CAncer Together with other Chronic Health conditions: understanding population characteristics and healthcare resource use in general practice (CATCH)

Michelle Collinson[1], Ellen Mason[1], Amanda Farrin[1], Laura Ashley[2], Suzanne Richards[3], Graham Brunt[4], Jacqui Gath[5], Margaret Ogden[5], Claire Surr[6]

[1]Clinical Trials Research Unit, University of Leeds; [2]School of Social Sciences, Leeds Beckett University; [3]Academic Unit of Primary Care, Leeds Institute of Health Sciences, University of Leeds; [4]Leeds Beckett University Service User and Carer Group, Leeds Beckett University; [5]Expert by experience; [6]Centre for Dementia Research, Leeds Beckett University.

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Setting the scene

Many people living with cancer also have other conditions (comorbidities) e.g. diabetes or depression.

Comorbidities alongside cancer lead to treatment complexities and may result in poorer patient outcomes.

Research is limited for the:

➢ prevalence of cancer and comorbidities;

➢ different combinations of comorbidities;

➢ healthcare use of people with cancer and comorbidities.

Word cloud: Anxiety, Epilepsy, Hypertension, Osteoarthritis, Chronic Pain, Parkinsons, Liver Disease, Heart Failure, Heart Attack, Rheumatism, Asthma, Osteoporosis, Thyroid disorders, Coronary Heart Disease, Atrial Fibrillation, Chronic Kidney Disease, Depression, Diabetes, Mental Health, Stroke, COPD

CATCH Project

Aim:

➢ Describe the population size, characteristics and healthcare use of people with cancer and comorbidities.
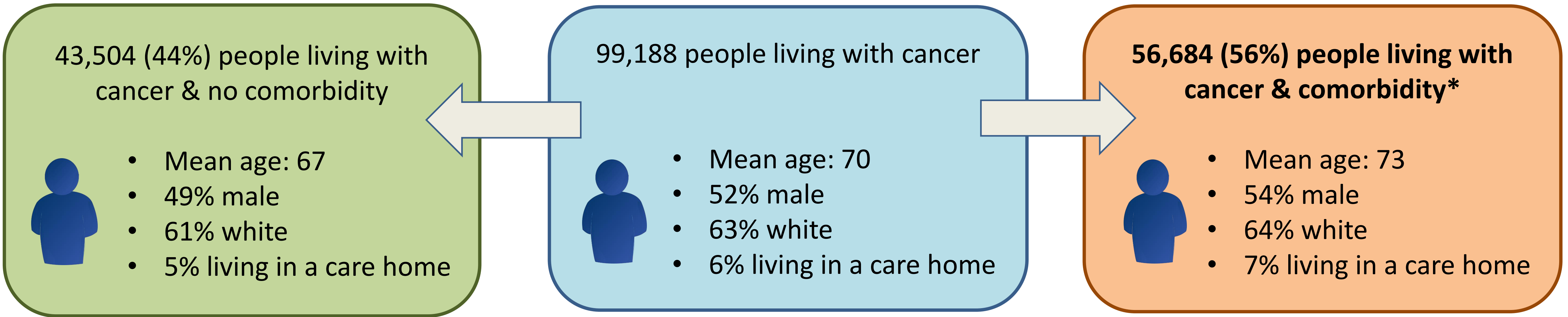
Population:

People aged 50+ with cancer and/or comorbidity consistent with Quality and Outcomes Framework eligibility between 2005 and 2016.
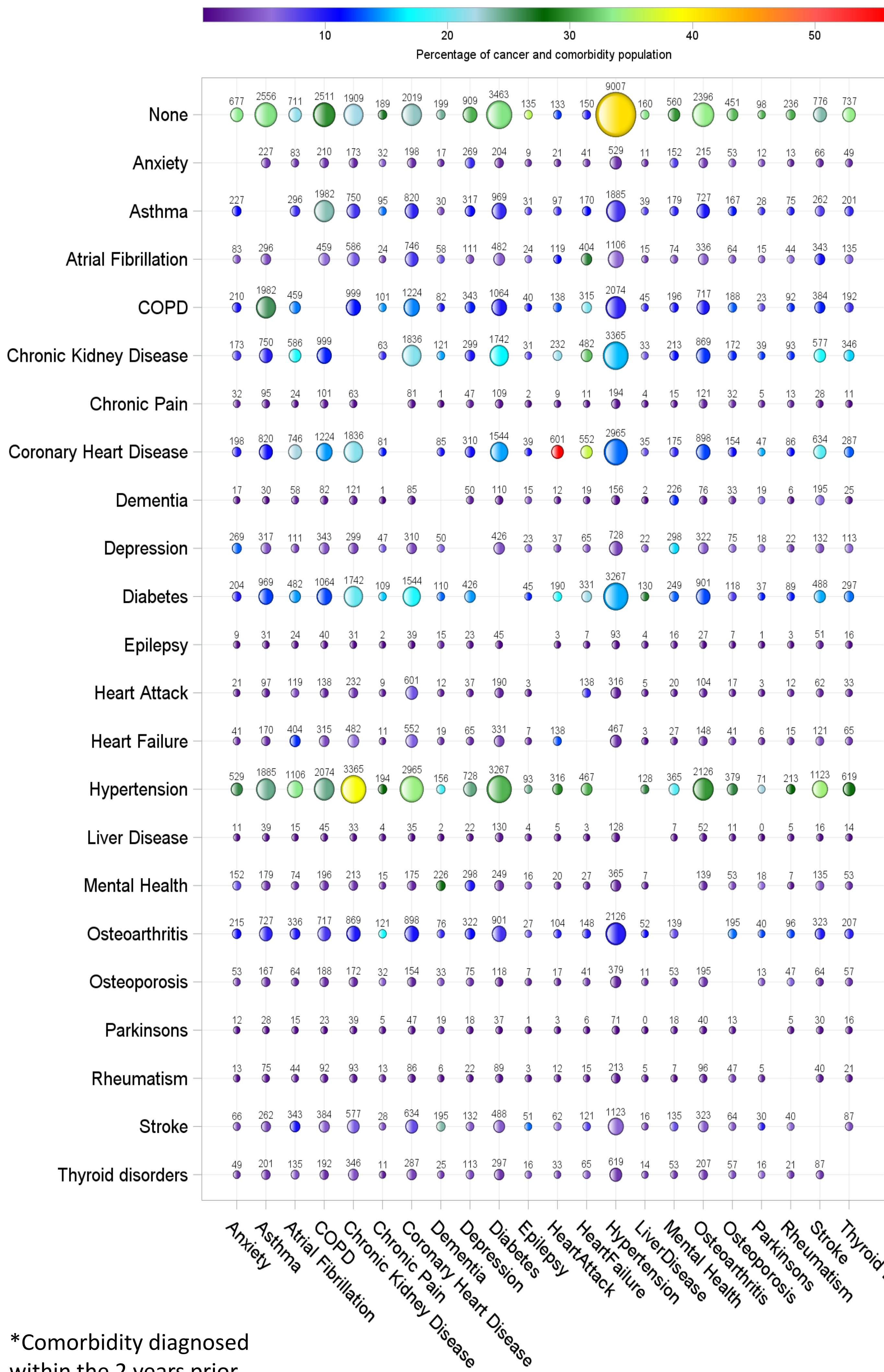
Data:

➢ Electronic health records from 391 English GP practices.

➢ 18 datasets, 37 million records.

