

How do we improve the health of our populations?

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Problems of 21st Century Healthcare

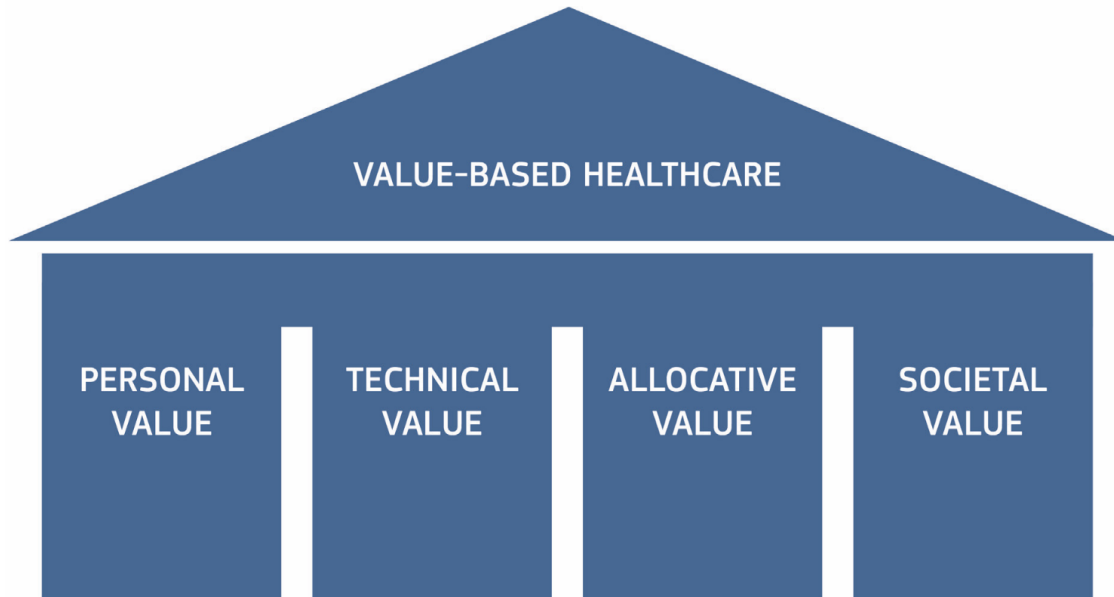
- Patient harm
- Unwarranted variation in outcomes
- Inequity
- Failure to prevent the preventable
- Waste of finite resources (financial and human)
- Increasing need and demand
- Stagnant/decreasing resources

Value in Universal Healthcare Systems

Universal healthcare systems:

- Must provide care to the **whole population**
- Care must be provided within a **finite budget**

