

Supplement to Projected Patterns of Illness in Ontario

Regional Analysis

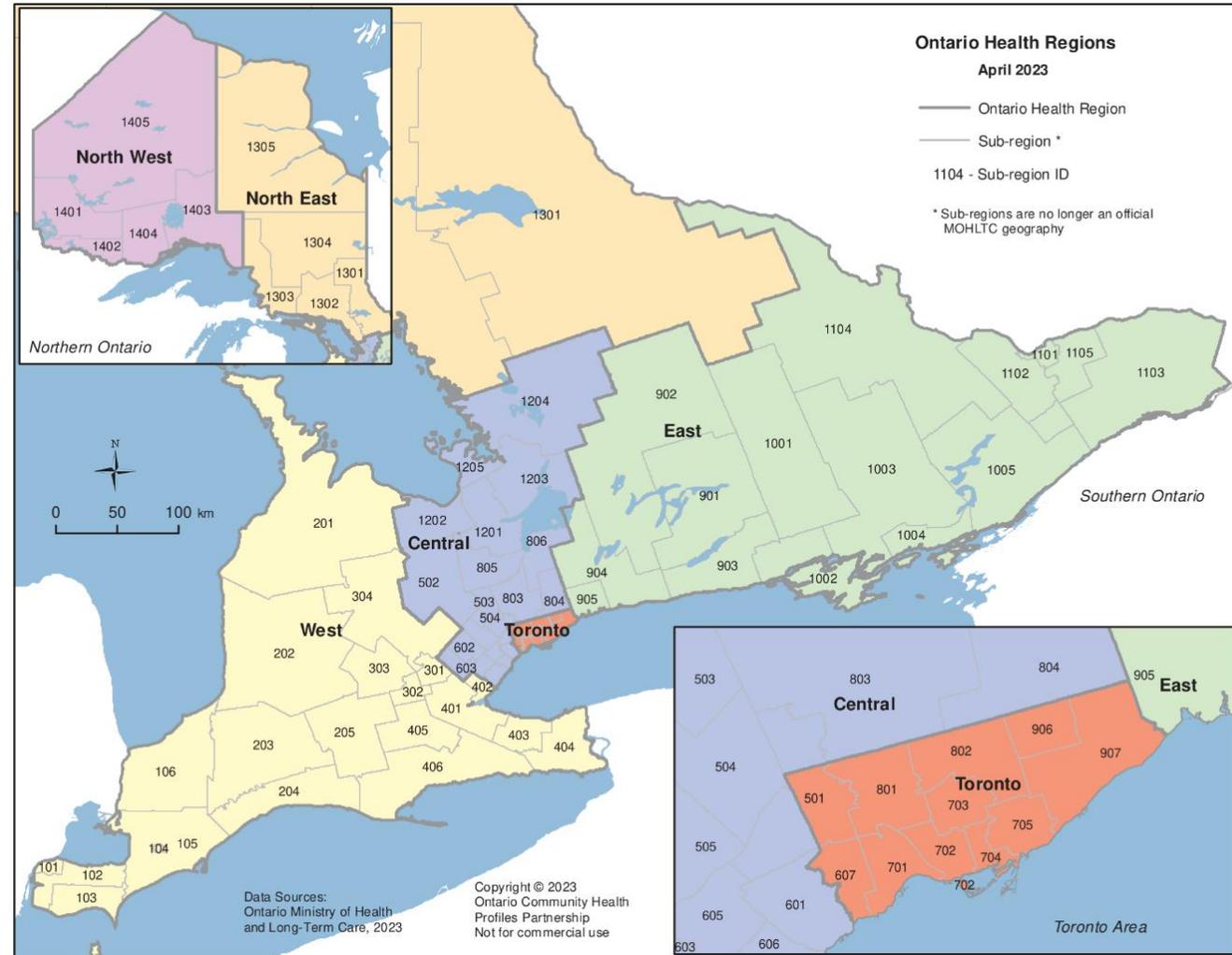
Projected Pattern of Illness Report: www.oha.com/health2040

Dalla Lana
School of Public Health

 Population Health
Analytics Laboratory

 Ontario
Hospital
Association

Map of Ontario Health Regions



Source: [Ontario Community Health Profiles Partnership \(OCHPP\)](#)

Chronic disease trends: Ontario and Ontario Health Regions

Top 5 most common chronic conditions (total # of cases), 2040 by Ontario Health Region

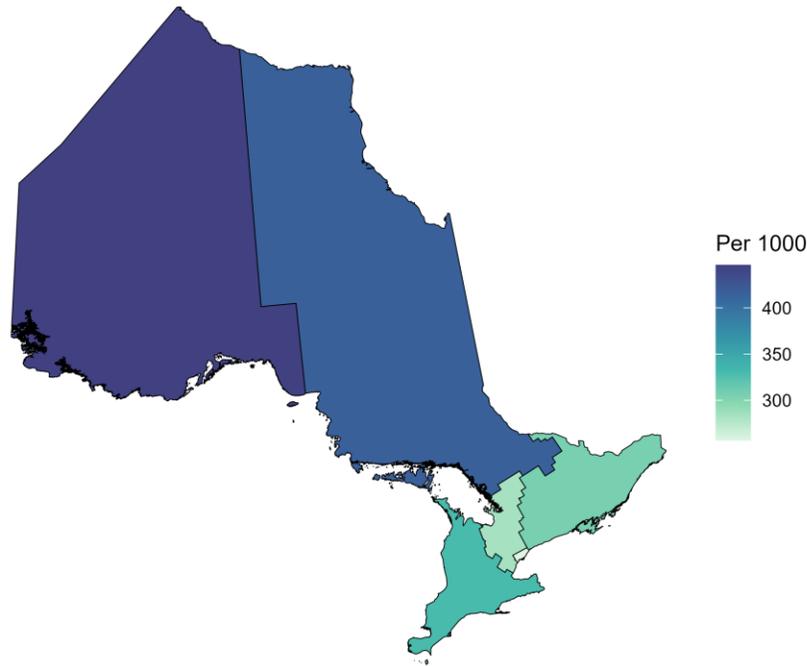
West	Central	Toronto	East	North East	North West	Ontario
Osteoarthritis	Osteoarthritis	Osteoarthritis	Osteoarthritis	Osteoarthritis	Osteoarthritis	Osteoarthritis
Hypertension	Hypertension	Hypertension	Hypertension	Hypertension	Hypertension	Hypertension
Diabetes	Diabetes	Diabetes	Asthma	Diabetes	Diabetes	Diabetes
Asthma	Asthma	Asthma	Diabetes	Asthma	Substance use disorders	Asthma
Hearing loss	Kidney disease and failure	Cancer	Hearing loss	COPD	Asthma	Cancer

Top 5 fastest growing chronic conditions (% change), 2020 to 2040, by Ontario Health Region

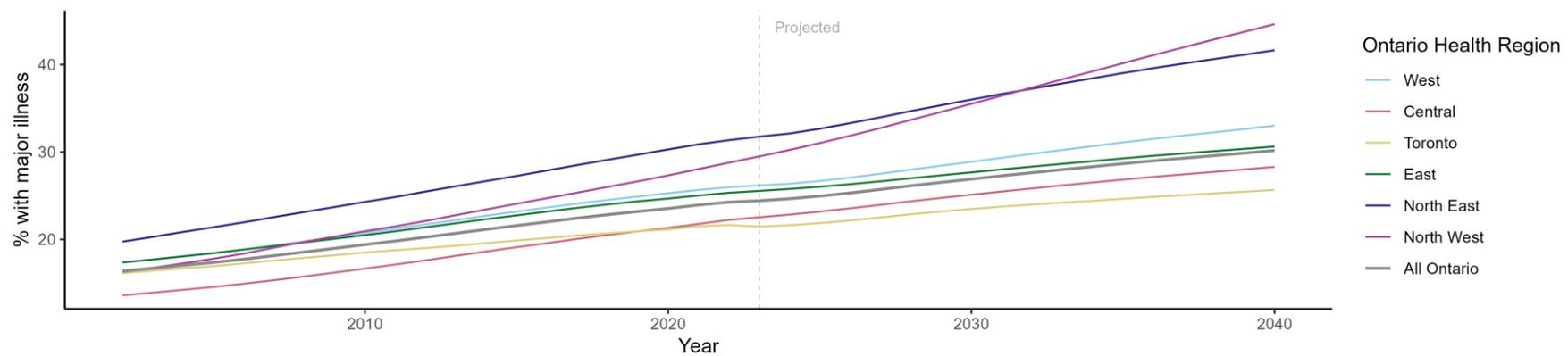
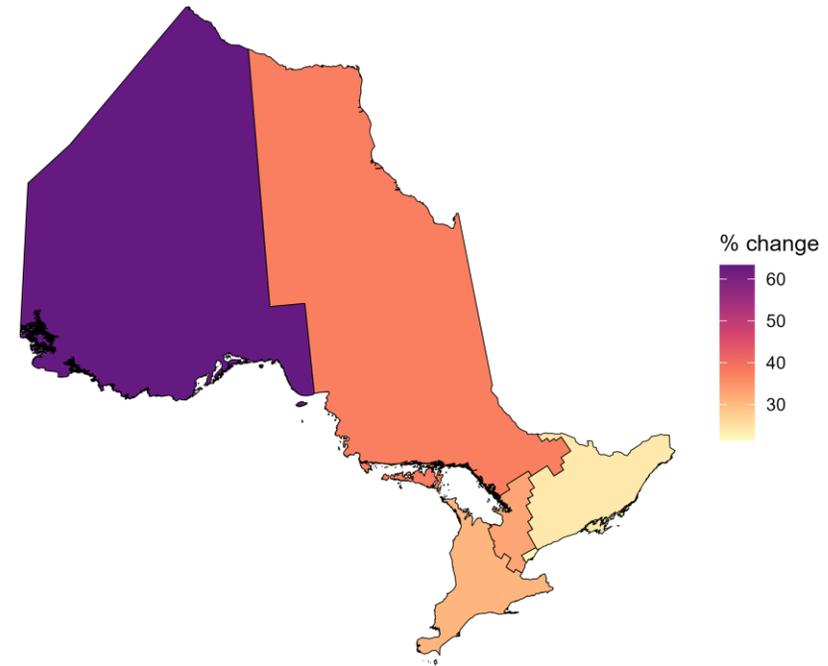
West	Central	Toronto	East	North East	North West	Ontario
Kidney disease and failure	Substance use disorders	Substance use disorders	Kidney disease and failure			
Substance use disorders	Hearing loss	Hearing loss	Hearing loss	Kidney disease and failure	Kidney disease and failure	Hearing loss
Hearing loss	Dementia	Crohn's and colitis	Crohn's and colitis	Hearing loss	Hearing loss	Substance use disorders
Crohn's and colitis	Osteoporosis	Cancer	Substance use disorders	Crohn's and colitis	Crohn's and colitis	Crohn's and colitis
Rheumatoid arthritis	Crohn's and colitis	Dementia	Dementia	Dementia	Dementia	Dementia

