

MM802 Visualization Mini-project

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Mental Health Matters

Counselling & Clinical Services WORKSHOPS ON-DEMAND

Request a free mental health workshop on:

- anxiety management
- relationships
- building resiliency
- creating happiness
- setting goals



Common Mental Disorders

Depressive disorders (Depression)

- Mental: sadness, loss of interest or pleasure, feelings of guilt or low self-worth.

- Physical: disturbed sleep or appetite, feelings of tiredness, and poor concentration.

- The major contributor to suicide deaths [1].

Anxiety disorders

- Feelings of anxiety and fear

- Including panic disorder, phobias, social anxiety disorder, obsessive-compulsive disorder (OCD) and post-traumatic stress disorder (PTSD)

WHO Report [1]

- First step is understanding.

- Prevalence

of cases reported

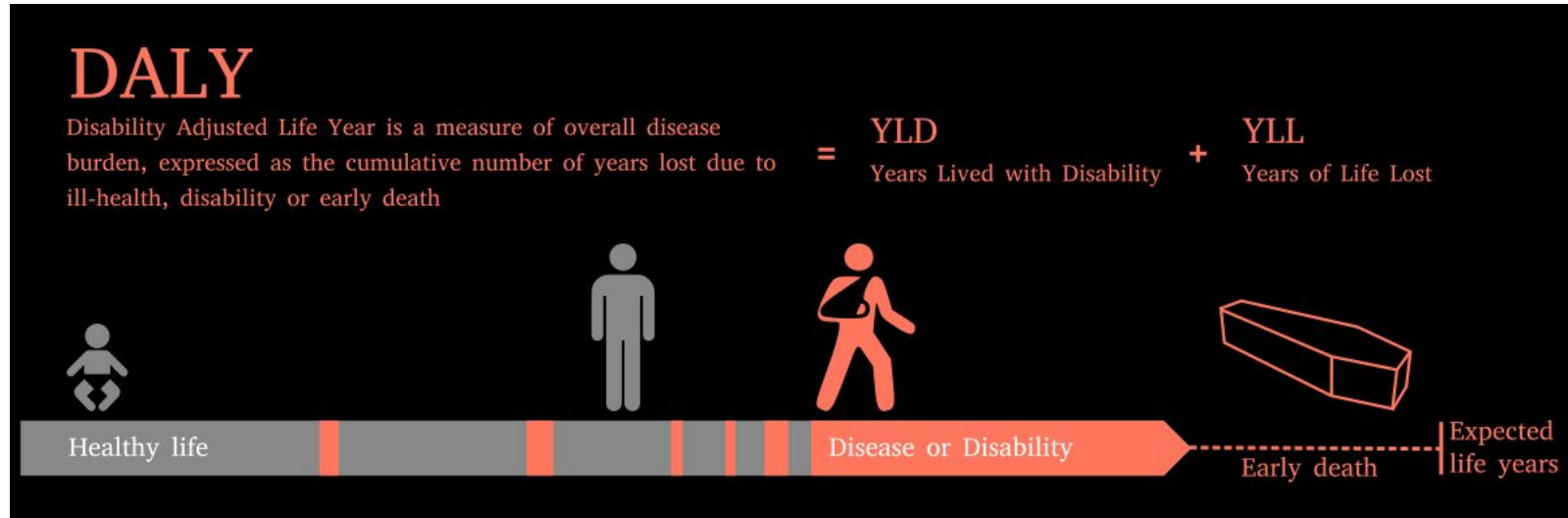
% in population

- Health Loss

YLD ----- ?

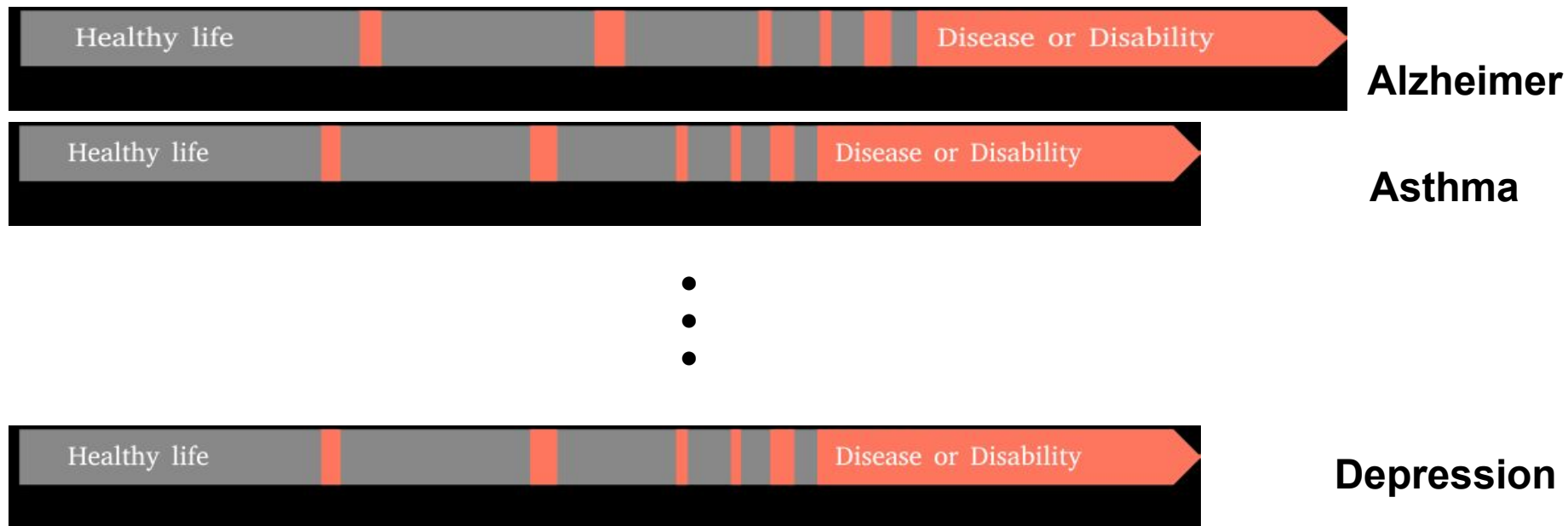
COUNTRY	PREVALENCE*				HEALTH LOSS / DISEASE BURDEN**			
	Depressive Disorders		Anxiety Disorders		Depressive Disorders		Anxiety Disorders	
	Total cases	% of population	Total cases	% of population	Total Years Lived with Disability (YLD)	% of total YLD	Total Years Lived with Disability (YLD)	% of total YLD
Antigua and Barbuda	4 424	5,1%	5 327	6,1%	794	9,0%	492	5,6%
Argentina	1 914 354	4,7%	2 542 091	6,3%	340 420	8,5%	235 969	5,9%
Bahamas	19 138	5,2%	22 721	6,2%	3 413	8,7%	2 093	5,4%
Barbados	14 586	5,4%	16 640	6,1%	2 575	8,0%	1 522	4,8%
Belize	14 956	4,4%	19 295	5,7%	2 713	8,9%	1 792	5,9%
Bolivia (Plurinational State of)	453 716	4,4%	565 857	5,4%	82 101	8,6%	52 430	5,5%
Brazil	11 548 577	5,8%	18 657 943	9,3%	2 129 960	10,3%	1 718 833	8,3%

