,237*	*5%*	*3,922*	*9%*	
	Need for Help	2,740	2,955	3,159		216	8%	419	15%	
	3+ Conditions	15,628	16,346	16,862		718	5%	1,234	8%	
	5+ Conditions	6,726	7,101	7,398		375	6%	672	10%	

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Chronic condition forecast (North & Central Locality)

		Total Number of Cases in Southampton				Change vs 2022			
		2022	**2025**	**2028**		**2025**	**(%)**	**2028**	**(%)**
1	Hypertension	8,977	9,844	10,648		867	10%	1,671	19%
2	Diabetes	4,127	4,492	4,830		365	9%	704	17%
3	AvgFrailty	4,810	5,164	5,493		354	7%	683	14%
4	Persistent Asthma	5,751	6,096	6,409		345	6%	658	11%
5	Isc. Heart Conditions	1,819	2,004	2,175		185	10%	356	20%
6	Hyperthyroidism	2,177	2,360	2,533		183	8%	356	16%
7	COPD	1,822	2,008	2,175		186	10%	353	19%
8	Renal Failure	1,799	1,978	2,150		179	10%	351	20%
9	Learning Disability	1,861	1,999	2,122		138	7%	260	14%
10	Lower Back Pain	1,746	1,870	1,987		125	7%	241	14%
11	Heart Failure	917	1,008	1,094		91	10%	178	19%
12	Glaucoma	911	1,001	1,082		90	10%	172	19%
13	AMD	767	845	919		77	10%	151	20%
14	Seizure Disorder	1,182	1,250	1,313		68	6%	132	11%
15	Falls	504	556	606		52	10%	102	20%
16	Dementia	521	573	623		52	10%	102	20%
17	Rheumatoid Arthritis	599	652	699		52	9%	100	17%
18	Schizophrenia	752	803	851		51	7%	100	13%
19	Bipolar	379	403	425		23	6%	45	12%
20	Osteoporosis	223	247	267		23	10%	43	19%
21	Parkinsons Disease	143	158	171		15	10%	28	20%
22	Immunosuppression	56	60	65		4	8%	9	16%
	Total	*41,421*	*44,906*	*48,136*		*3,484*	*8%*	*6,715*	*16%*
	Need for Help	2,740	2,955	3,159		216	8%	419	15%
	3+ Conditions	14,706	15,884	16,977		1,178	8%	2,271	15%
	5+ Conditions	5,933	6,479	6,984		546	9%	1,051	18%

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Chronic condition forecast (East Locality)

		Total Number of Cases in Southampton			Change vs 2022			
		2022	**2025**	**2028**	**2025**	**(%)**	**2028**	**(%)**
1	Hypertension	13,131	13,732	14,234	600	5%	1,103	8%
2	AvgFraility	5,756	5,974	6,154	218	4%	398	7%
3	Diabetes	5,691	5,910	6,087	219	4%	396	7%
4	Renal Failure	2,603	2,767	2,925	165	6%	323	12%
5	Isc. Heart Conditions	2,722	2,874	3,007	152	6%	286	10%
6	COPD	2,758	2,897	3,008	139	5%	250	9%
7	Persistent Asthma	6,032	6,170	6,257	138	2%	225	4%
8	Hyperthyroidism	2,907	3,020	3,114	113	4%	206	7%
9	Heart Failure	1,334	1,413	1,487	79	6%	153	11%
10	AMD	1,105	1,179	1,250	74	7%	145	13%
11	Glaucoma	1,329	1,403	1,466	74	6%	137	10%
12	Learning Disability	2,223	2,298	2,350	75	3%	127	6%
13	Lower Back Pain	2,069	2,134	2,184	65	3%	114	6%
14	Falls	741	792	846	52	7%	106	14%
15	Dementia	736	789	841	53	7%	105	14%
16	Rheumatoid Arthritis	811	845	872	34	4%	60	7%
17	Seizure Disorder	1,242	1,269	1,288	27	2%	47	4%
18	Schizophrenia	859	883	899	24	3%	40	5%
19	Osteoporosis	335	356	373	20	6%	38	11%
20	Parkinsons Disease	212	225	236	13	6%	24	11%
21	Bipolar	421	431	437	10	2%	15	4%
22	Immunosuppression	76	78	80	2	3%	4	5%
	Total	*54,385*	*56,706*	*58,643*	*2,322*	*4%*	*4,258*	*8%*
	Need for Help	2,740	2,955	3,159	216	8%	419	15%
	3+ Conditions	18,835	19,562	20,148	726	4%	1,313	7%
	5+ Conditions	8,314	8,714	9,054	400	5%	740	9%

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base

Need for home care / physical support

- Need defined as unable to carry out 5 or more activities of daily living (ADL) [1]
- National data is available from Health Survey for England (HSE)

ADLs	Instrumental ADLs
Getting up and down stairs	Shopping for food
Having a bath or shower	Doing routine housework or laundry
Dressing or undressing	Getting out of the house
Getting in and out of bed	Doing paperwork or paying bills
Getting around indoors	
Taking medicine	
Using the toilet	
Eating, including cutting up food	
Washing face and hands	

Need defined as being unable to carry out the activity on own i.e.