Major illness, 2002 to 2040, by Ontario Health Region

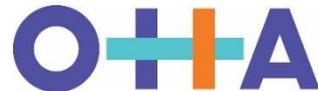
Population with major illness, 2040



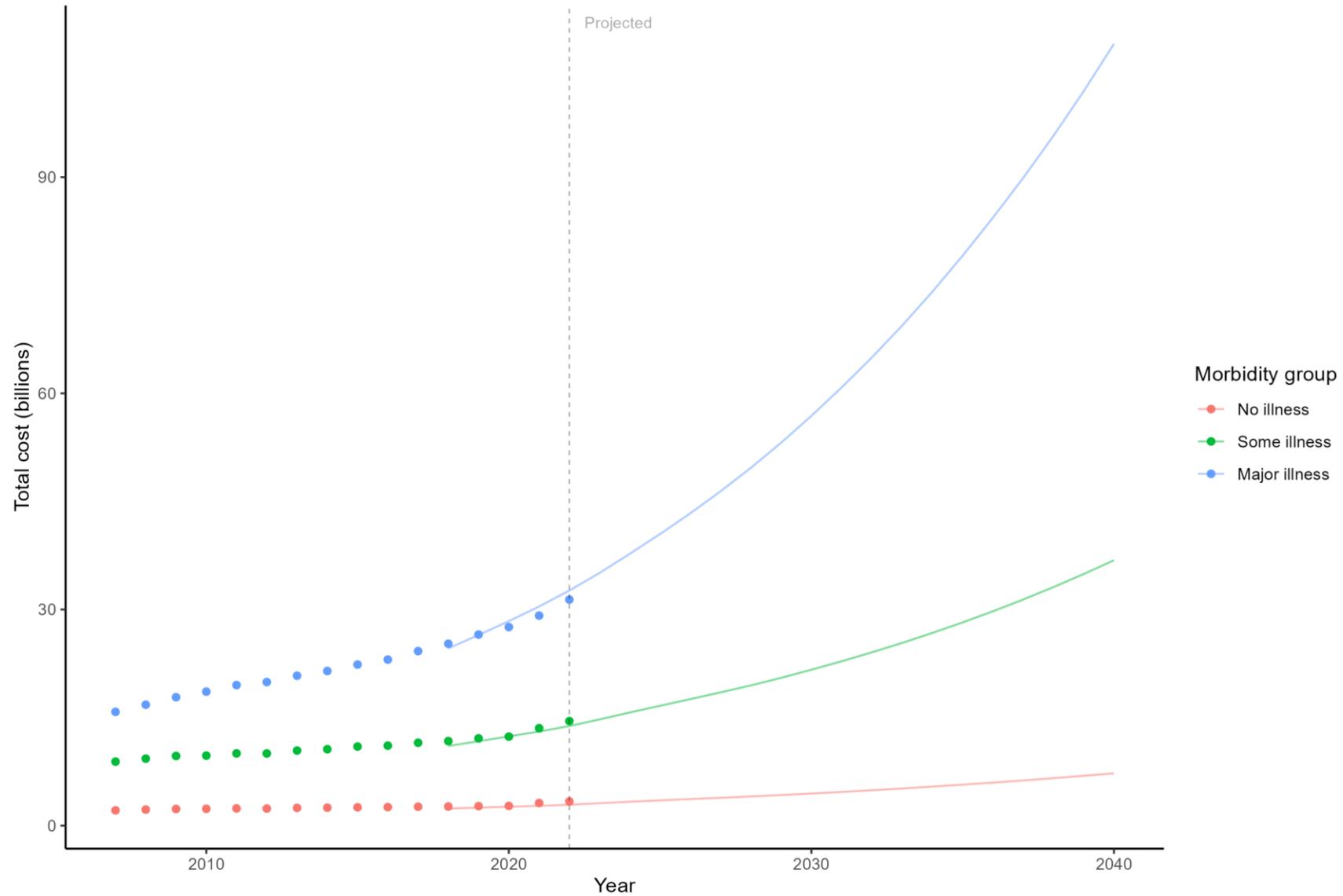
Trend, 2020 to 2040



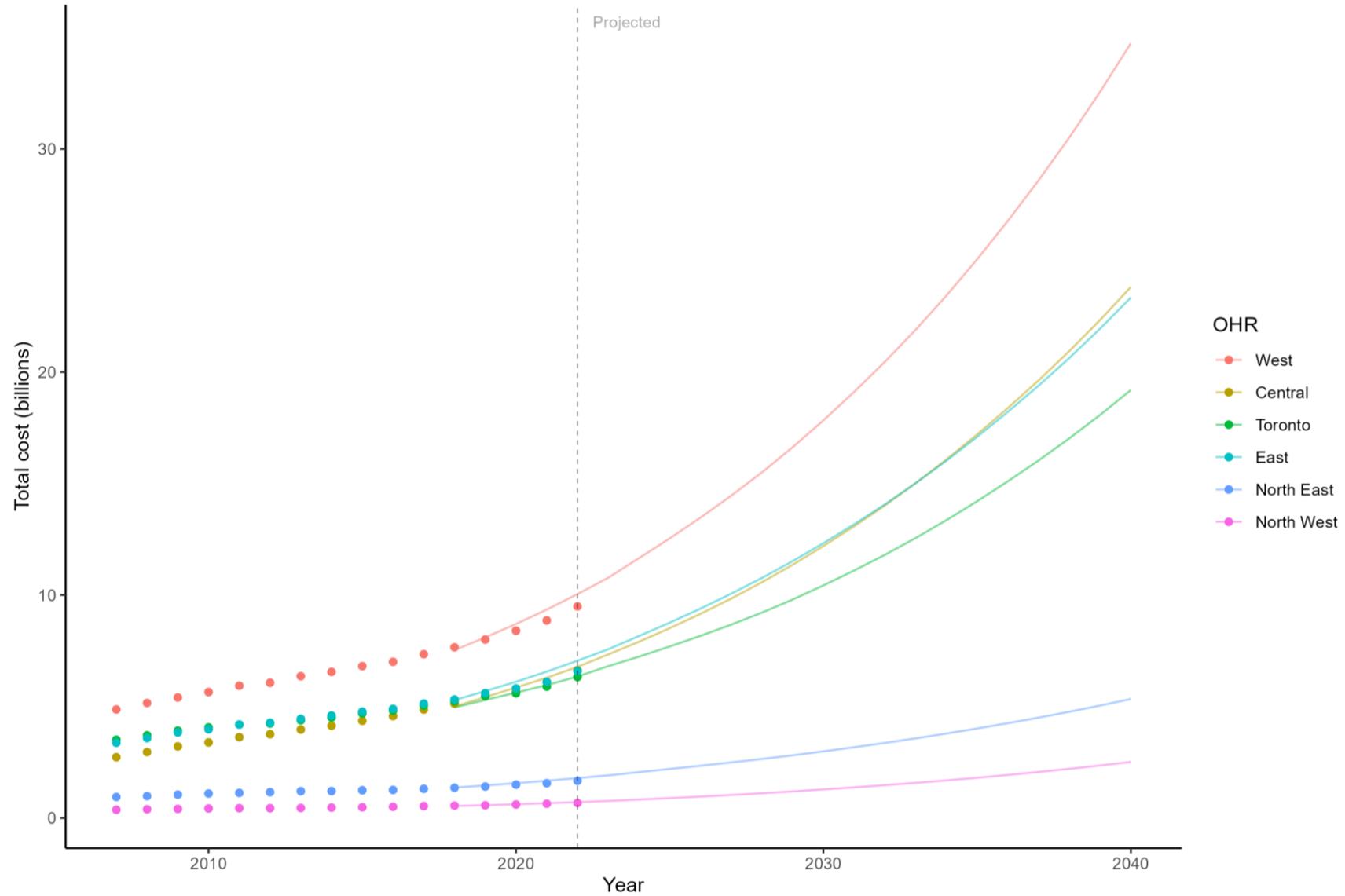
Health care costs by morbidity groups: Ontario and Ontario Health Regions



Annual costs (CAD\$), 2007 to 2040, all Ontario by morbidity group



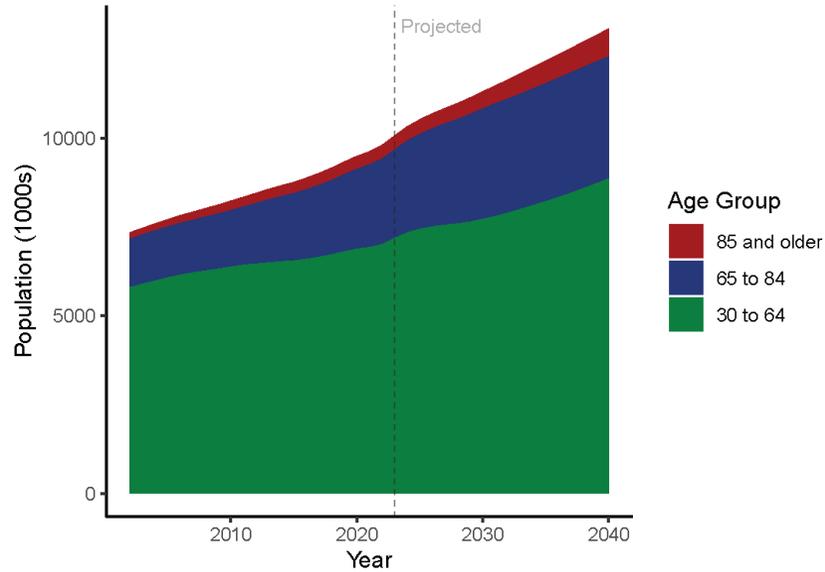
Annual costs (CAD\$) of major illness, 2007 to 2040, by Ontario Health Region



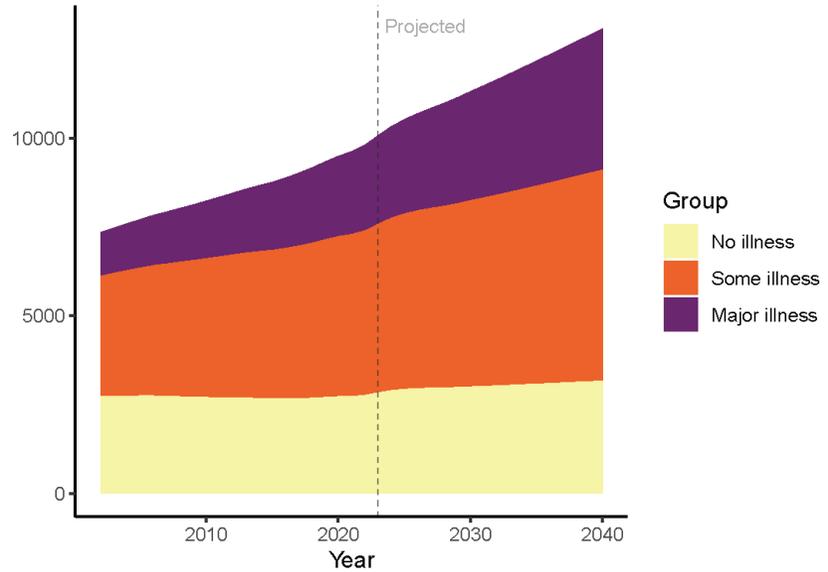
Demographics and multimorbidity profiles: Ontario and Ontario Health Regions

Demographics and multimorbidity (adults 30+), 2002 to 2040, all Ontario

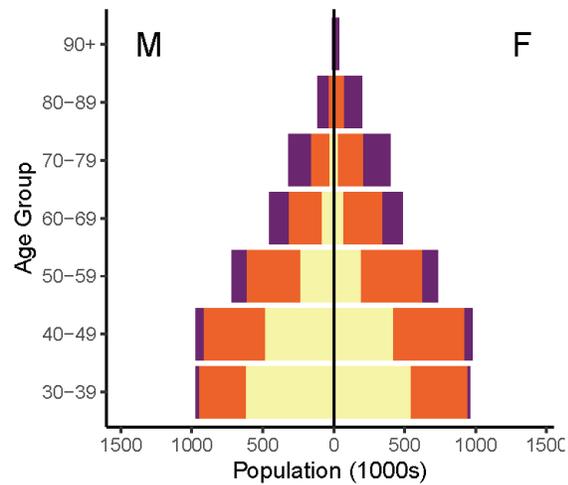
Population demographics, 2002 to 2040



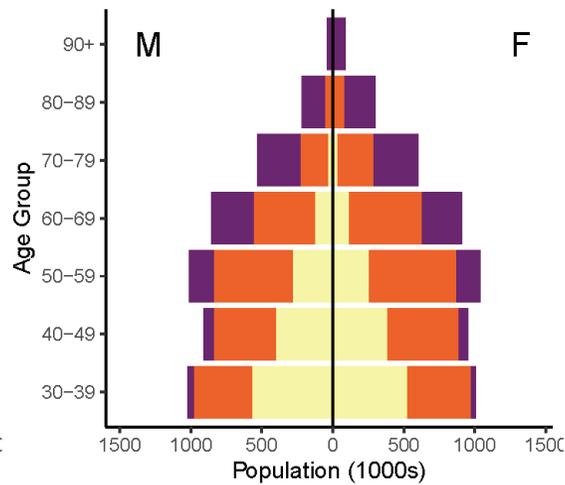
Multimorbidity, 2002 to 2040



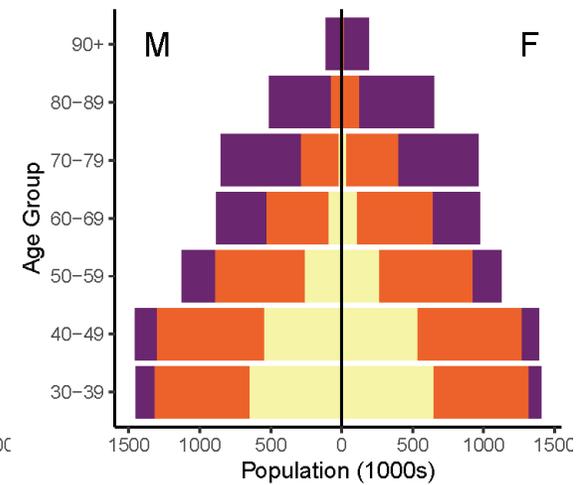
Sex and age group distribution, by multimorbidity group
2002



2020



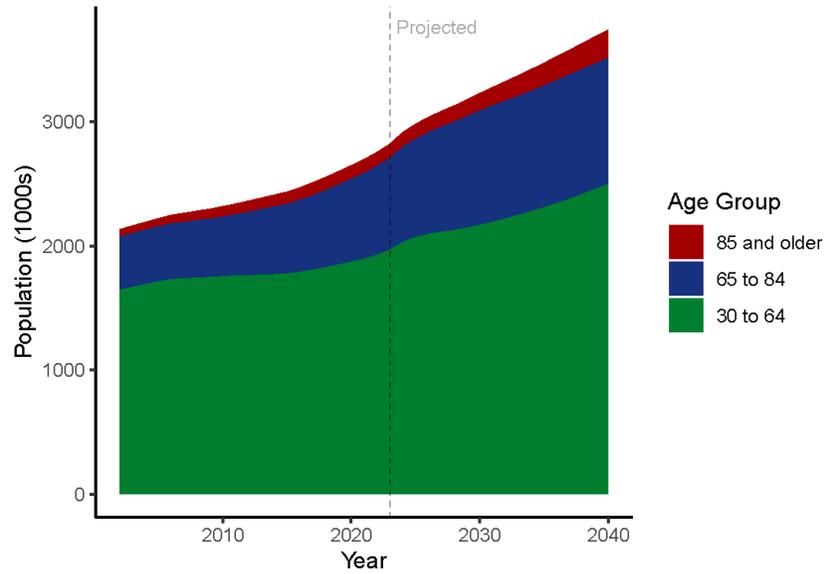
2040 (Projected)



