The epidemiology of young onset dementia in Aotearoa

Etu Ma’u
Senior Lecturer, University of Auckland
Consultant Psychiatrist, Te Whatu Ora Waikato
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2020

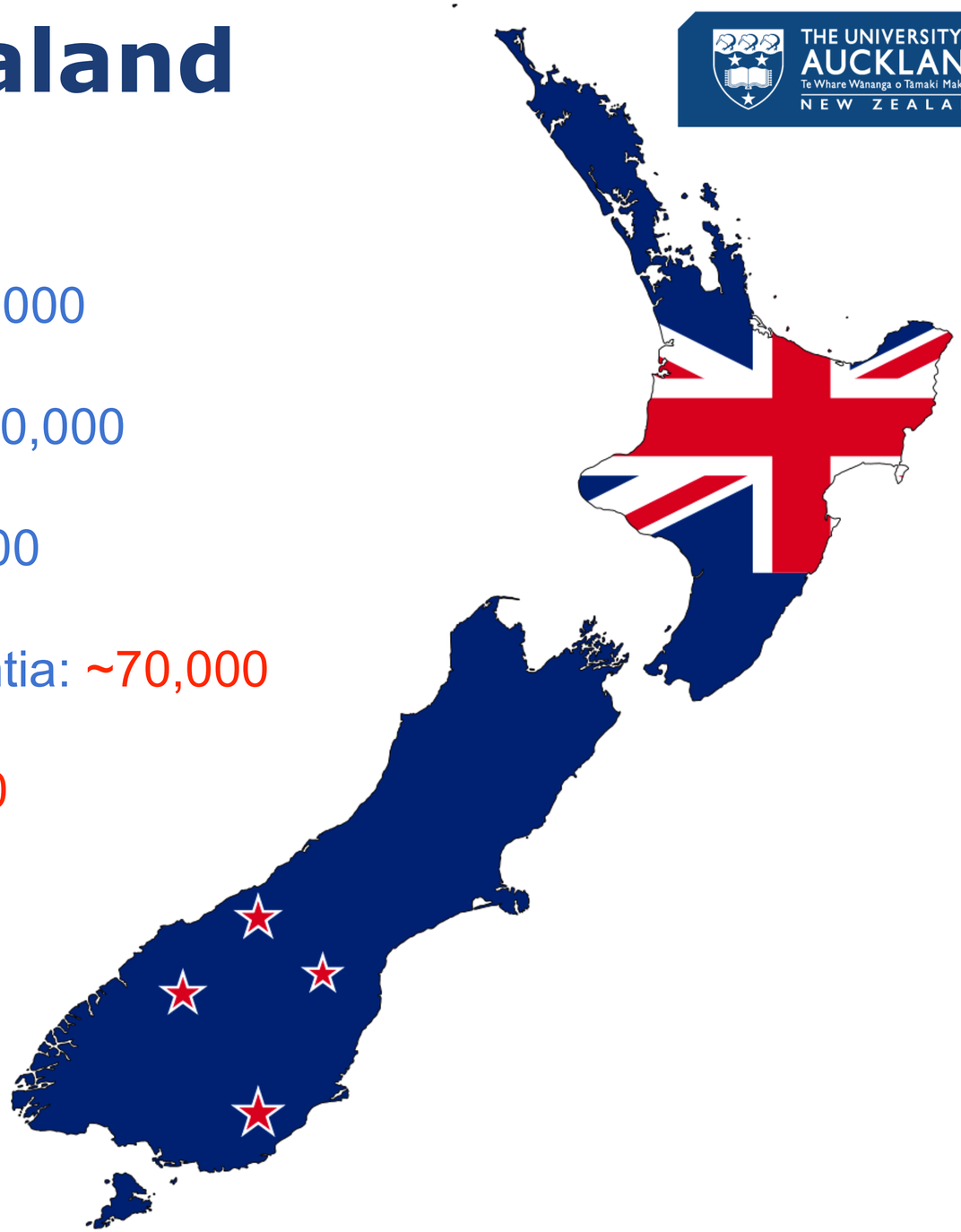
Pop: ~5,000,000

30-64: ~2,300,000

65+: ~800,000

Total Dementia: ~70,000

YOD: ~6,800



2040

Pop: ~6,000,000 (+20%)

30-64: ~2,600,000 (+14%)

