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Primary Care Home Population Health

A segmentation approach for the
Primary Care Home model



NAPC's definition of primary care



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- A person's first point of contact with the health and social care system
- A person-centred (holistic) approach, rather than disease focused, to continuous lifetime care
- A comprehensive set of services, delivered by multi-professional teams with a focus on population health needs
- The co-ordination and integration of care in partnership with patients and care providers.



Population health management



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Population health management is a proactive approach to managing the health and well-being of a population. It aims to incorporate the total care needs, costs and outcomes of the population.

It involves segmenting the population into groups of people with similar characteristics to enable targeted interventions for both those population cohorts and the individual citizens within.

Segmentation



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- Primary care homes set out to organise care and support around patients not organisations
- Basis – is an understanding of the population by:
 - Looking at the needs of distinct care-groups who share similar characteristics
 - Understanding the care processes required for each segment and mapping corresponding workforce requirements.
- Purpose
 - Understanding current and future needs
 - Design services to meet health and care needs
 - Understand / model budget (bundled payments)
 - Create worklists and measure outcomes.

What do we mean by segmentation?



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- **Segmentation** is the process of dividing a population into groups who share common characteristics using the statistical method of *cluster analysis*.
- Each group identified is given a unique classification and those definitions are known as a **typology**.
- Ideally each typology should contain populations that are as similar as possible to each other whilst being as different as possible from others.

Lots of models



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- Disease / service focused
- Risk focused
- Holistic needs focused



Why segment?

Uniformity



Equality



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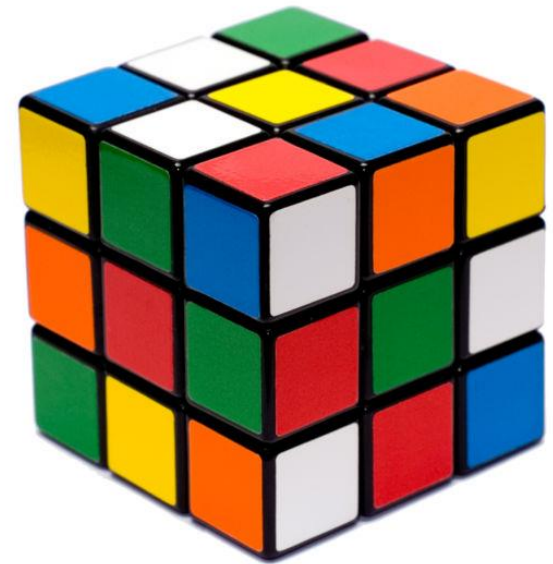


Our approach to segmentation



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- Simple
- Clinically and publicly meaningful
- Generated by existing data



	Generally well/ GOOD WELLBEING	Long term condition(s) / SOCIAL needs	Complexity of LTC(s)/ SOCIAL NEED and/or withTH disability
Children and young people			
Working age adults			
Older people			