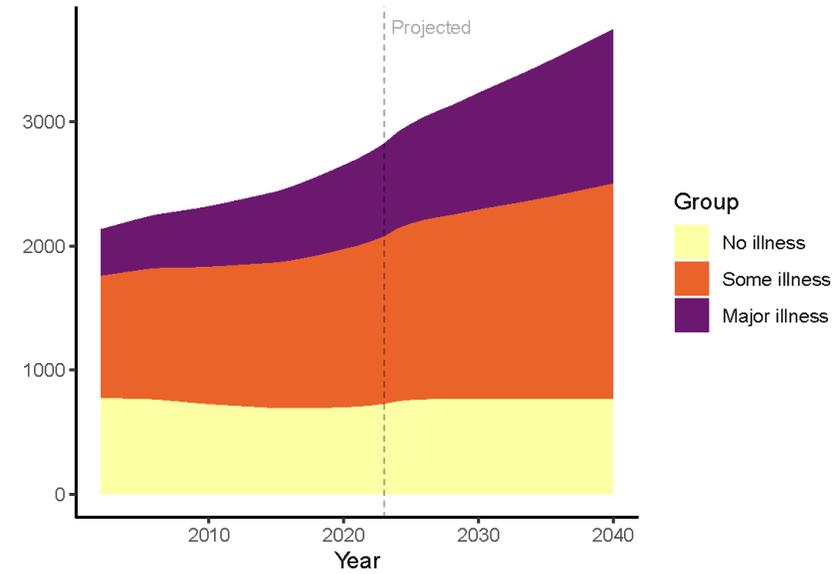
No illness Some illness Major illness

Demographics and multimorbidity (adults 30+), 2002 to 2040, West OHR

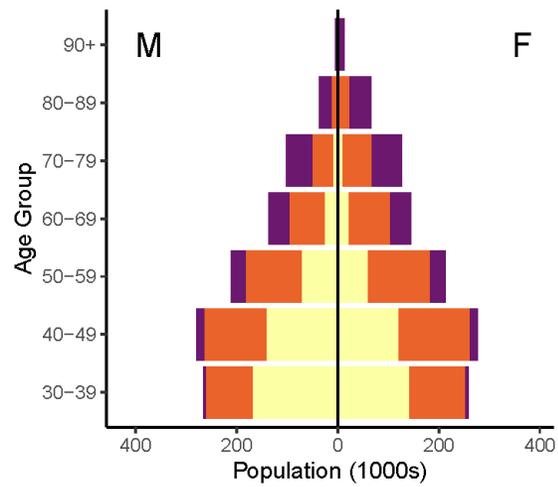
Population demographics, 2002 to 2040



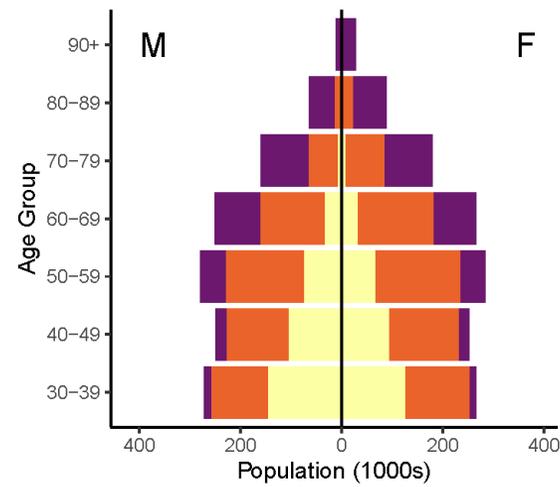
Multimorbidity, 2002 to 2040



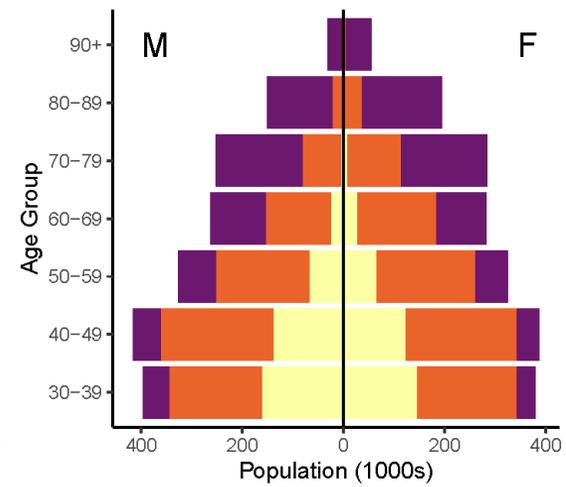
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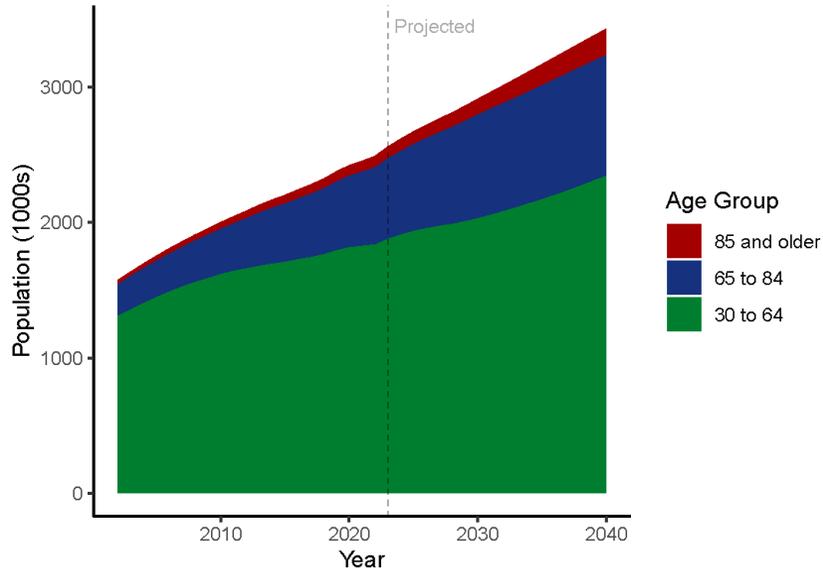
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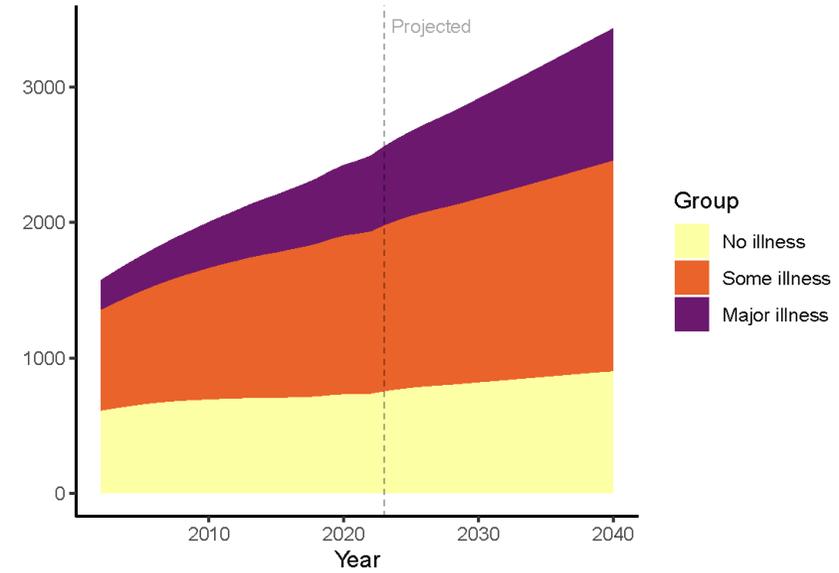
No illness Some illness Major illness

Demographics and multimorbidity (adults 30+), 2002 to 2040, Central OHR

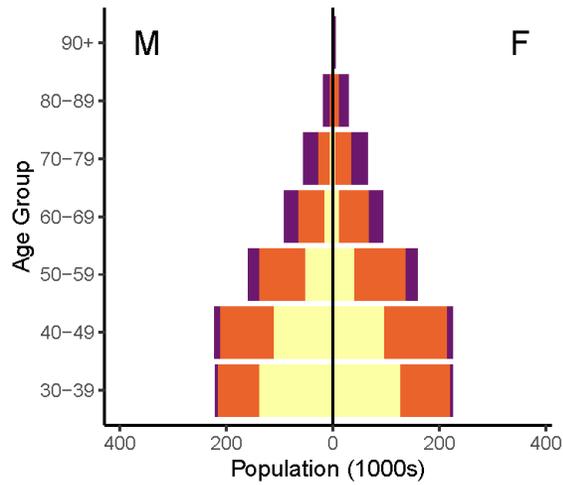
Population demographics, 2002 to 2040



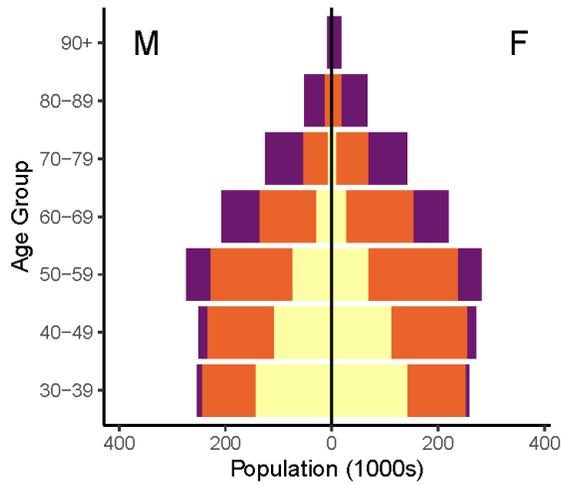
Multimorbidity, 2002 to 2040



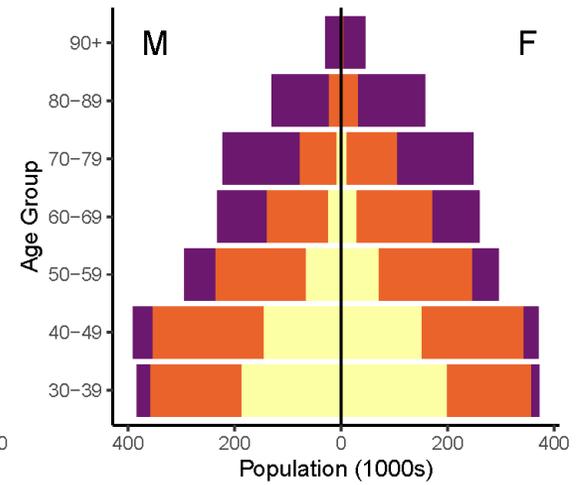
Sex and age group distribution, by multimorbidity group
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2020



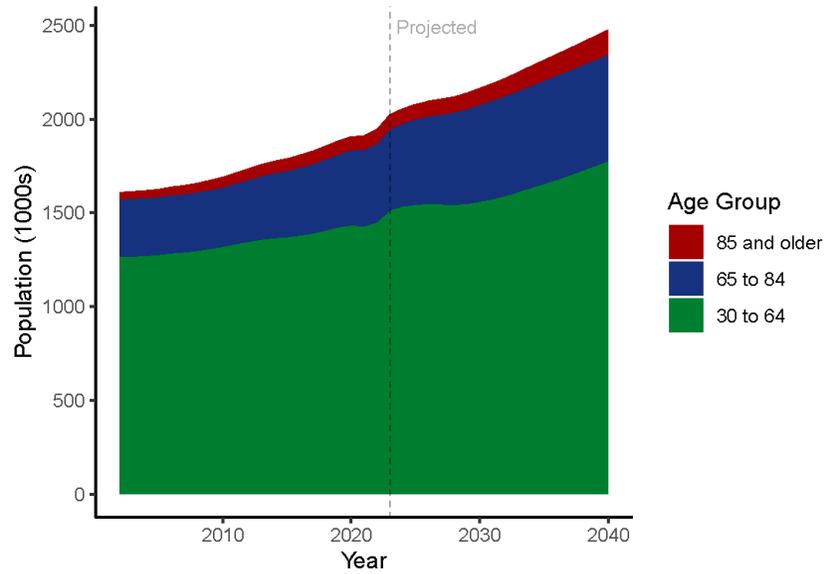
2040 (Projected)