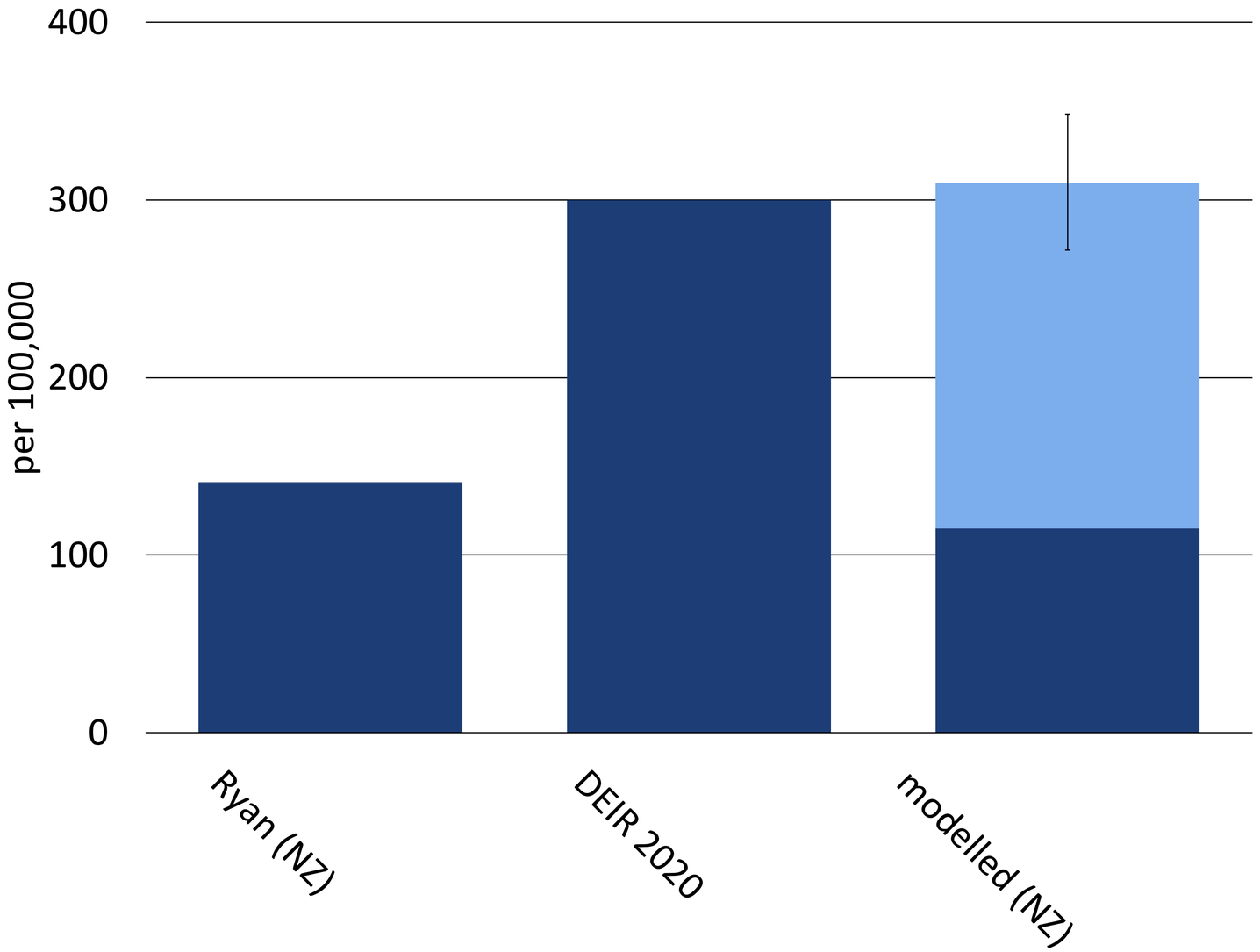
65+: ~1,350,000 (+68%)

Total Dementia: ~135,000 (+93%)

YOD: ~7,500 (+10%)