- *"I can only do this with help from someone"*

or

- *"I cannot do this"*

[1] Bolton, J. Predicting and managing demand in social care. Discussion paper. April 2016. Oxford Brooks University Institute of Public Care.

- Using HSE data a national model of need for help with 5 or more activities of daily living (ADL) was developed

  - Chose predictive variables also available on ACG dataset. These included: age, sex, deprivation quintile, normalised number of chronic conditions and smoking status (yes/no)

- National model equation applied to Southampton ACG data 2017

  - To predict probability of need for help in Southampton by age band

- Combined with HCC population forecasts to produce counts of people for each year between 2022 and 2028

- This is considered to be the **underlying** demand in the population

Need for Help with 5 or More ADL

Prevalence of Need for Help in Southampton (2021 Baseline)

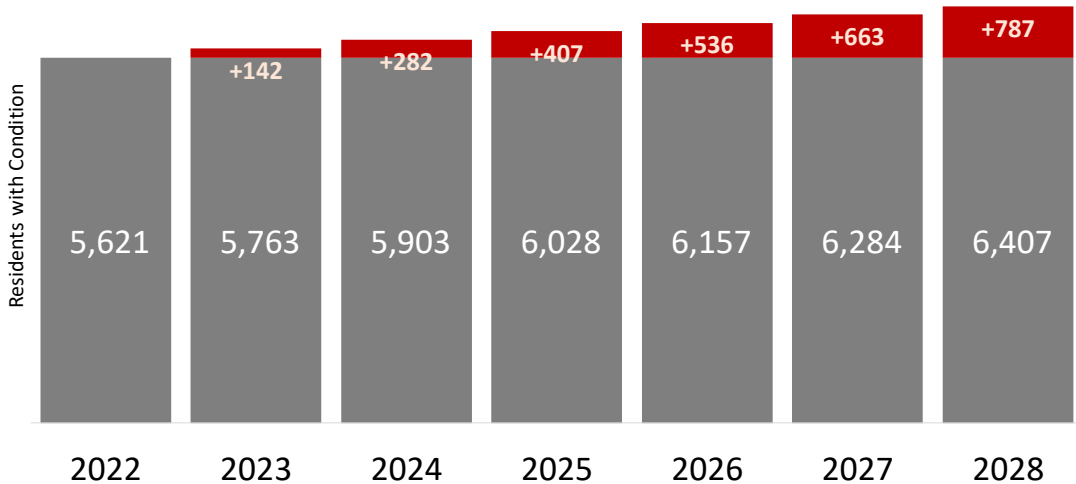Source: Modelled data using Sollis patient data

Cases per 1,000 Residents

56 With Need for Help

944 Without

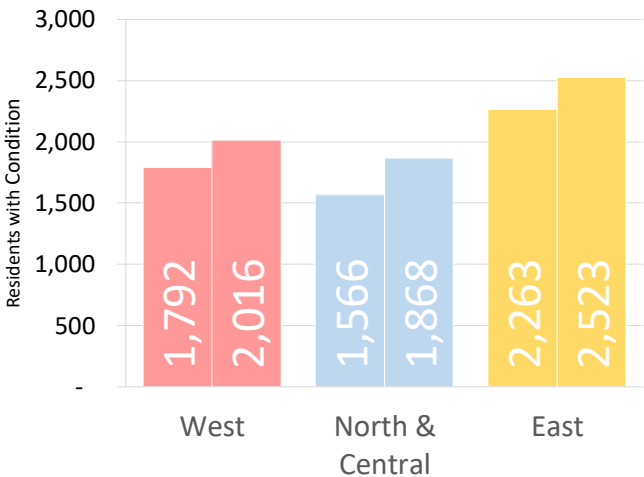## Forecasted Number of Southampton Residents with Need for Help 2022 - 2028

Source: Modelled data using Sollis patient data, OHID Fingertips and HCC SAPF

+14% Increase by 2028

Year	Residents with Condition	Increase
2022	5,621	
2023	5,763	+142
2024	5,903	+282
2025	6,028	+407
2026	6,157	+536
2027	6,284	+663
2028	6,407	+787

Forecasted Southampton Residents with Need for Help by Locality (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Locality	2022	2028
West	1,792	2,016
North & Central	1,566	1,868
East	2,263	2,523

Forecasted Southampton Residents with Need for Help by Age-Band (2022 vs 2028)

Source: Modelled data using Sollis patient data and HCC SAPF Population Forecast

Age-Band	Change 2022 to 2028
0 to 9	0
10 to 19	0
20 to 29	+0
30 to 39	+3
40 to 49	+9
50 to 59	-5
60 to 69	+170
70 to 79	+83
80 to 89	+369
90+	+157

Data source: Hampshire County Council, Small Area Population Forecasts(SAPF) 2021 base