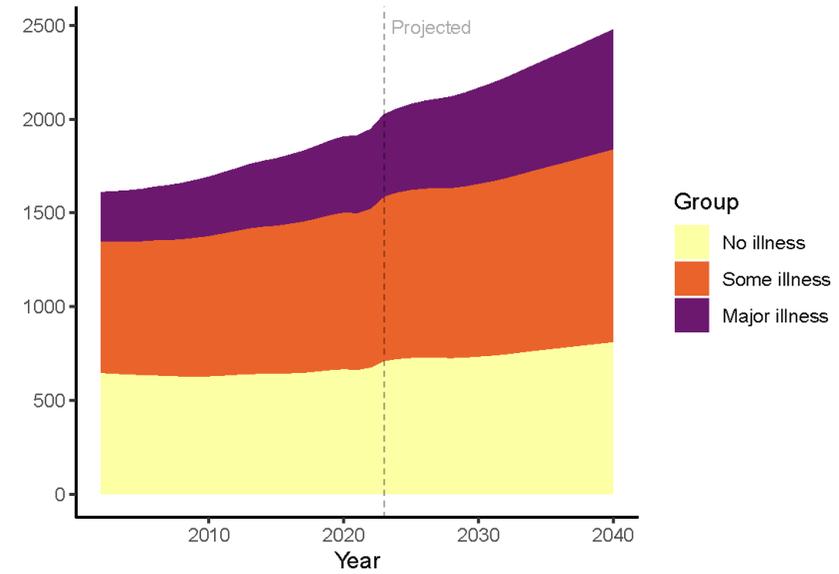
No illness Some illness Major illness

Demographics and multimorbidity (adults 30+), 2002 to 2040, Toronto OHR

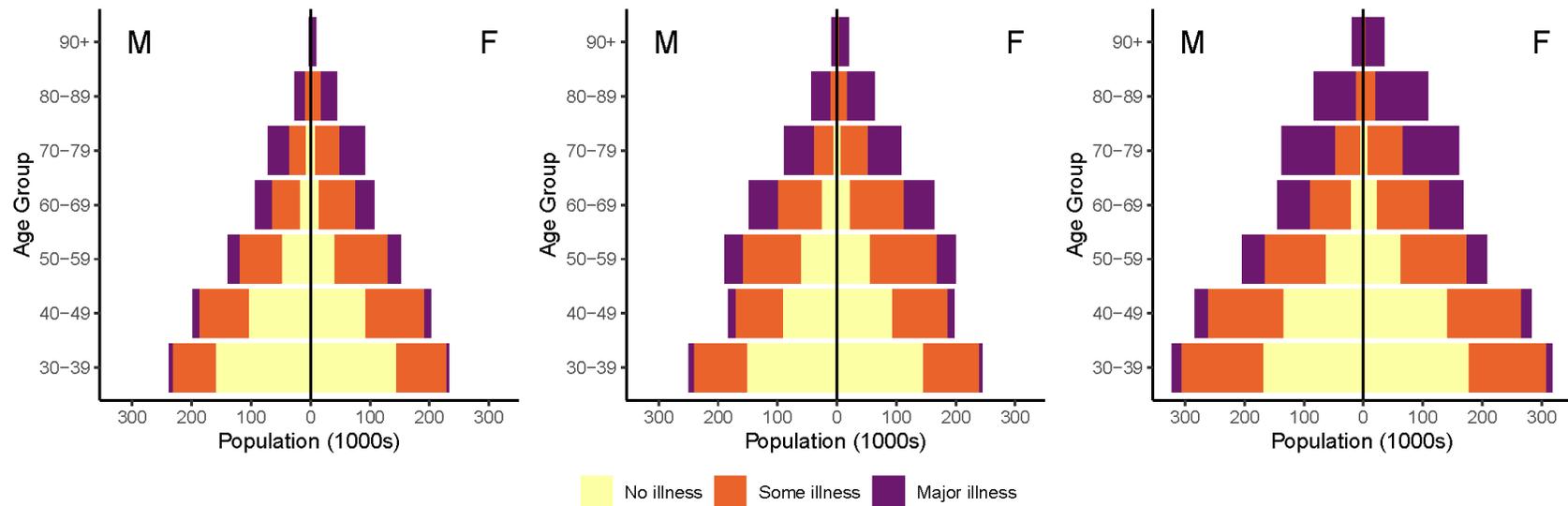
Population demographics, 2002 to 2040



Multimorbidity, 2002 to 2040

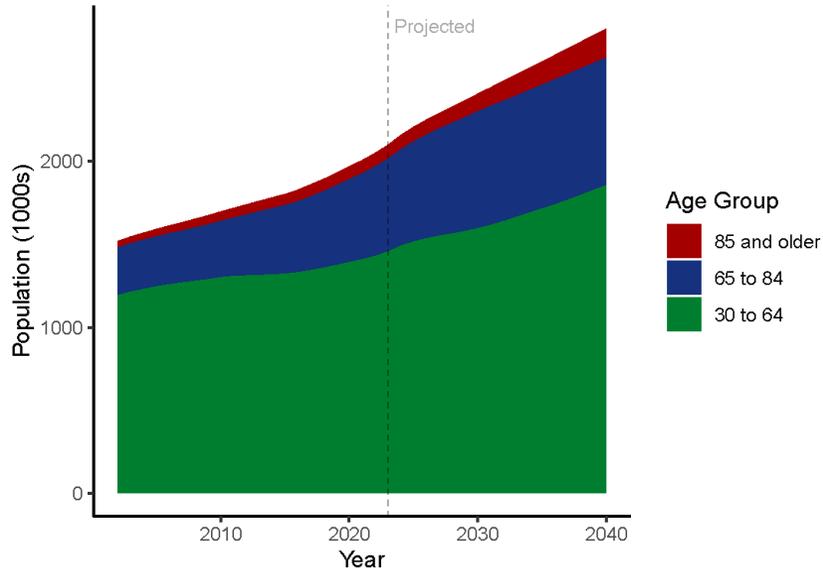


Sex and age group distribution, by multimorbidity group
2002 2020 2040 (Projected)

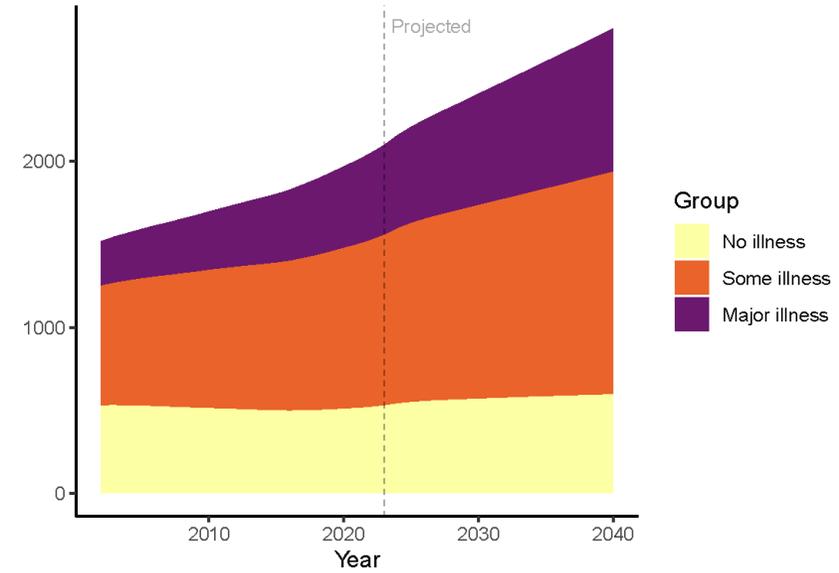


Demographics and multimorbidity (adults 30+), 2002 to 2040, East OHR

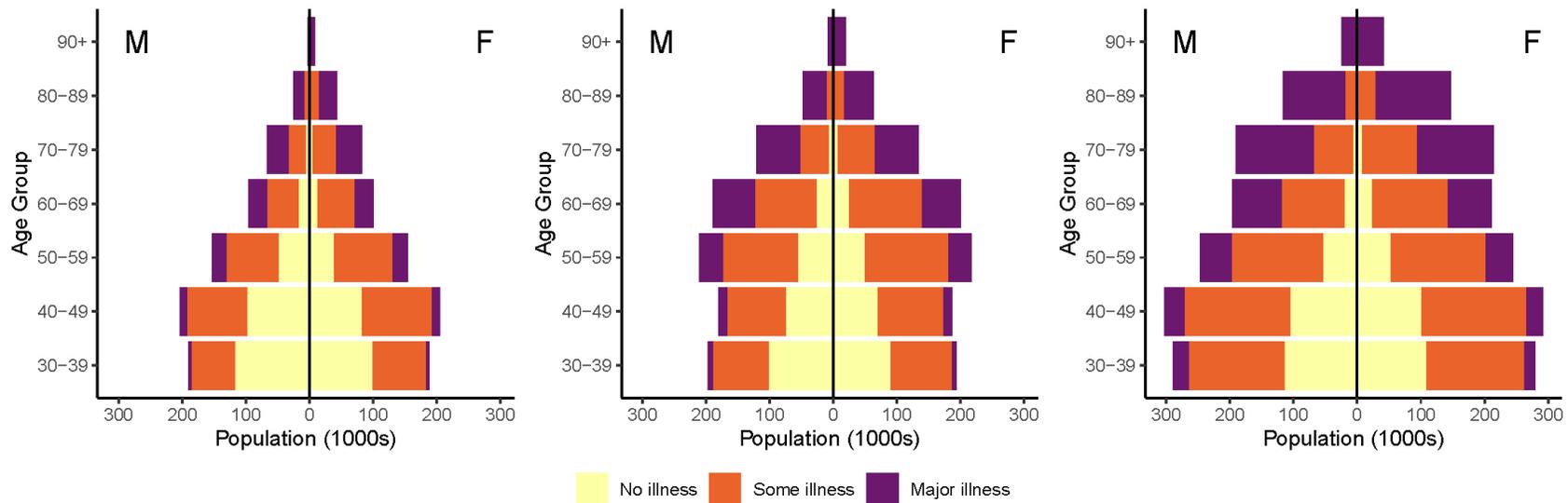
Population demographics, 2002 to 2040



Multimorbidity, 2002 to 2040

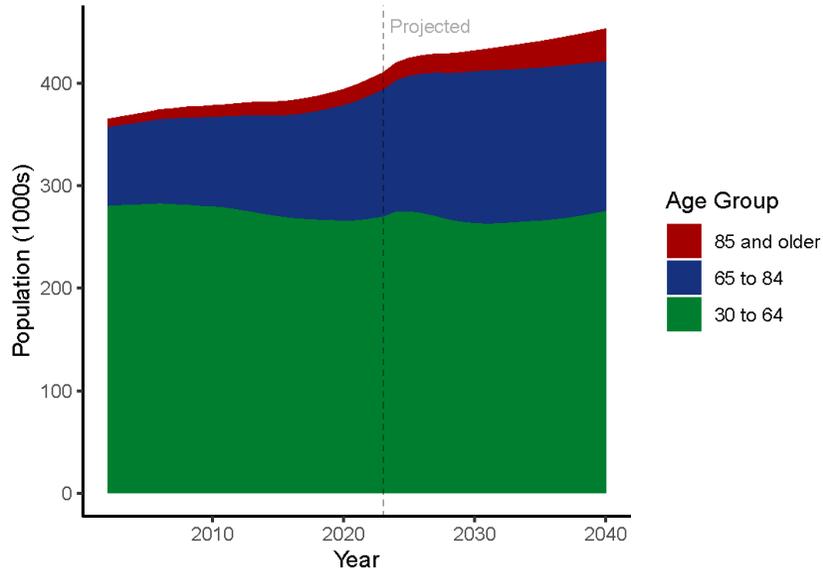


Sex and age group distribution, by multimorbidity group
2002 2020 2040 (Projected)