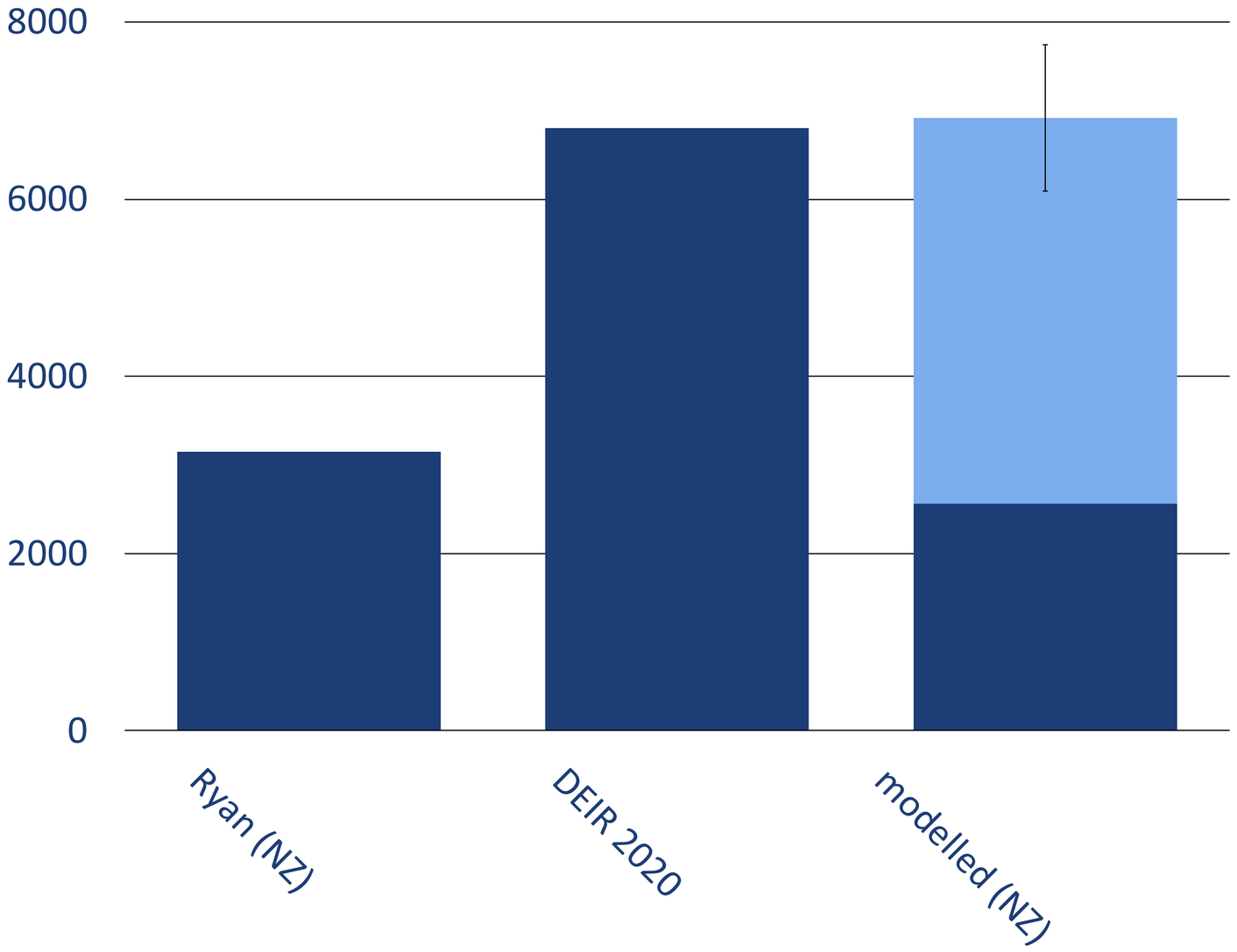
YOD prevalence

30-64



YOD prevalence

30-64



Age Distribution

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Pacific peoples population distribution



Māori population distribution



Asian population distribution



European population distribution



Stats NZ

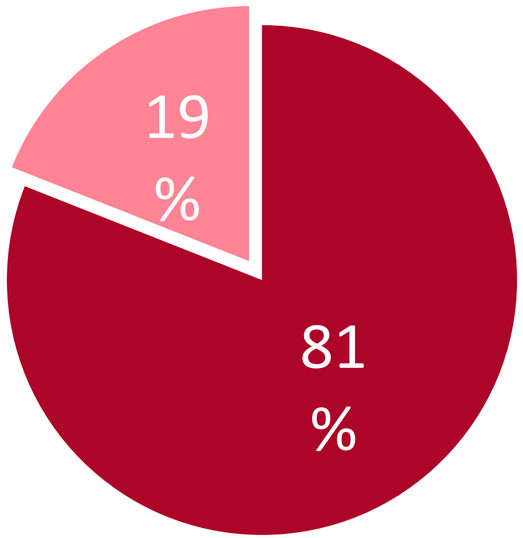
Age Distribution

Dementia prevalence

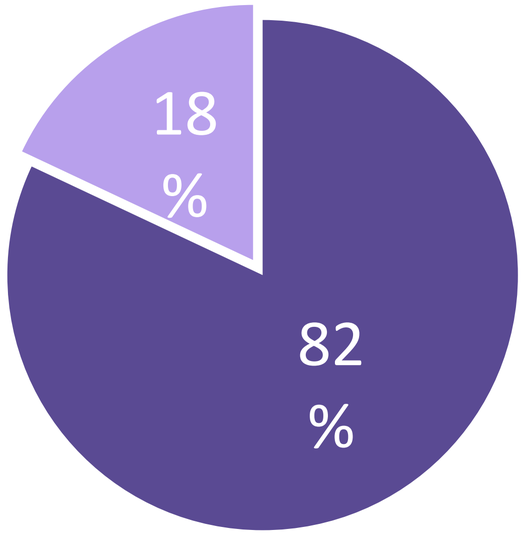
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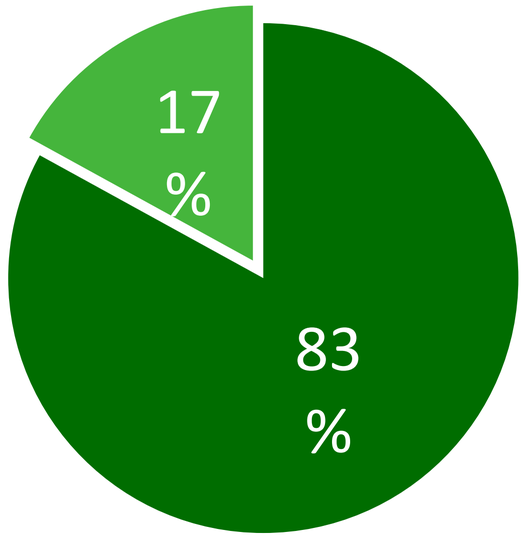
Māori



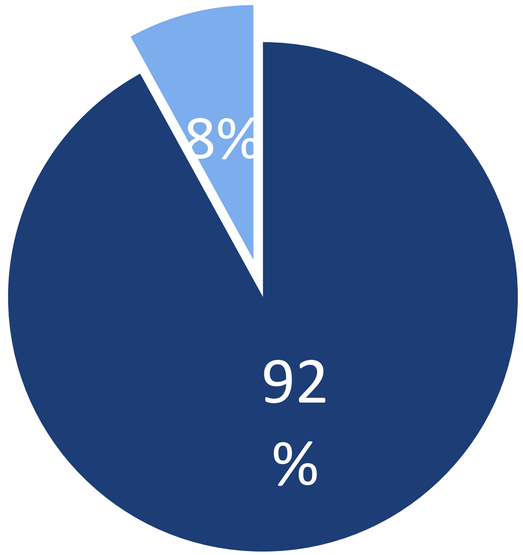
Pacific



Asian



European



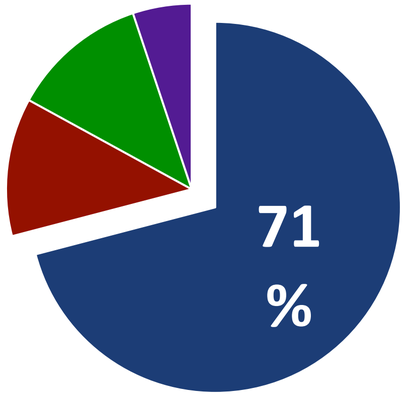
YOD Prevalence

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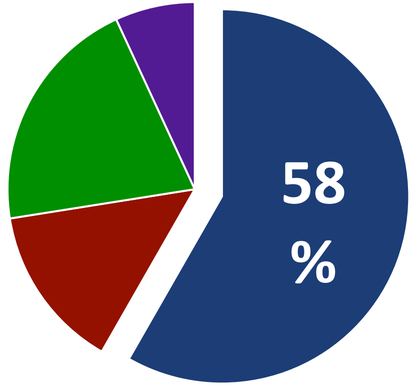
Ethnic projections based on population distribution