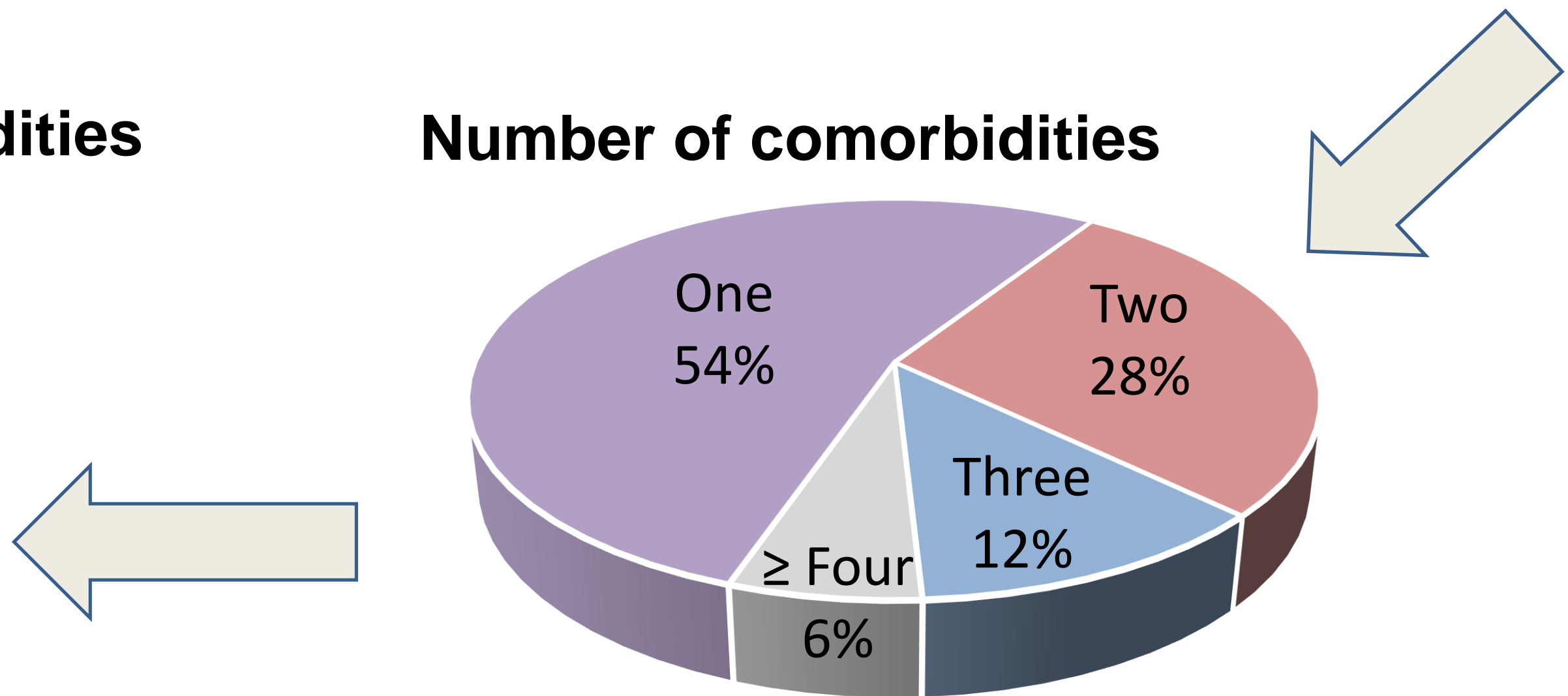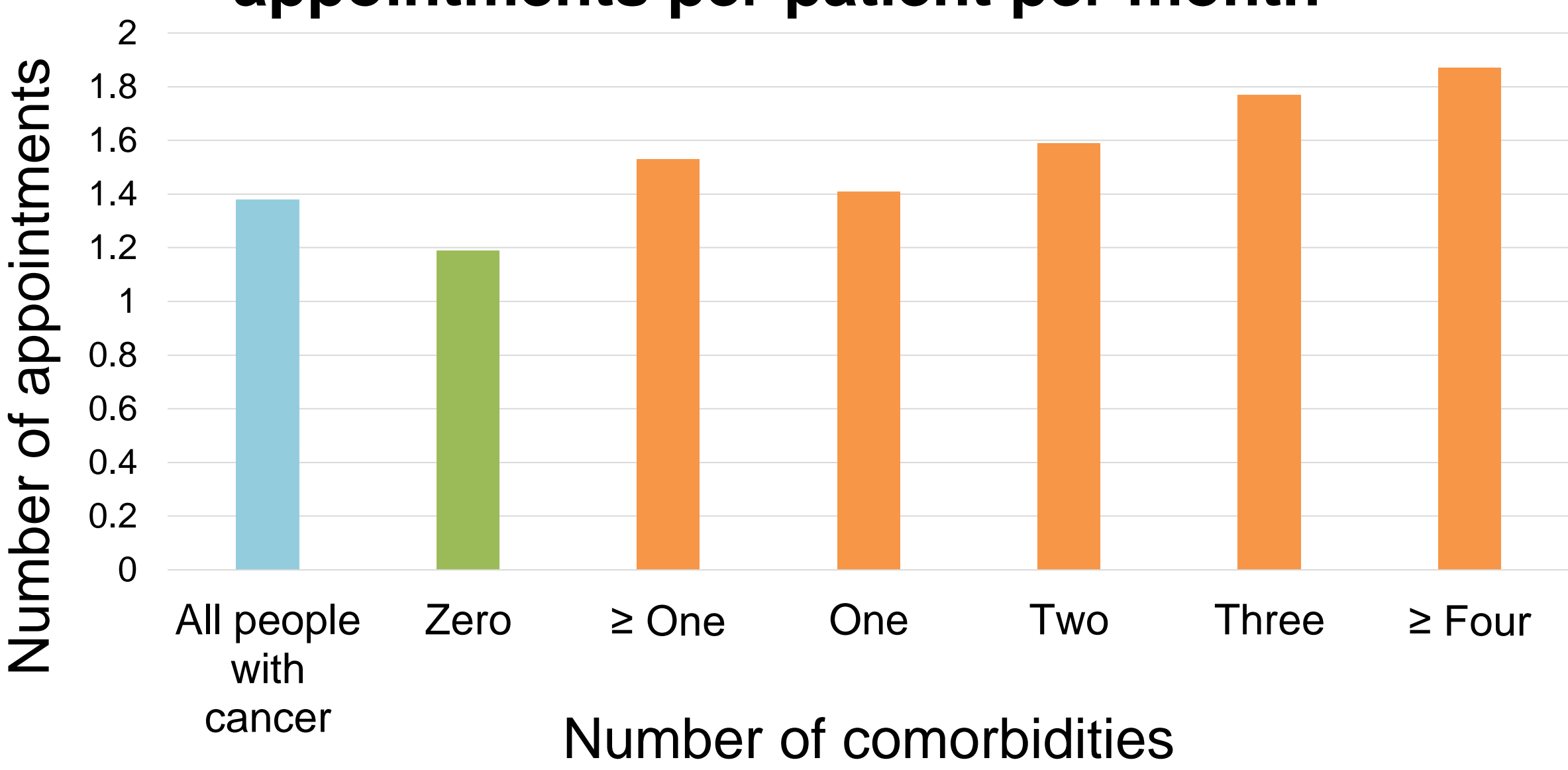➢ Demographics, comorbidities, healthcare usage.