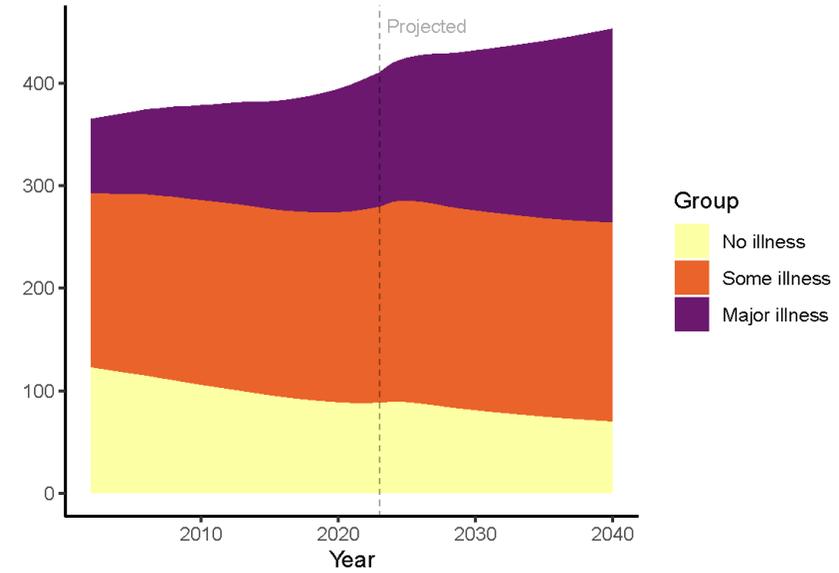


Demographics and multimorbidity (adults 30+), 2002 to 2040, North East OHR

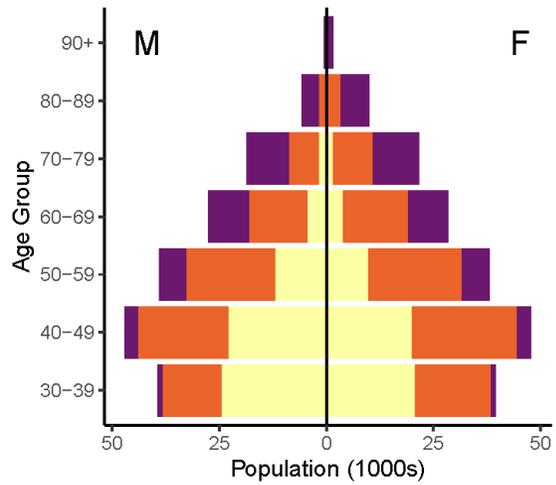
Population demographics, 2002 to 2040



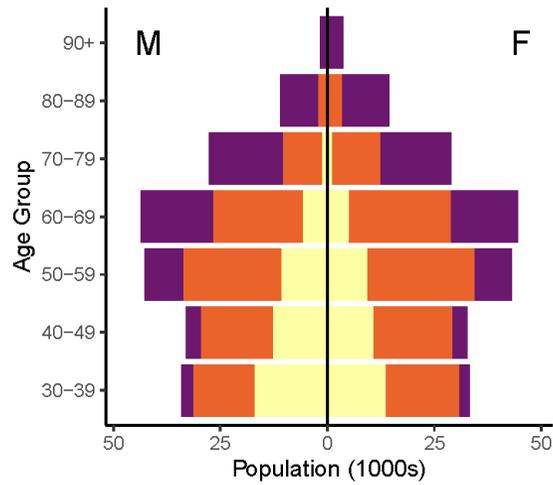
Multimorbidity, 2002 to 2040



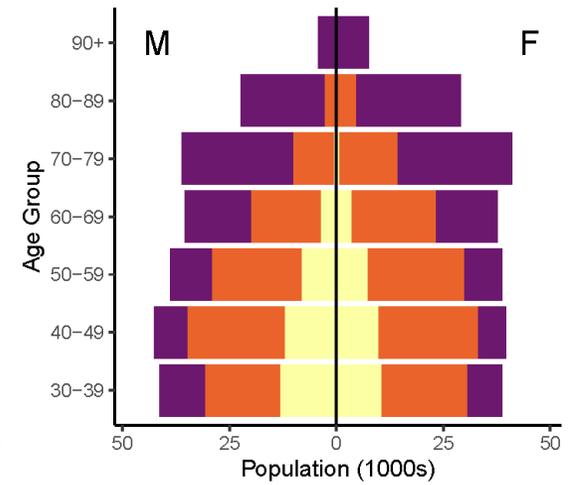
Sex and age group distribution, by multimorbidity group
2002



2020



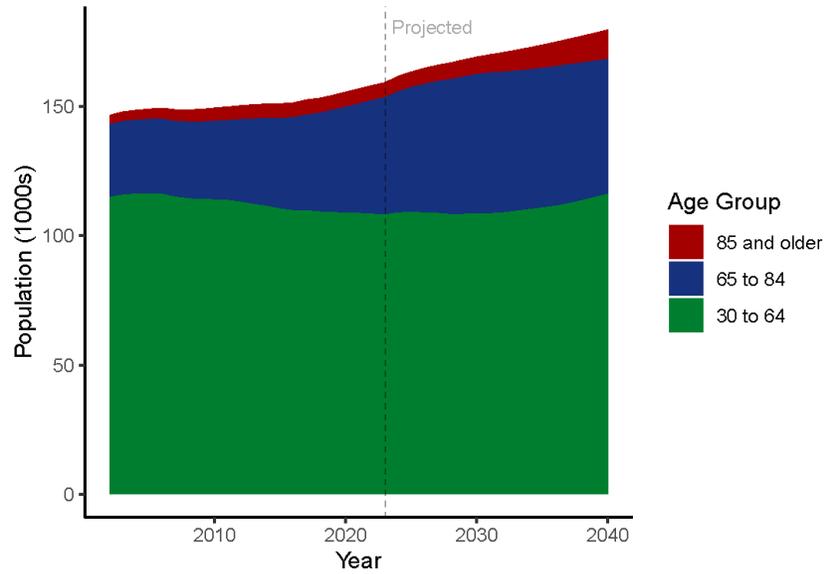
2040 (Projected)



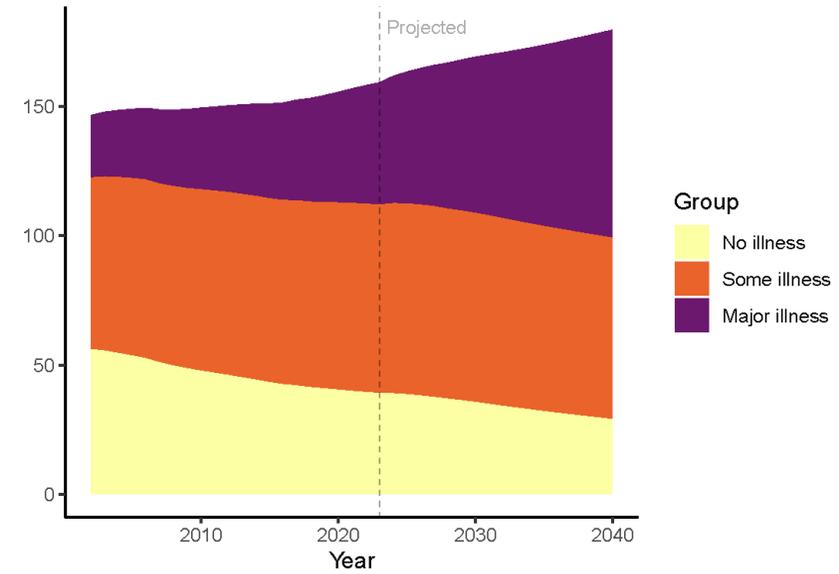
No illness Some illness Major illness

Demographics and multimorbidity (adults 30+), 2002 to 2040, North West OHR

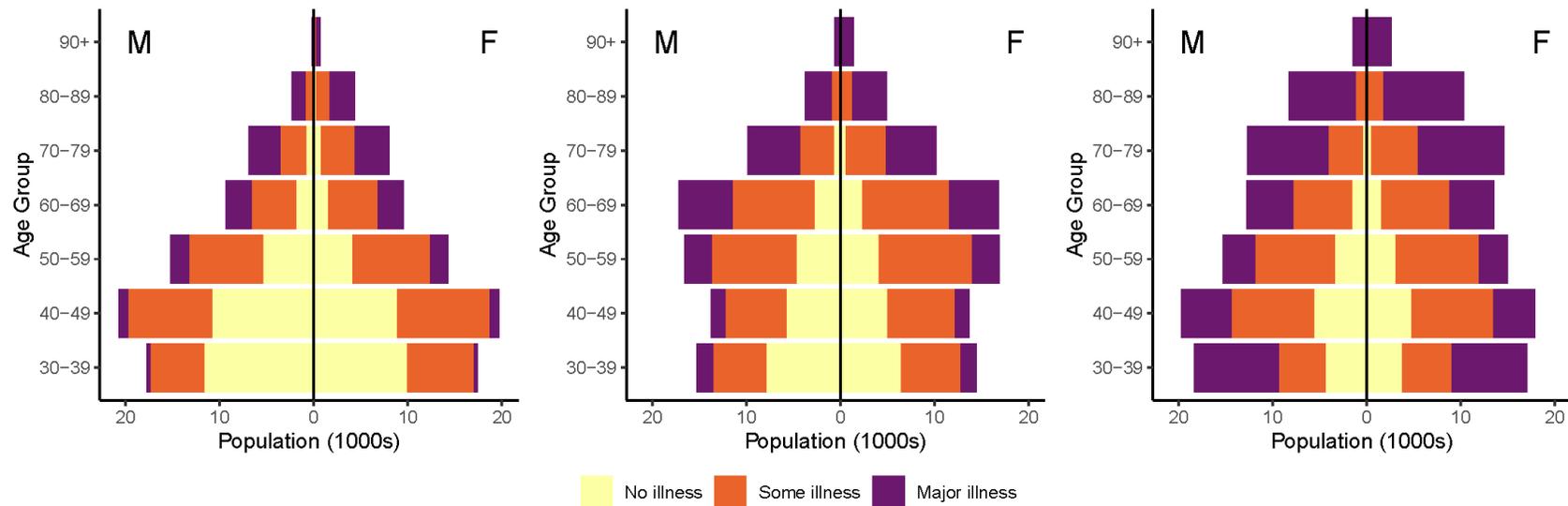
Population demographics, 2002 to 2040



Multimorbidity, 2002 to 2040



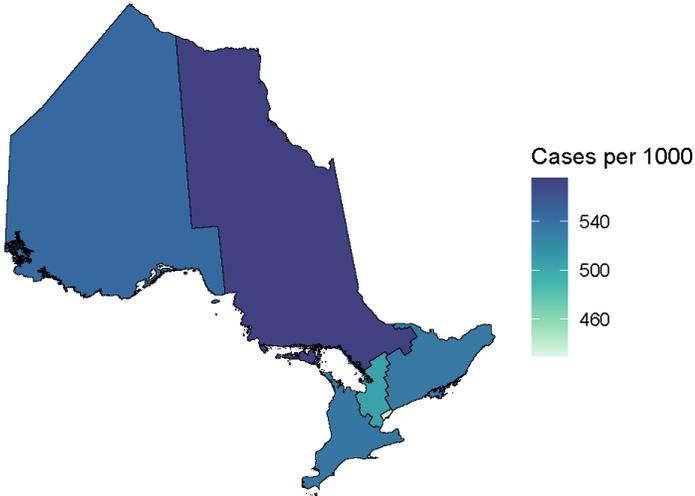
Sex and age group distribution, by multimorbidity group
2002 2020 2040 (Projected)



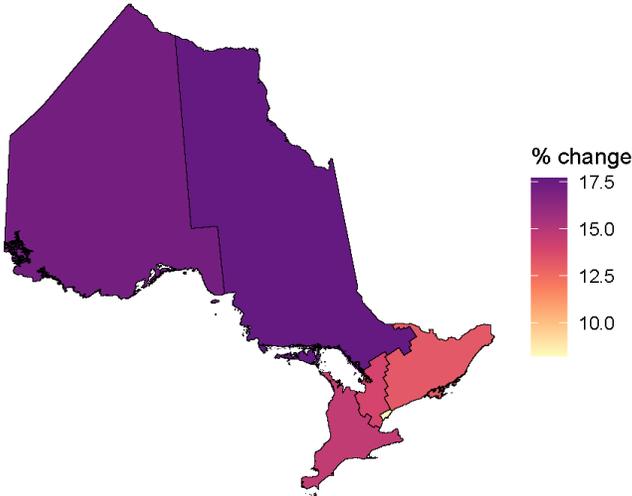
Chronic disease trends for selected conditions: Ontario and Ontario Health Regions