2020



European	1.03x
Māori	1.48x
Pacific	1.57x
Asian	1.75x

2040



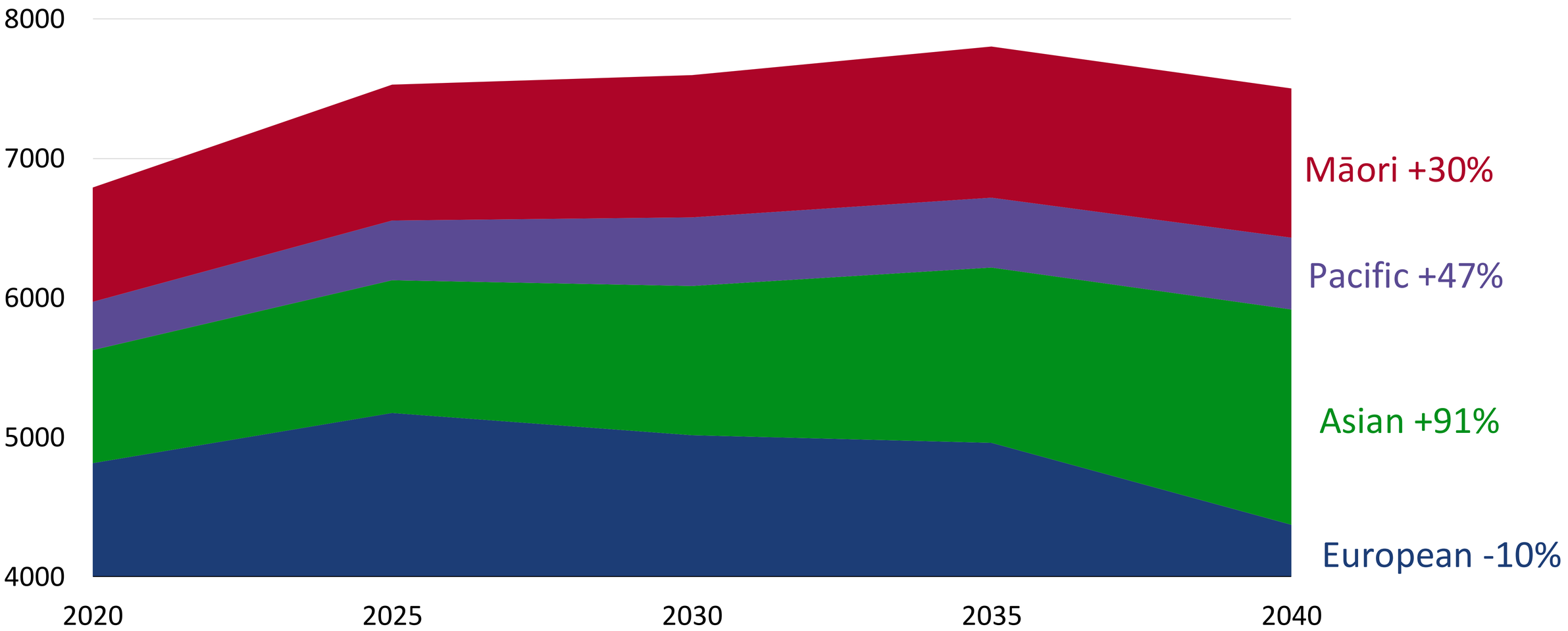
DEIR 2020

YOD Prevalence

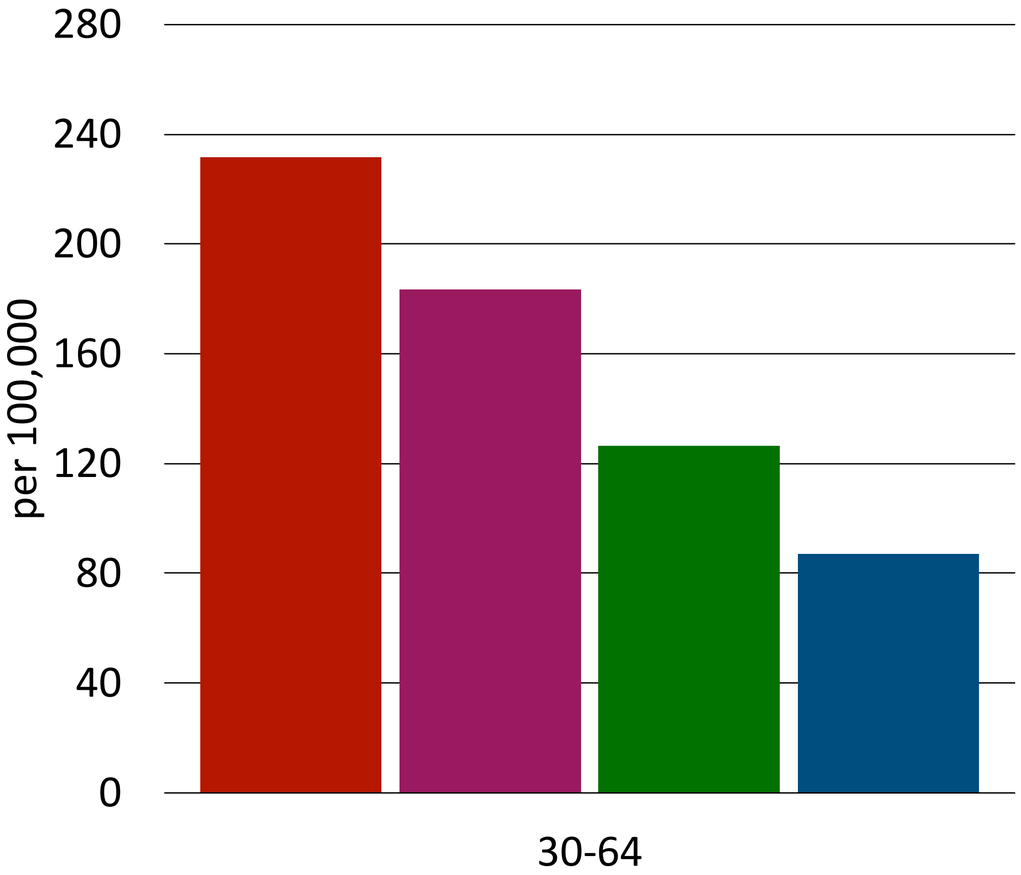