What did we find?

43,504 (44%) people living with cancer & no comorbidity
- Mean age: 67
- 49% male
- 61% white
- 5% living in a care home

99,188 people living with cancer
- Mean age: 70
- 52% male
- 63% white
- 6% living in a care home

56,684 (56%) people living with cancer & comorbidity*
- Mean age: 73
- 54% male
- 64% white
- 7% living in a care home

Number of people with each combination of two comorbidities

Percentage of cancer and comorbidity population (10, 20, 30, 40, 50)

Rows/columns: None, Anxiety, Asthma, Atrial Fibrillation, COPD, Chronic Kidney Disease, Chronic Pain, Coronary Heart Disease, Dementia, Depression, Diabetes, Epilepsy, Heart Attack, Heart Failure, Hypertension, Liver Disease, Mental Health, Osteoarthritis, Osteoporosis, Parkinsons, Rheumatism, Stroke, Thyroid disorders

*Comorbidity diagnosed within the 2 years prior to cancer

Number of comorbidities

- One 54%
- Two 28%
- Three 12%
- ≥ Four 6%

Mean number of primary care appointments per patient per month

Number of appointments (y-axis: 0 to 2) vs Number of comorbidities (All people with cancer, Zero, ≥ One, One, Two, Three, ≥ Four)

Key messages

➢ **56%** of people with cancer also have a comorbidity.

➢ **Hypertension** (high blood pressure) is the **most common comorbidity** in people living with cancer.

➢ People with two comorbidities are most likely to have **hypertension** and **chronic kidney disease or diabetes or coronary heart disease.**

➢ People with cancer and comorbidities have only **slightly more primary care appointments** than those with cancer alone.

Want to know more?

Michelle Collinson
Email: M.Collinson@leeds.ac.uk

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