Osteoarthritis

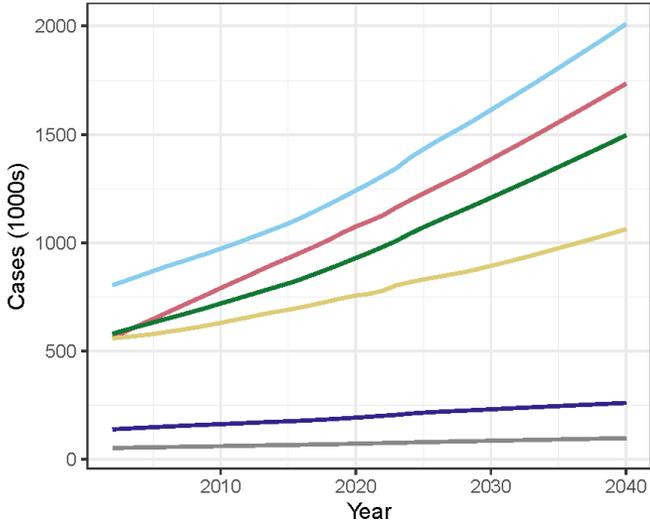
Prevalence, 2040



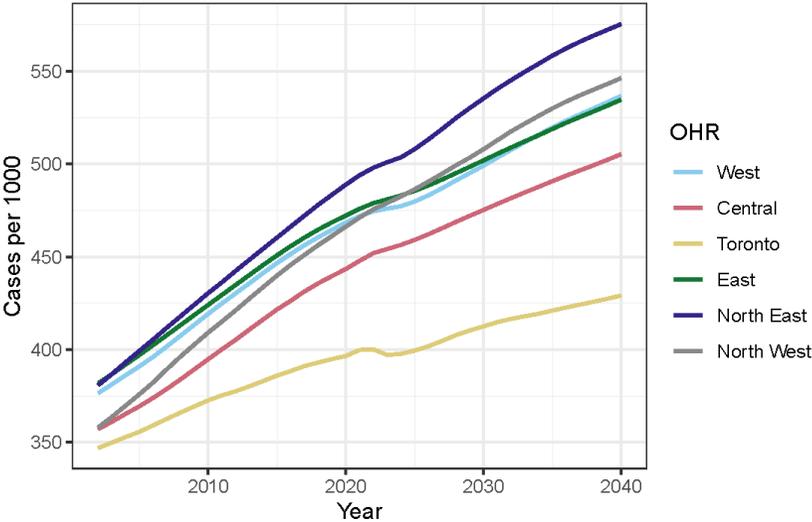
Trend, 2020 to 2040



Cases, 2020 to 2040

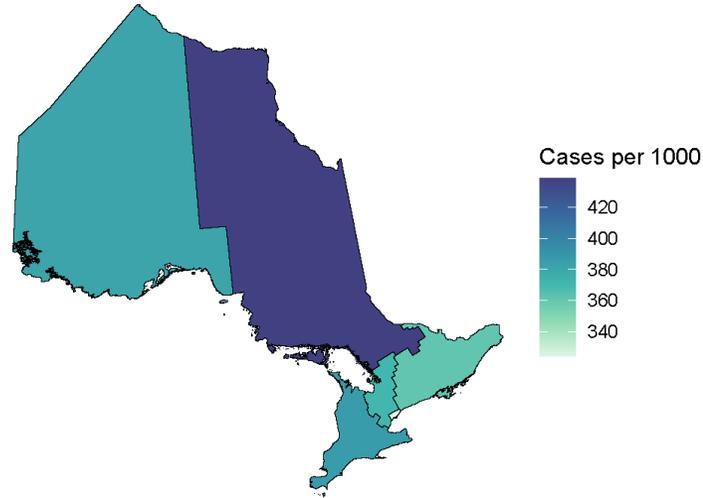


Prevalence, 2020 to 2040

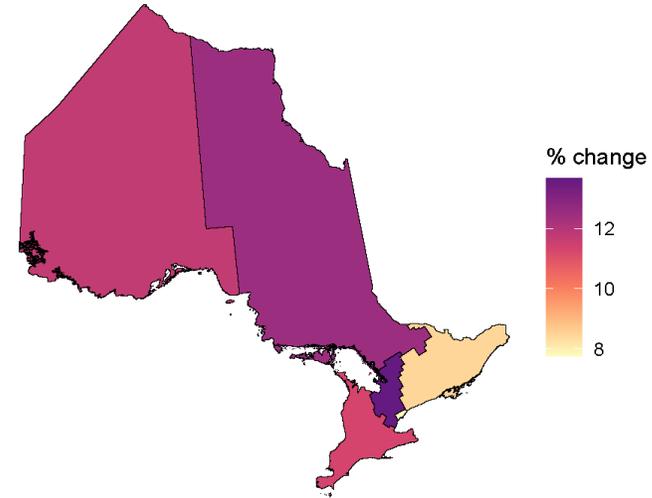


Hypertension

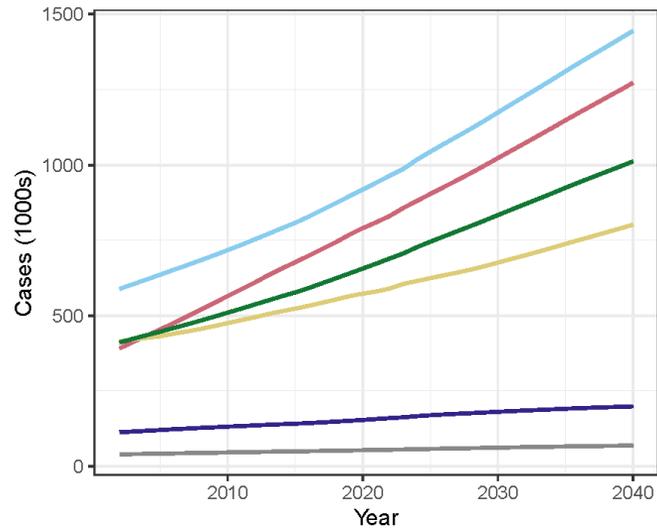
Prevalence, 2040



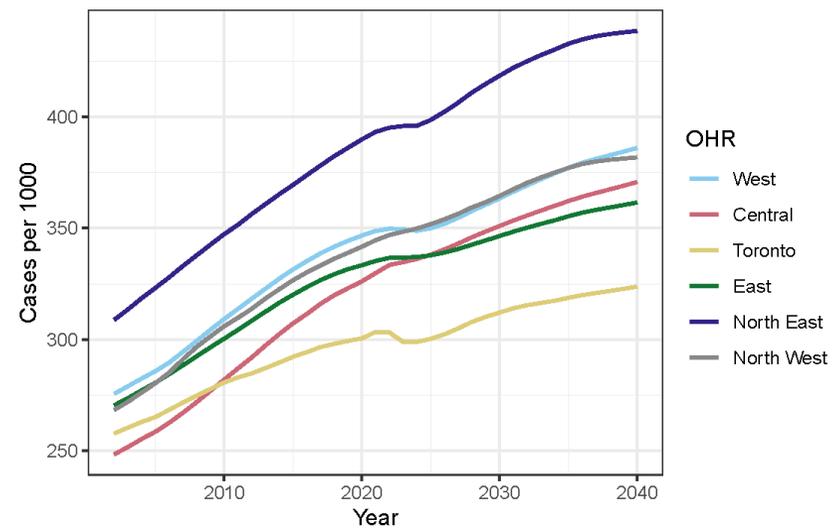
Trend, 2020 to 2040



Cases, 2020 to 2040

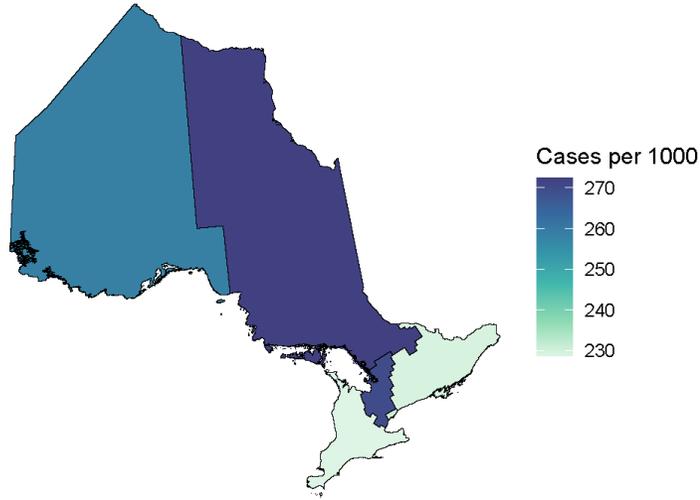


Prevalence, 2020 to 2040

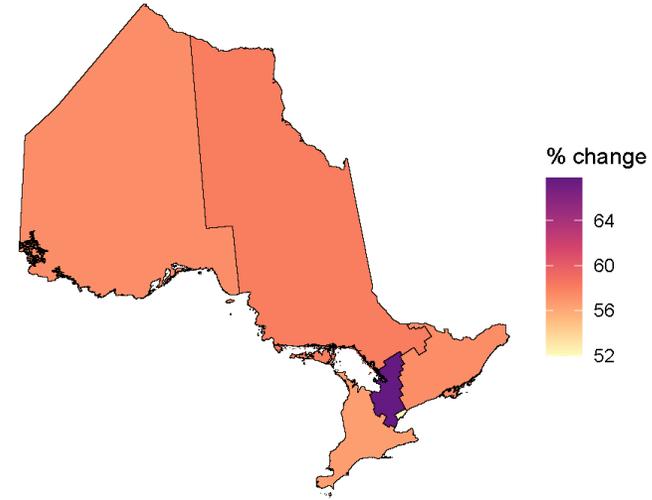


Diabetes mellitus

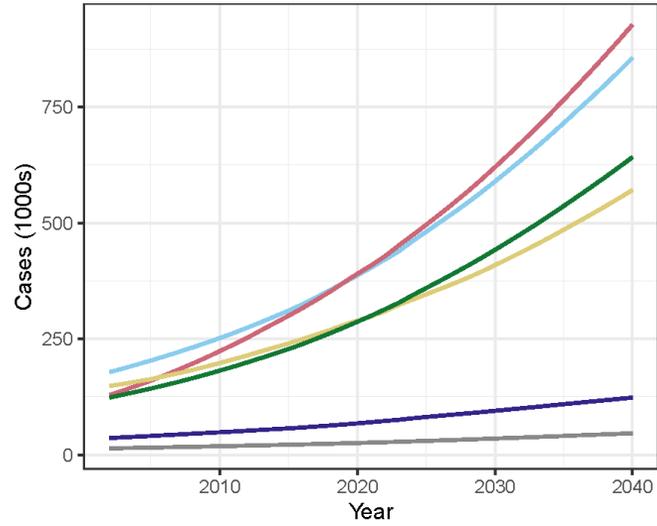
Prevalence, 2040



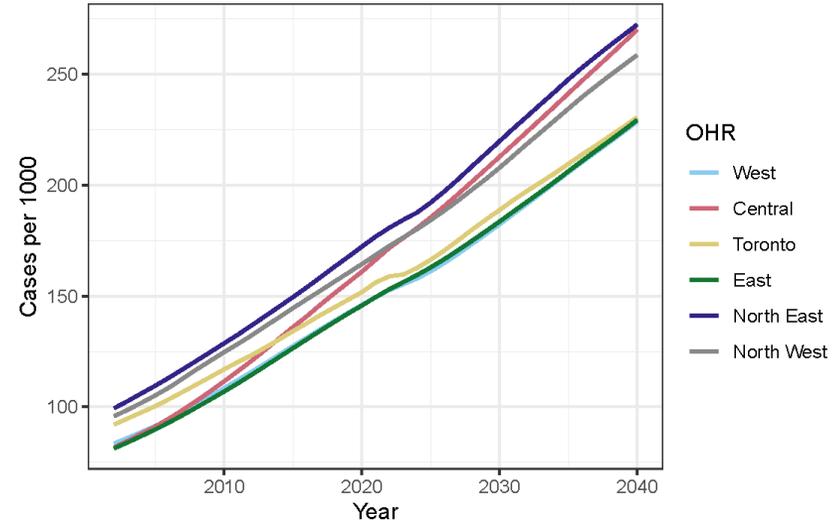
Trend, 2020 to 2040



Cases, 2020 to 2040

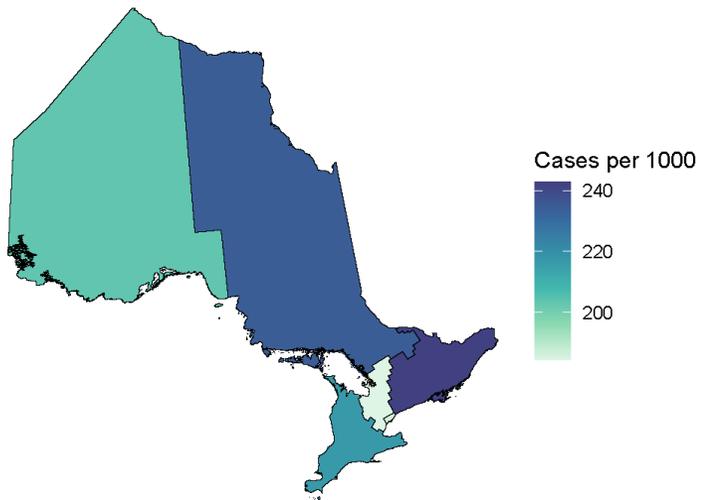


Prevalence, 2020 to 2040

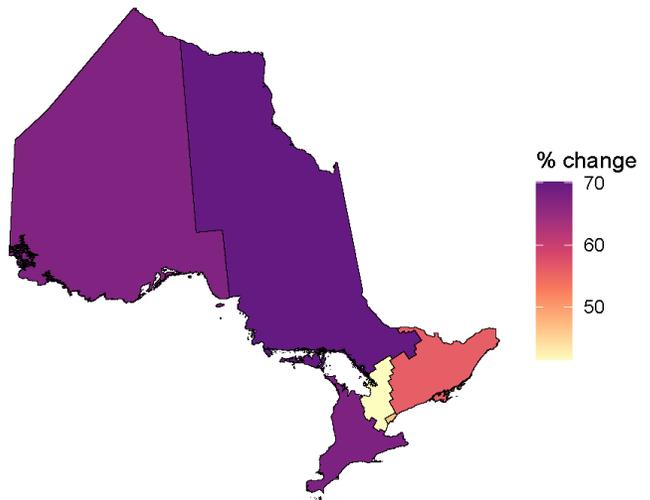


Asthma

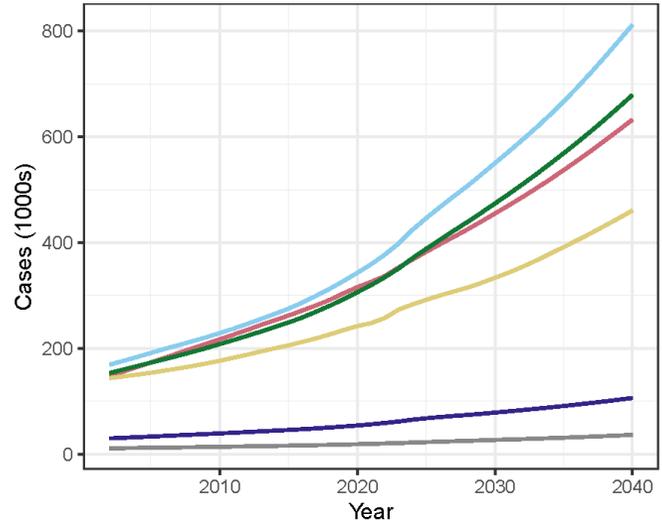
Prevalence, 2040



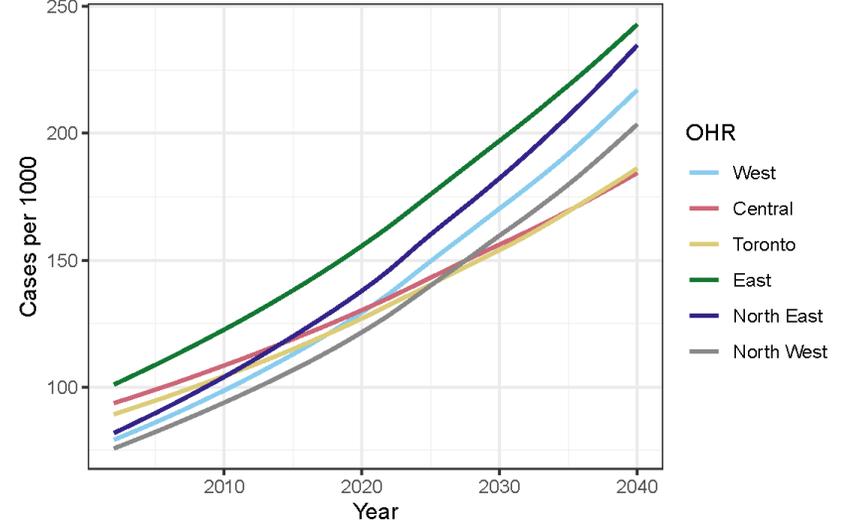
Trend, 2020 to 2040



Cases, 2020 to 2040

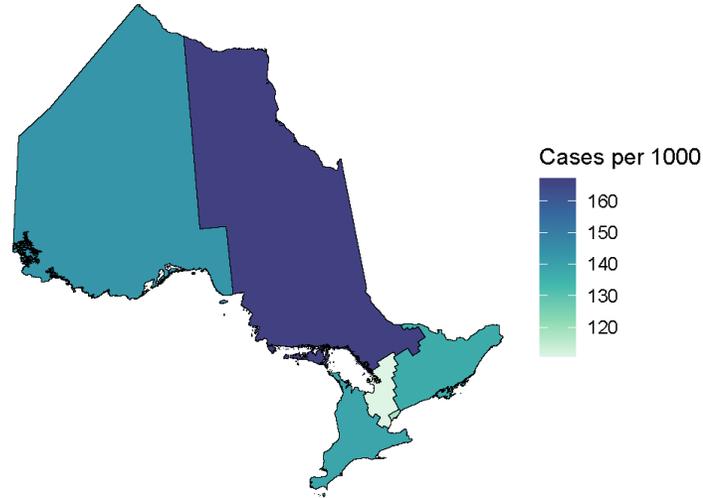


Prevalence, 2020 to 2040