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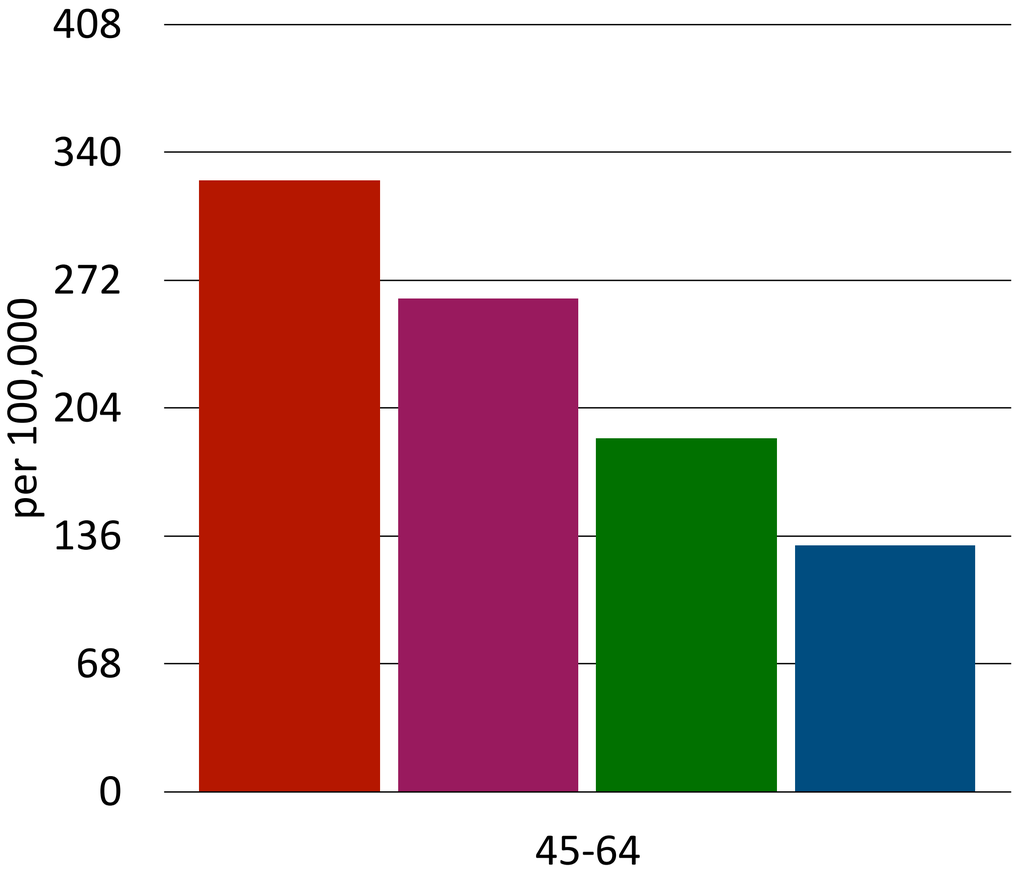
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Prevalence projections