Quadruple Value Framework

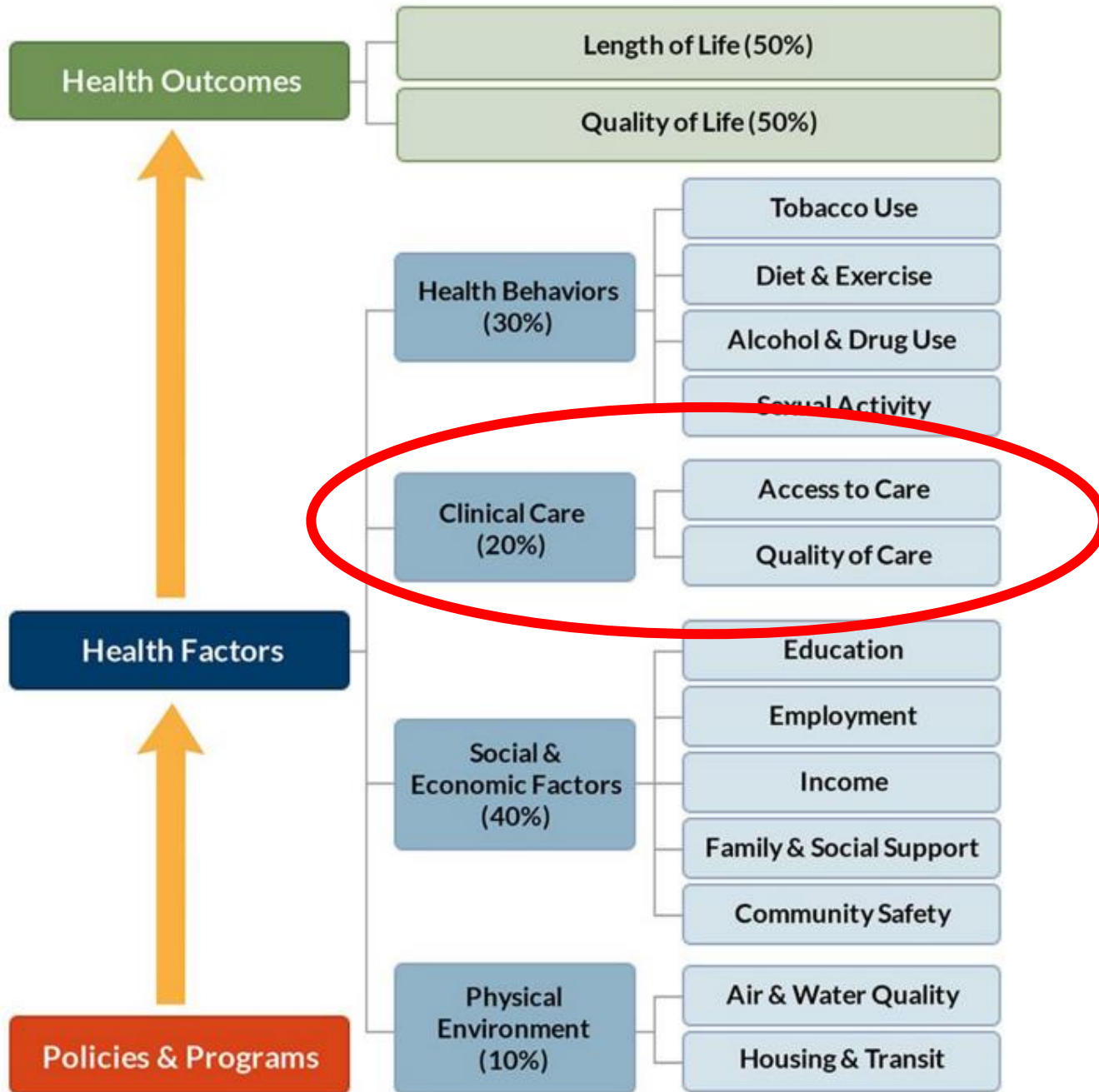


Improve Patient Outcomes (Personal)
-clinical outcomes & individual needs

Improve Population Outcomes (Allocative)
-addressing unmet need & equality/equity