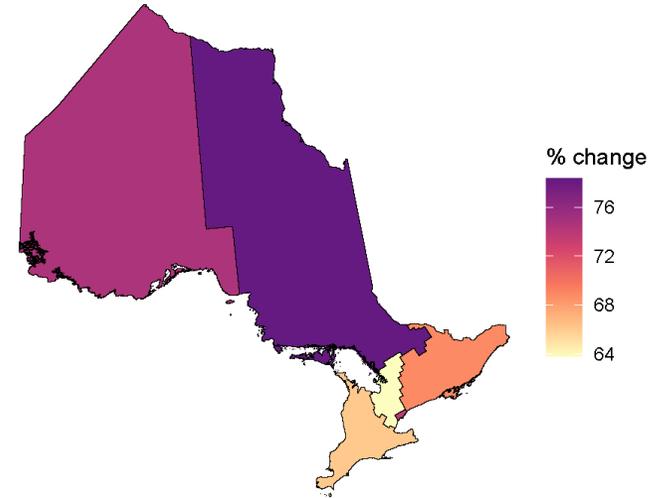


Cancer

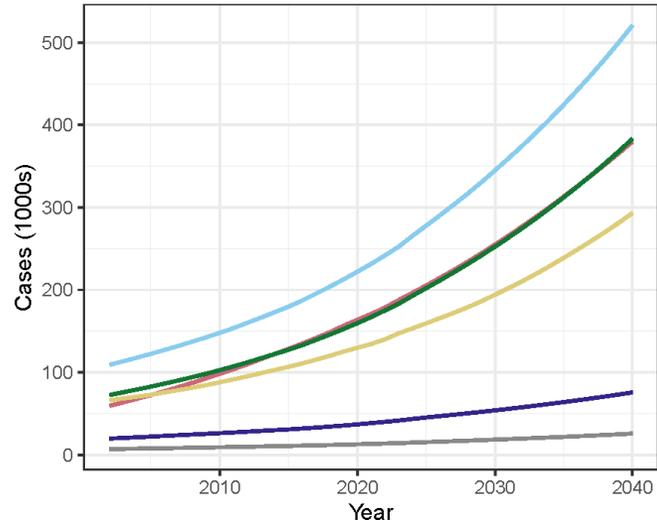
Prevalence, 2040



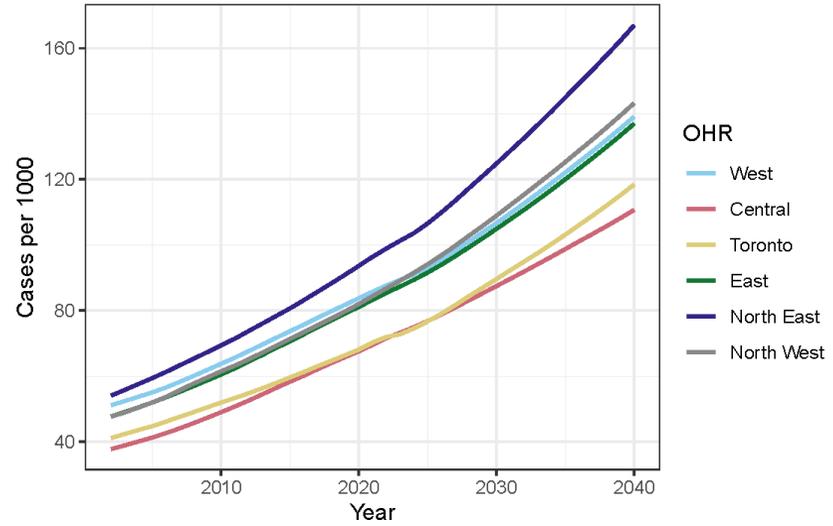
Trend, 2020 to 2040



Cases, 2020 to 2040

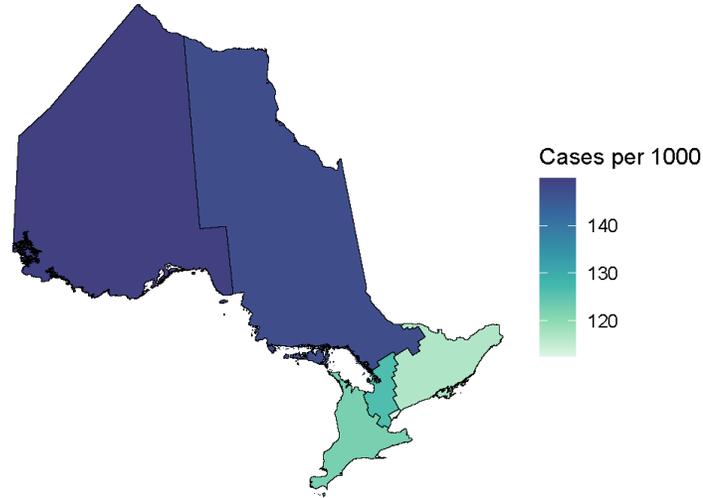


Prevalence, 2020 to 2040

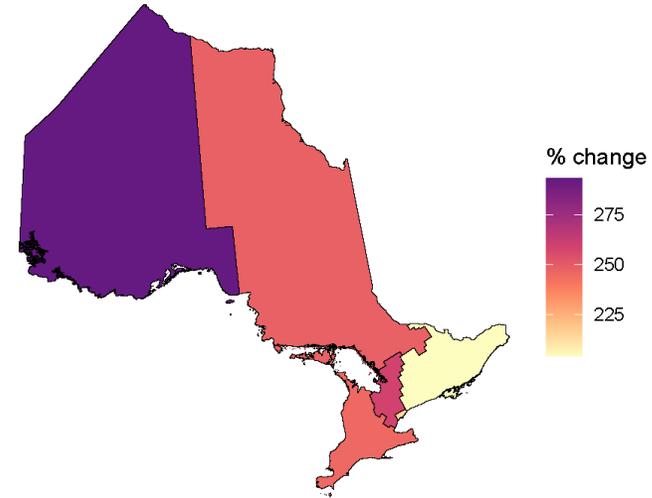


Kidney disease and failure

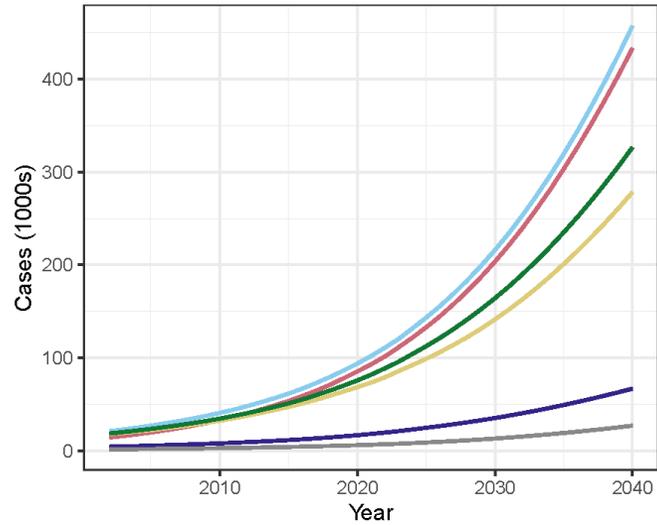
Prevalence, 2040



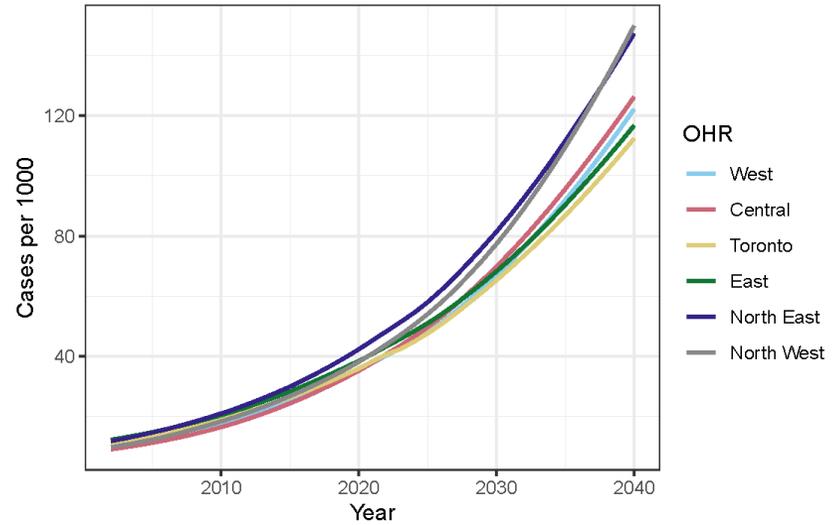
Trend, 2020 to 2040



Cases, 2020 to 2040

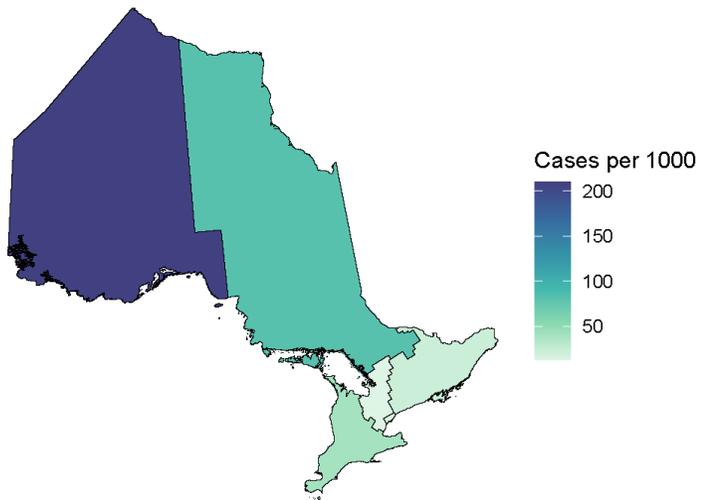


Prevalence, 2020 to 2040

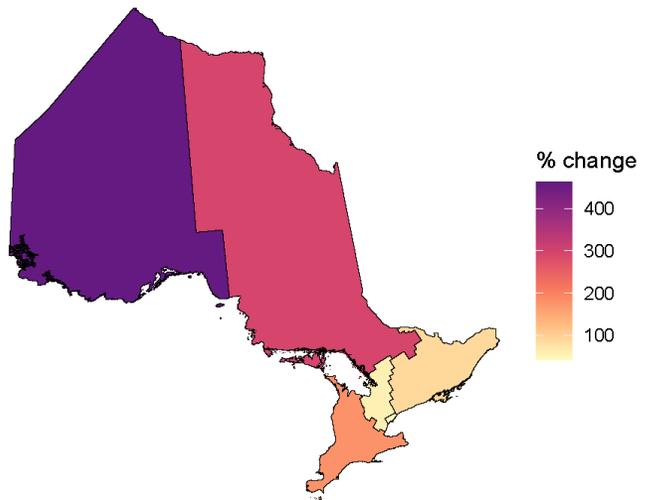


Substance use disorders

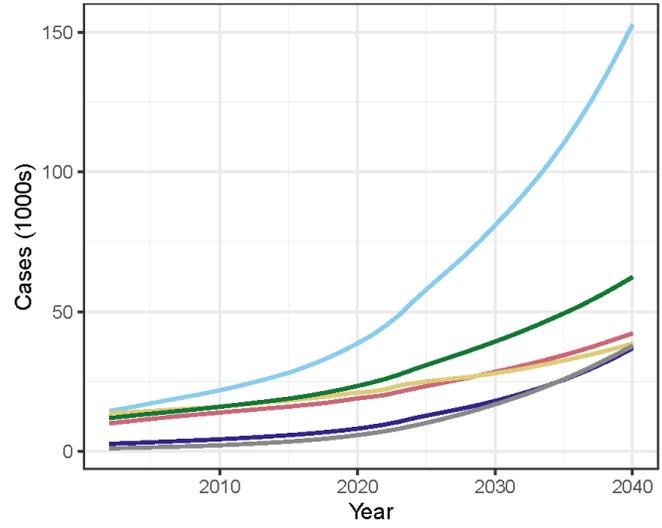
Prevalence, 2040



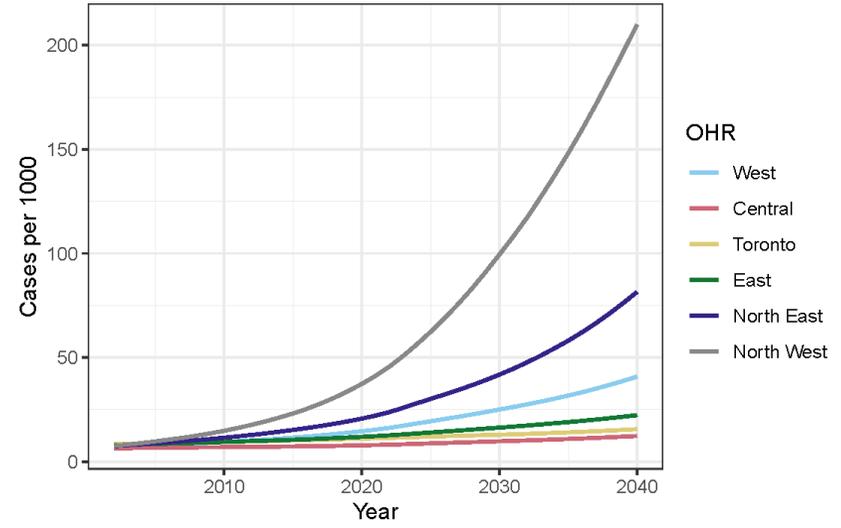
Trend, 2020 to 2040



Cases, 2020 to 2040

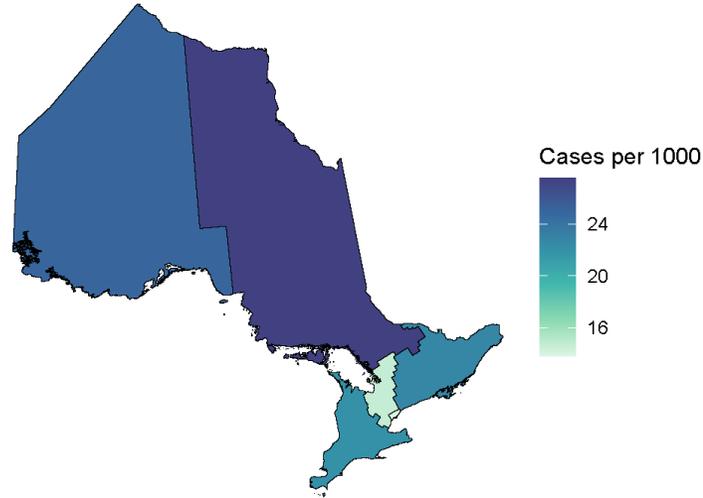


Prevalence, 2020 to 2040

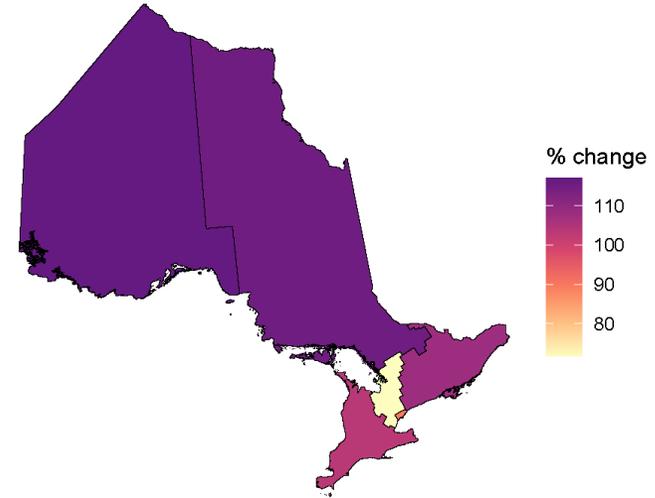


Crohn's and colitis

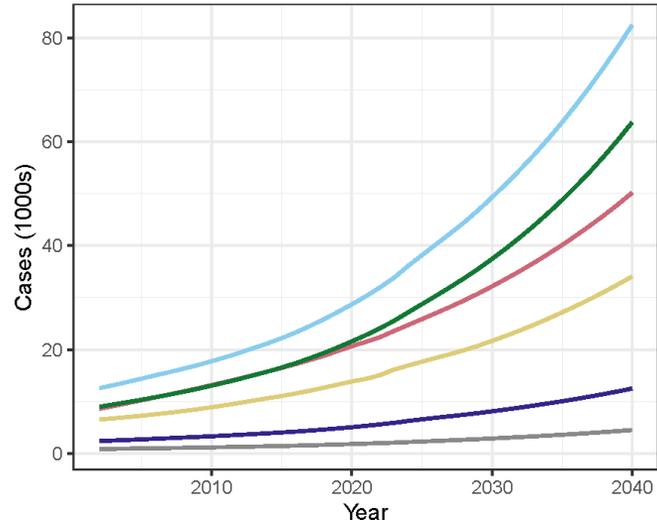
Prevalence, 2040



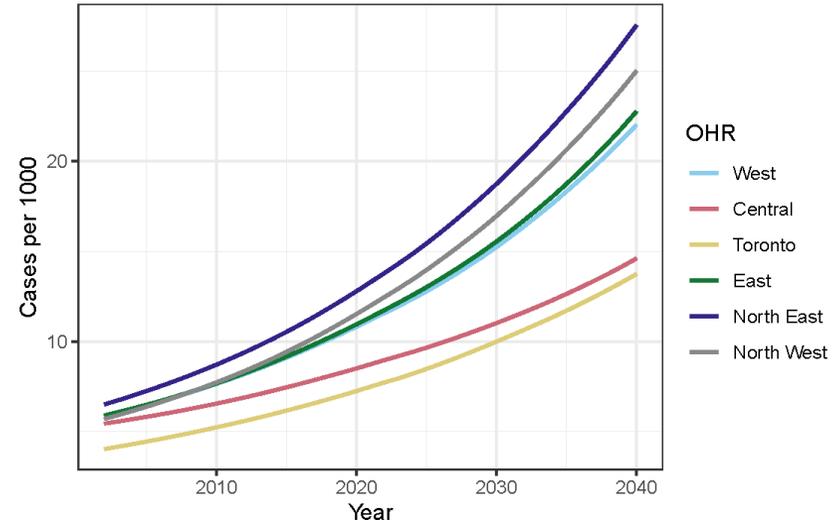
Trend, 2020 to 2040



Cases, 2020 to 2040

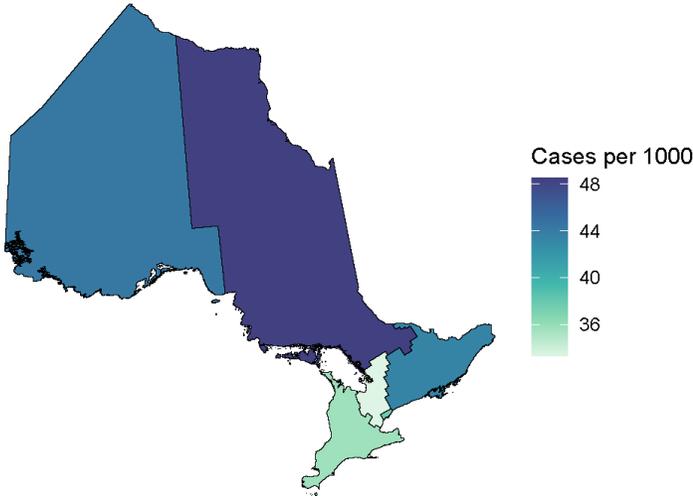