Segmentation rules

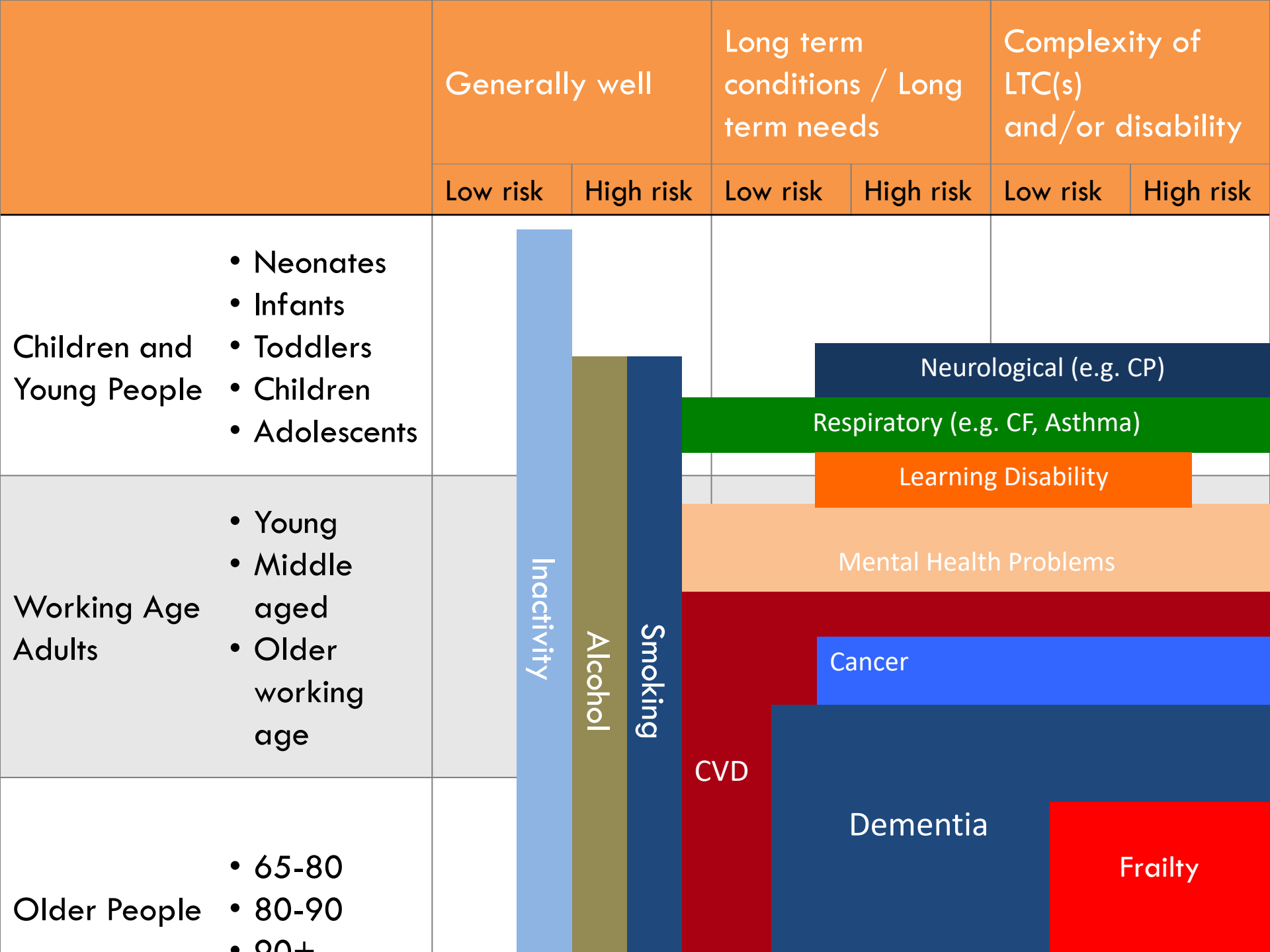


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- “**Complexity**” includes themes of multiple comorbidity, disability (physical/learning/cognitive/social), end of life, severe & enduring mental illness (esp. with drug and alcohol problems)
- “**Generally Well**” is defined by absence of activity data and absence of data on poor wellbeing
- “**Risk**” is the probability of moving up to the next tier of need (see later)

	Generally well	Long term conditions / Long term needs	Complexity of LTC(s) and/or disability
<p>Children and Young People</p> <ul style="list-style-type: none"> • Neonates • Infants • Toddlers • Children • Adolescents 			
<p>Working Age Adults</p> <ul style="list-style-type: none"> • Young • Middle aged • Older working age 			
<p>Older People</p> <ul style="list-style-type: none"> • 65-80 • 80-90 • 90+ 			

	Generally well		Long term conditions / Long term needs		Complexity of LTC(s) and/or disability	
	Low risk	High risk	Low risk	High risk	Low risk	High risk
Children and Young People <ul style="list-style-type: none"> • Neonates • Infants • Toddlers • Children • Adolescents 						
Working Age Adults <ul style="list-style-type: none"> • Young • Middle aged • Older working age 						
Older People <ul style="list-style-type: none"> • 65-80 • 80-90 						



	Generally well	Long term condition(s) Long term needs	Complexity of LTC(s) and/or disability
Children and young people			
Working age adults			
Older people			

Generally well

Long term condition(s)
Long term needs

Complexity of LTC(s)
and/or disability

Children and young people

Working age adults

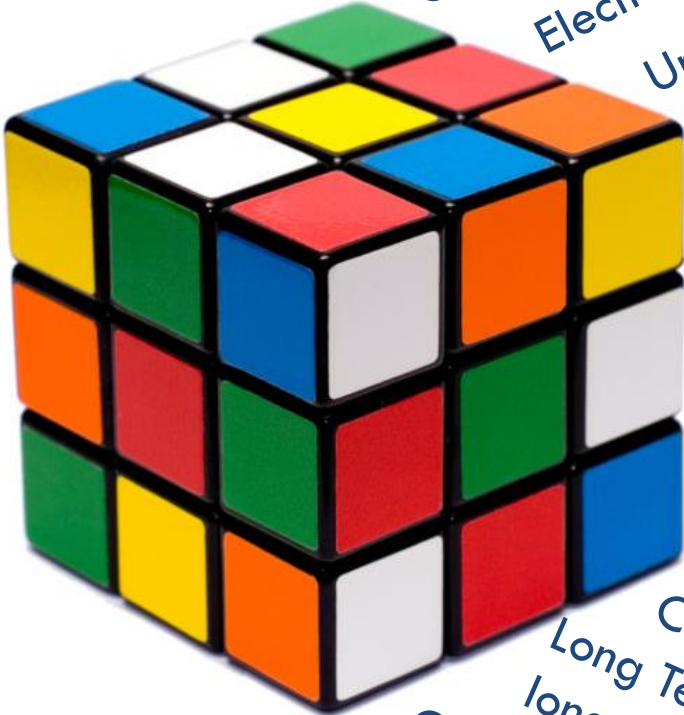
Older people

Population health cube



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Ongoing Care Needs
Elective Care Needs
Urgent Care Needs



Children and Young
People

Working Age Adults

Older People

Complex Needs
Long Term Condition(s) /
long term needs
Generally Well



Want to know more about Primary Care Home?

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