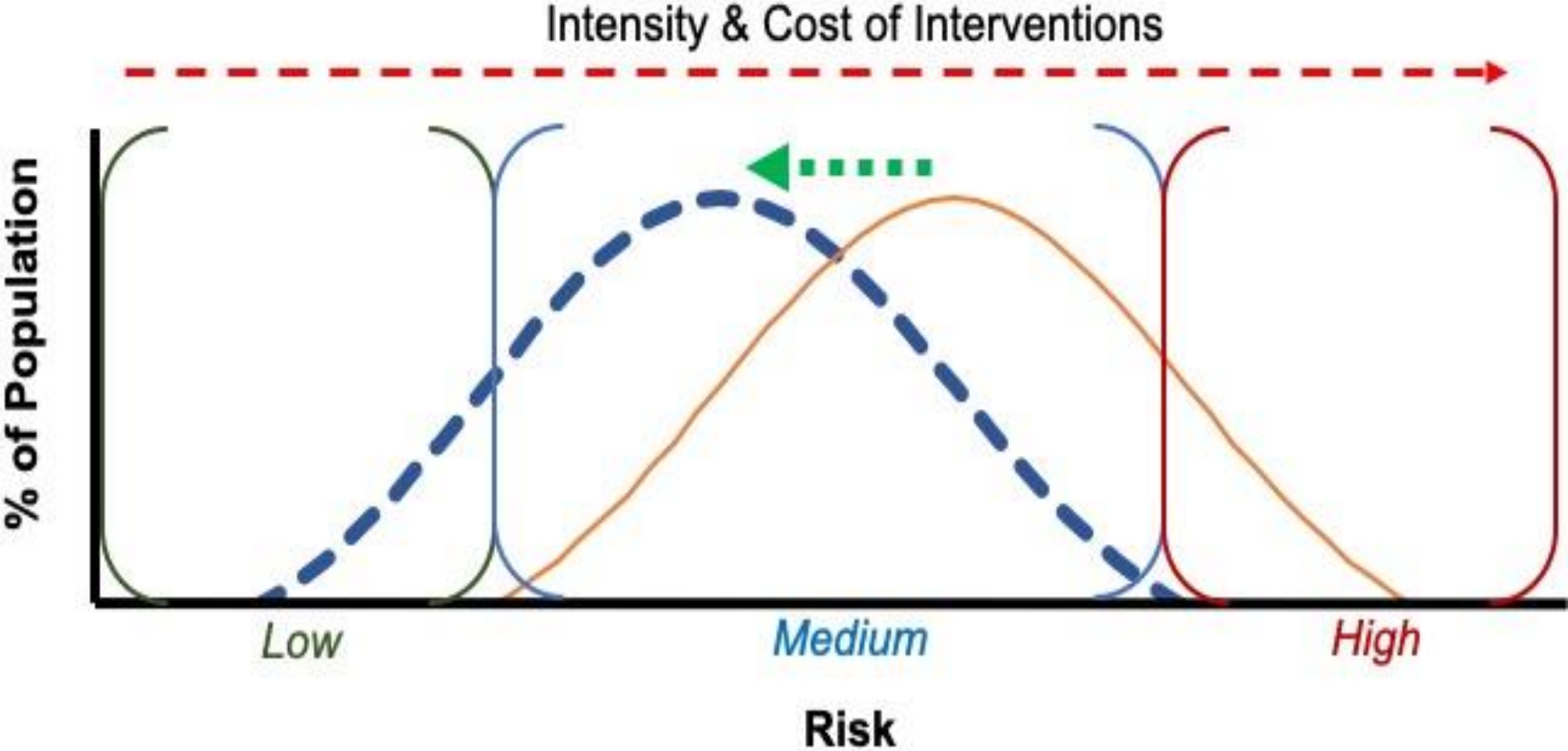
Improve Societal Outcomes (Societal)
-social cohesion & societal resilience

Optimise Resource Utilisation (Technical)
*-money, time (healthcare and citizen),
space, carbon*



County Health Rankings model © 2014 UWPHI

Population Health: Building Healthy Societies



Jani A and Kawazura Y. Policy responses to the nonlinear future of COVID-19's aftermath. COVID: A complex systems approach. In: Morales A.J. ed. *COVID-19 A Complex Systems Approach Papers and Commentaries*. New York: STEM Academic Press, pp. 209-221.

Our Right-ward, LOW VALUE, Drift to a Sick Europe

- NCDs: ~75% of all diseases and 85% of all deaths in Europe^{1, 2}
- €700 billion annually to treat NCDs^{1, 2}
 - ~70% of the ~€1 trillion (7-10% of GDP) EU governments spend on healthcare/year
- 51% of the global population (>4 billion people) overweight or obese by 2035³
 - 1 in 4 people (~2 billion) will be obese
- Economic impact: \$4.32 trillion annually by 2035³
 - ~3% of global GDP