Prevalence, 2020 to 2040

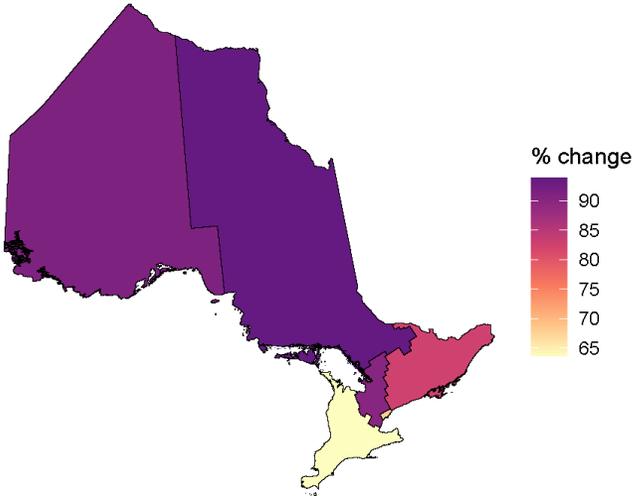


Dementia

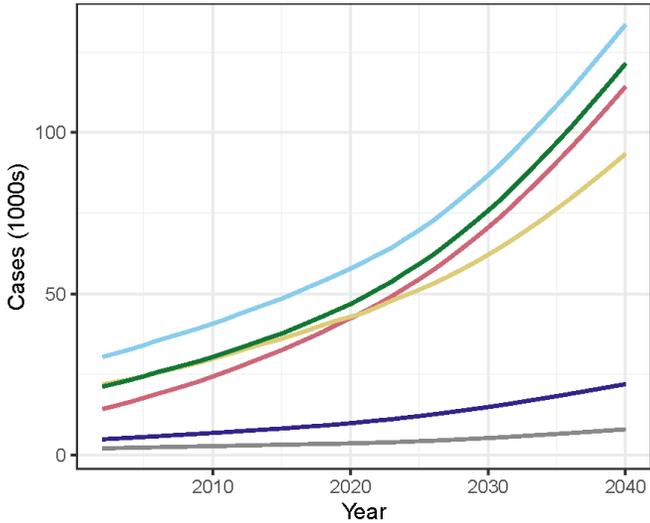
Prevalence, 2040



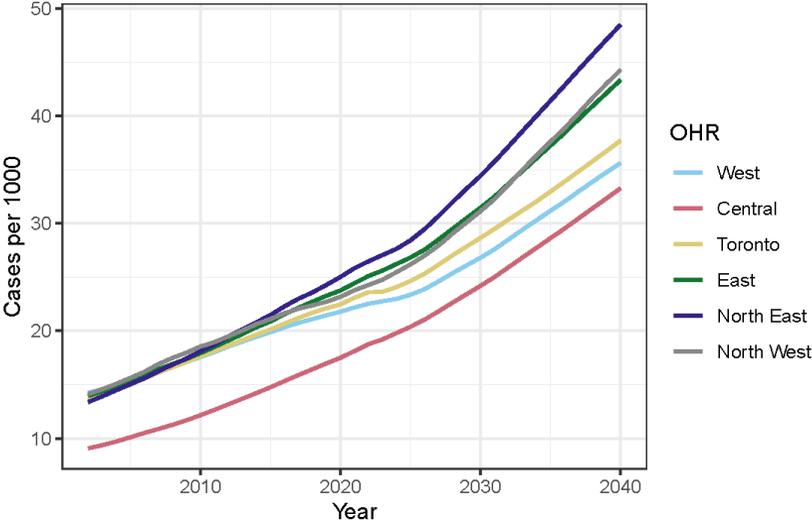
Trend, 2020 to 2040



Cases, 2020 to 2040



Prevalence, 2020 to 2040



Methodological notes

- Prediction modelling follows the same approach as described in the Ontario Burden of Illness Report
- Ontario Health Region population counts are based on Census Division populations and Statistics Canada geographic correspondence files
 - 2002 to 2023: Statistics Canada intercensal population tables
 - 2024 to 2040: Ontario Ministry of Finance population projections
- Geographic boundaries are based on the most recent shapefiles available from the Government of Ontario
- Projection models account for age, sex, and health region
- Kidney disease and failure include chronic kidney disease, acute renal failure, and patients receiving dialysis
- Costs (CAD\$) are indexed to 2022 Canadian dollars

Questions?

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