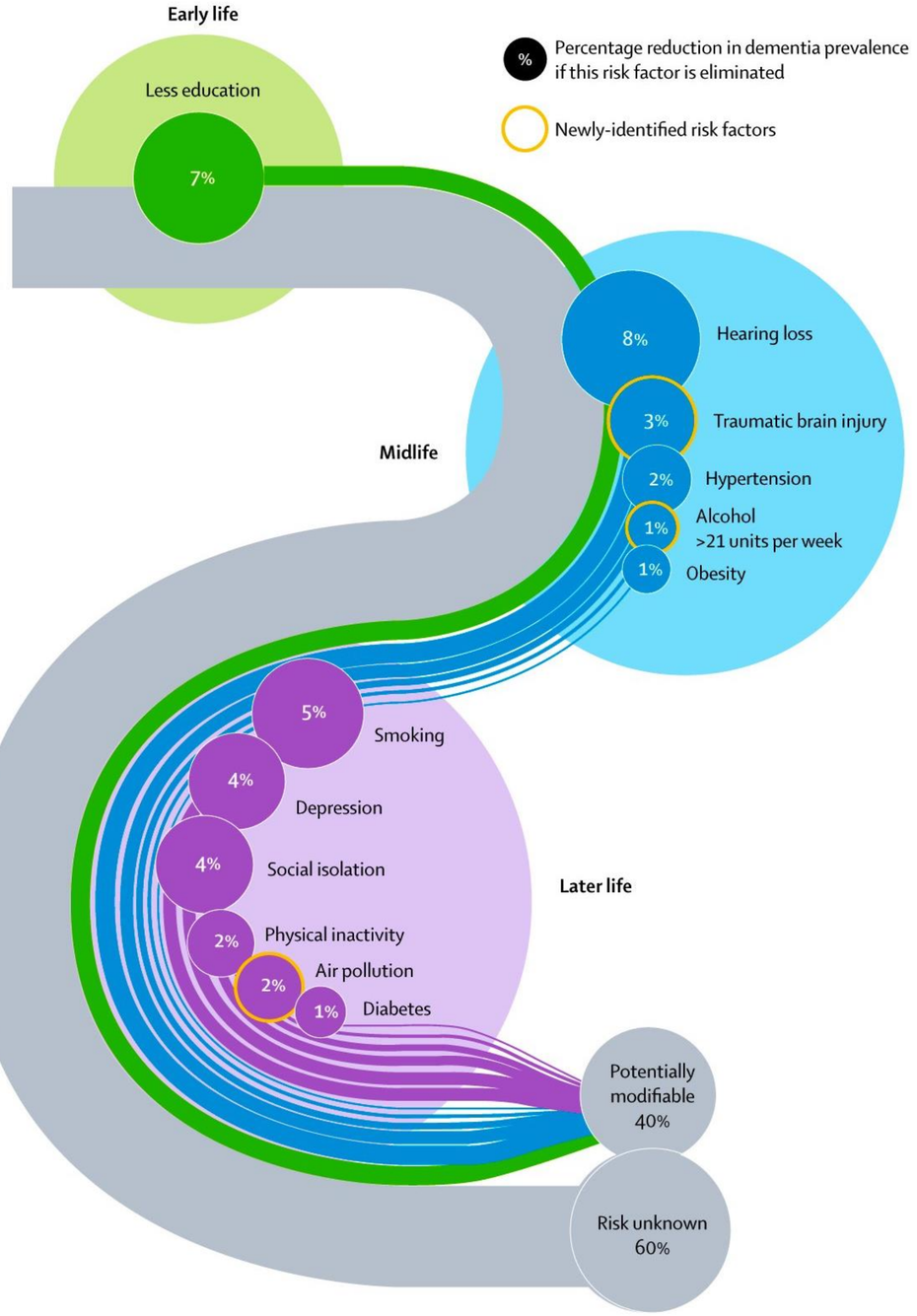
YOD prevalence





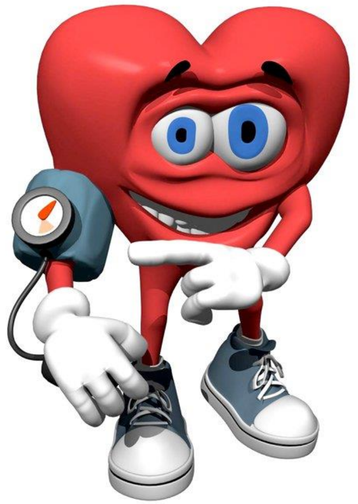
Māori Pacific Asian European

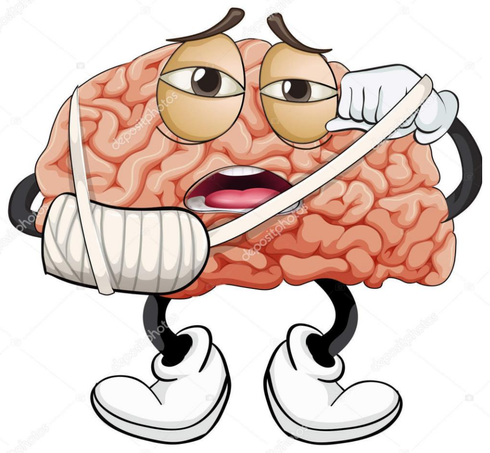
Ryan 2022

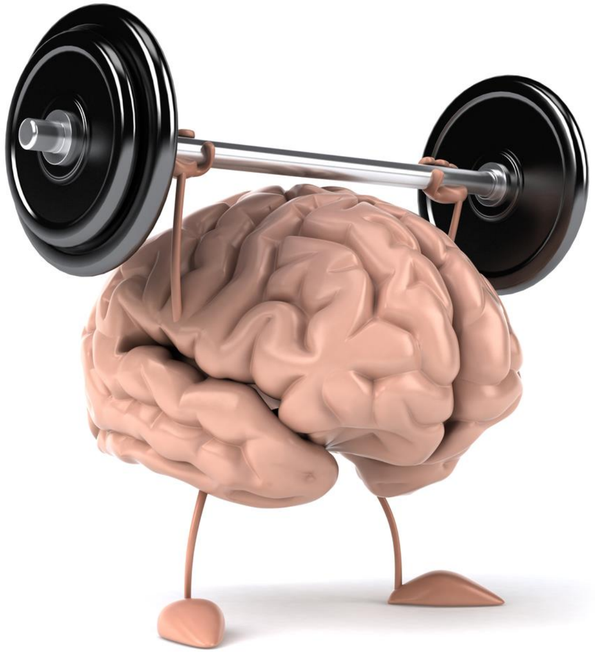