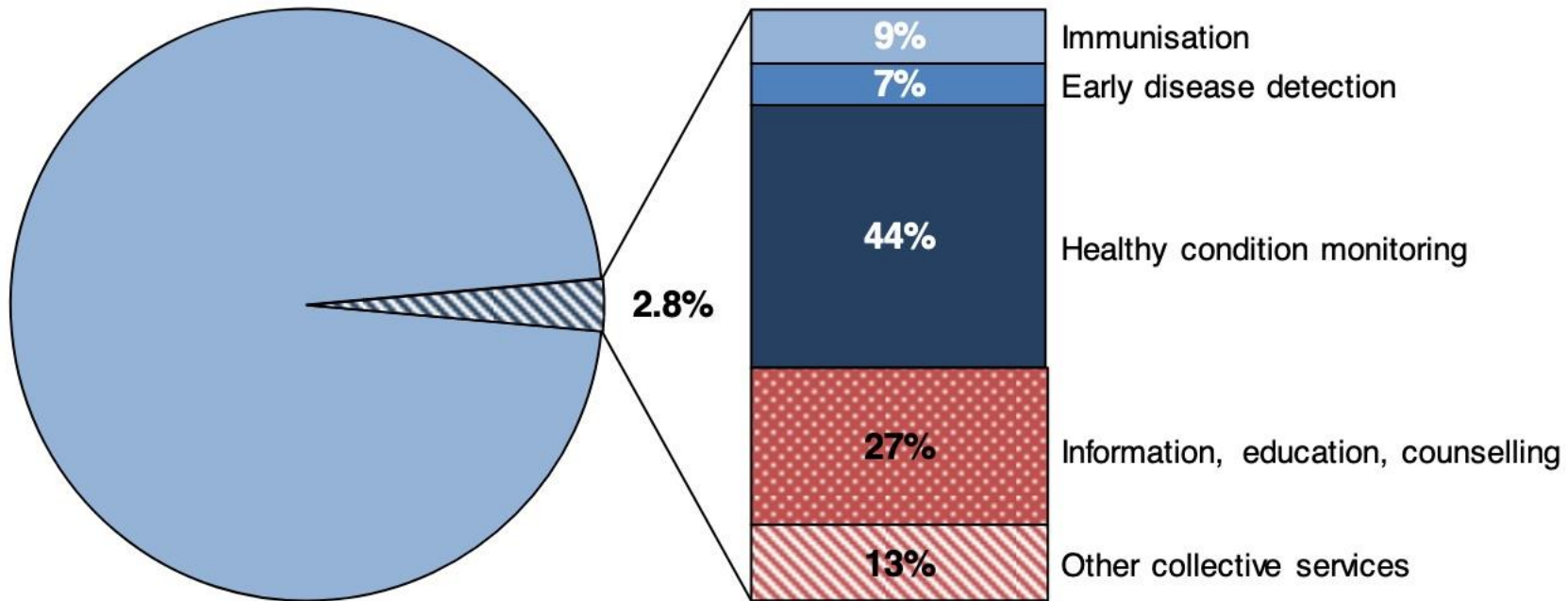
1. <https://www.who.int/news-room/fact-sheets/detail/noncommunicable-diseases>
2. <https://easl.eu/wp-content/uploads/2019/05/Final-NCD-Paper-full-version.pdf>
3. https://www.worldobesityday.org/assets/downloads/World_Obesity_Atlas_2023_Press_Release.pdf

Where will we find the money???

Population Health: Building Healthy Societies

Only a small fraction of health spending goes on prevention activities...

...with a large proportion allocated to healthy condition monitoring programmes



Allocative Value & *Opportunity Cost* & **WASTE!!!!!!!**

£15 billion: Department of Health wasted £15bn on unused Covid supplies, watchdog finds

£0.4 billion: England's Covid test and trace spending over £1m a day on consultants

£0.8 billion: How UK spent £800m on controversial Covid tests for Dominic Cummings scheme

£2.0 billion: Government review finds 10% of drugs dispensed in England are pointless

£5-8.0 billion: Nonadherence: 40% to 50% of patients who are prescribed medications for management of chronic conditions

£23.2 billion WASTED (likely a gross underestimate)...

Does everyone have an opportunity to be healthy?

“There are all sorts of reasons why people become obese, but the 42 chicken shops per secondary school in the borough are definitely among them.”

NHS nurses not eating at work in order to feed their children, survey finds

People in Cardiff 'eating pet food'

Interest-free loans to be rolled out in UK to help with food bills

- offer sums of £25 to £100 to buy everyday items

Thanks!

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