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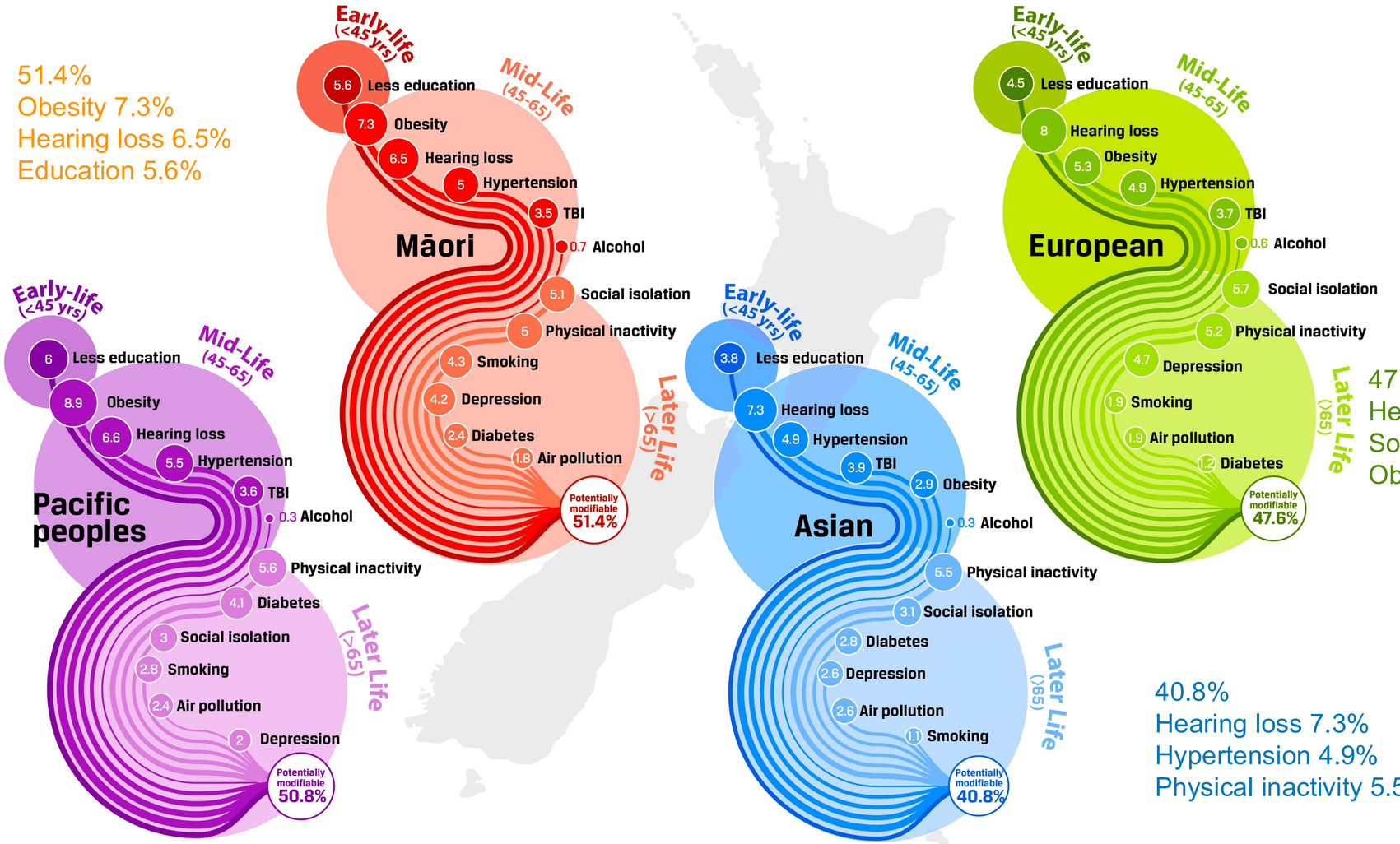
Livingston 2020

Dementia prevention potential

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Population Attributable Fraction (PAF), by ethnicity

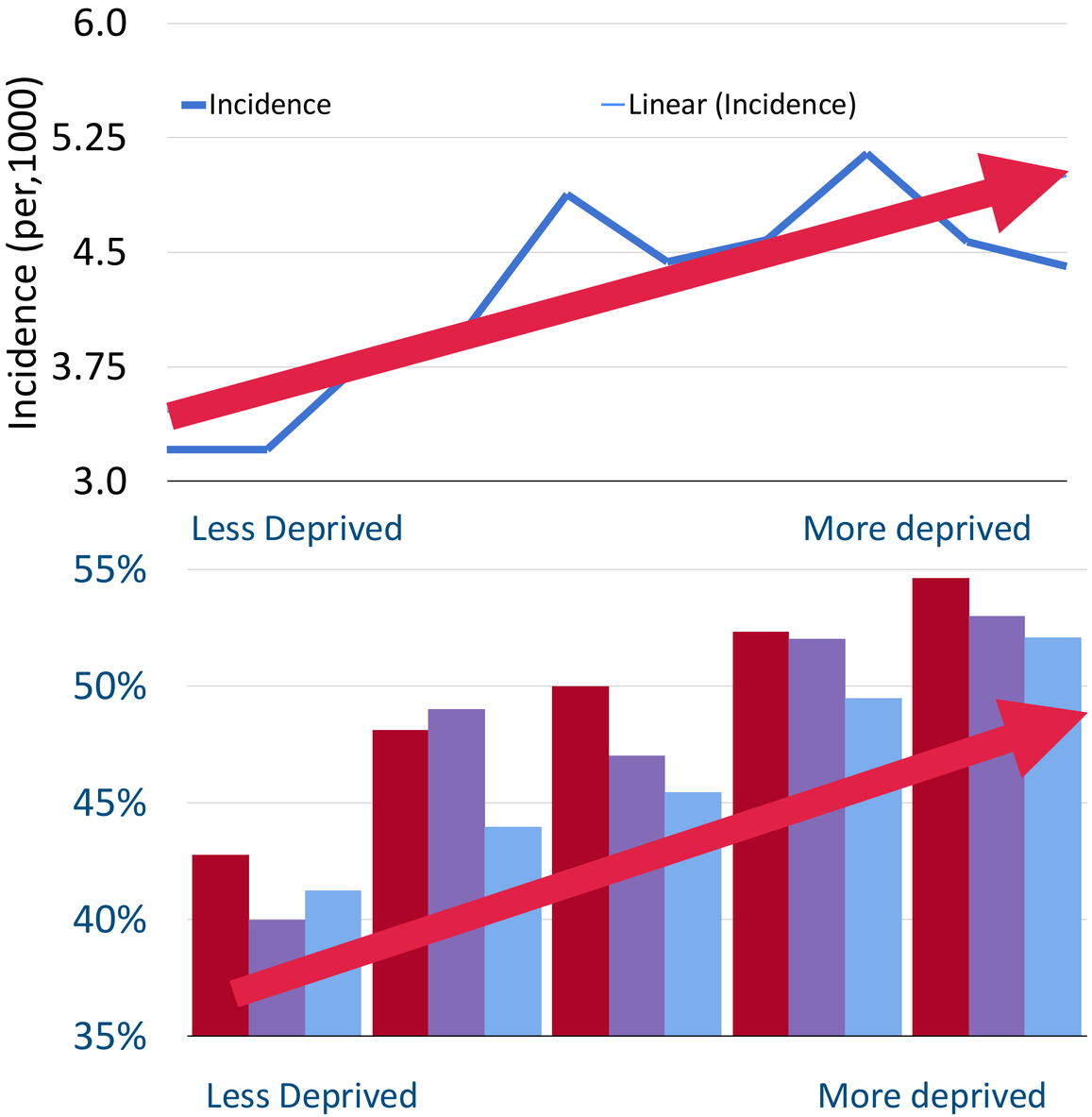


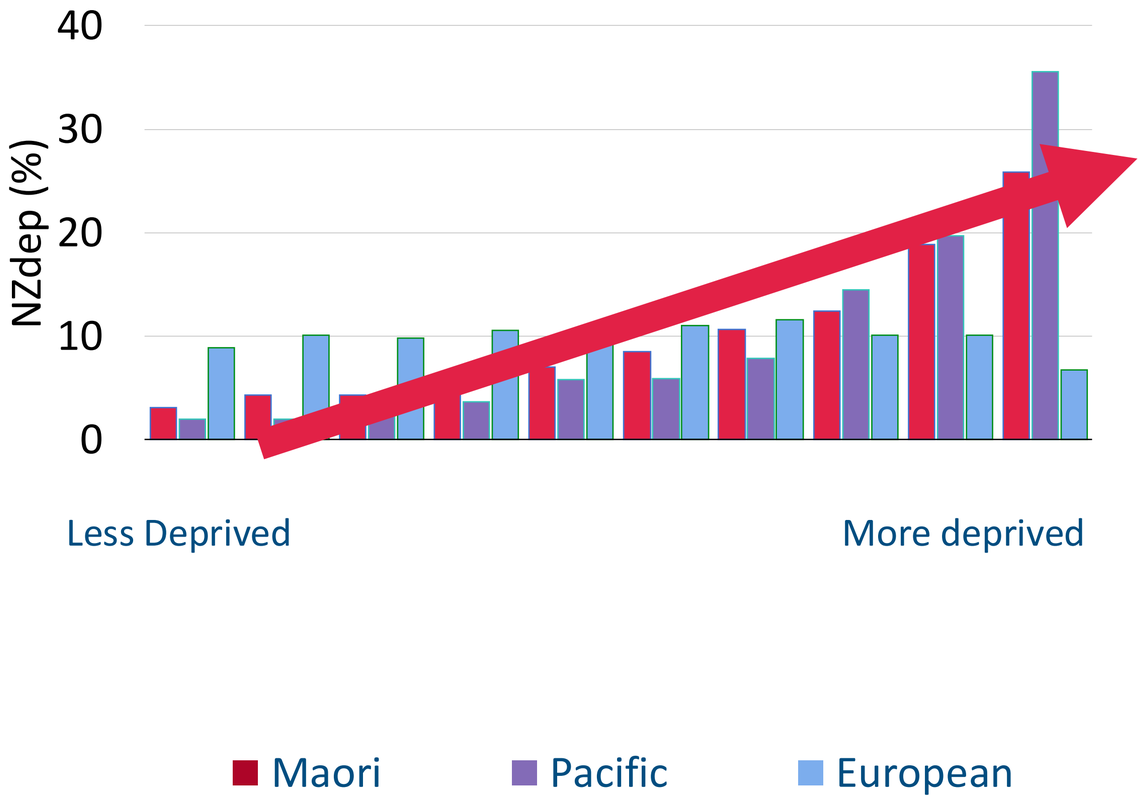
Ma'u 2021

Deprivation

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Take home message

Our population is changing…

In the next 20yrs:

- The total number of people with YOD will “only” increase by ~10%
  - **Europeans with YOD will actually reduce by ~10%**
  - All others will increase by 30% - 90%
- **Māori, Pacific peoples, and Asians will account for almost 50% of all YOD**
- Current YOD prevalence in Māori and Pacific are likely an underestimate
  - Deprivation and social disadvantage explain much of this difference

Thank You

University of Auckland

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Prof Dan Davis

Te Whatu Ora Health New Zealand Waikato

hrc nz

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