Health Loss



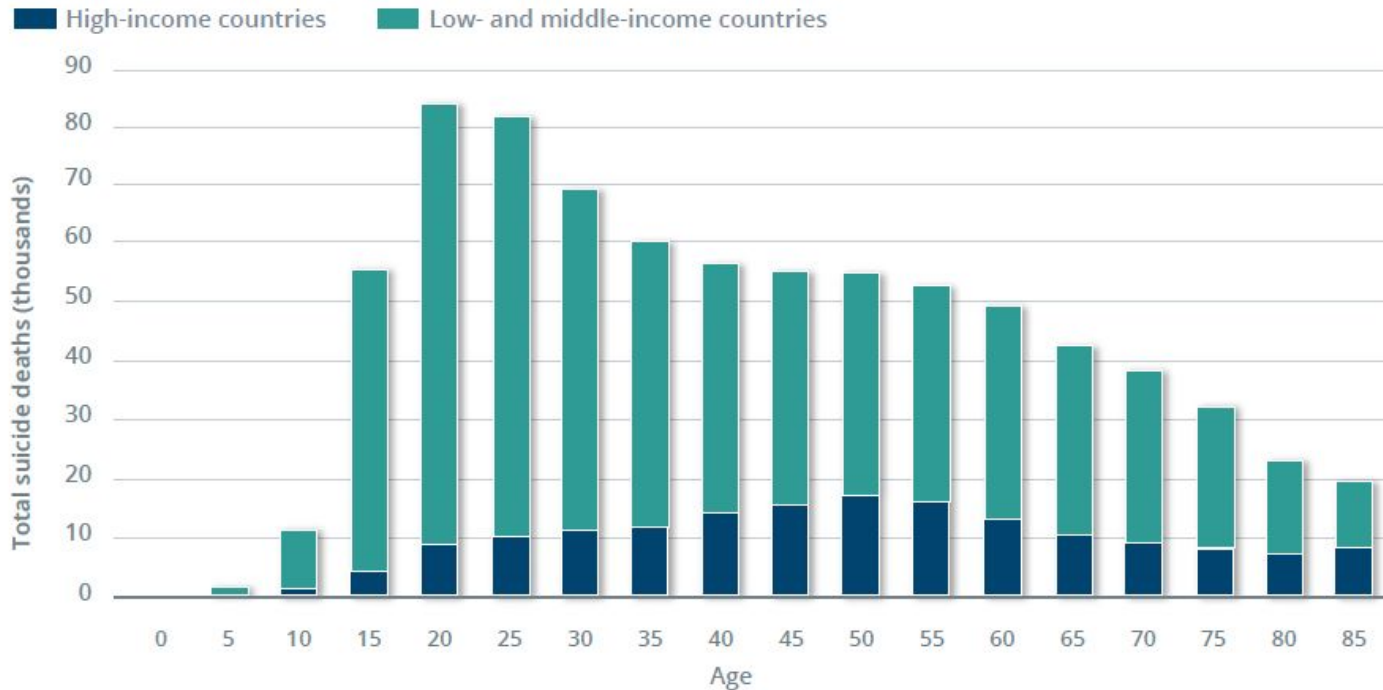
Estimate YLD of certain disease = Prevalence of the disease \times the Average level of disability [1]

Percentage of YLD among All Disease



Economic Status

Global suicides, by age and country income level (thousands)



Economic Status

- GDP (Gross Domestic Product) per capita
- GDP growth rate

The screenshot displays the 'National Accounts Main Aggregates Database' interface. At the top, there is a navigation bar with links: Home, Data Selection, Data Availability, Downloads, Meta-Data, Glossary & Reference, Survey, and Links. Below this, a status bar indicates 'Latest Data Upload: December 2017'. The main section is titled 'Basic Data Selection' and contains three steps:

- 1. Step: Select Countries and/or Areas**
This step includes a list box on the left with the text 'Select and double click' and a dropdown menu showing options: --All--, Afghanistan, Africa, Albania, Algeria, and Americas. To the right is a 'Selected Countries/Areas' list box. Below the list box are three buttons: Add, Remove, and Remove All.
- 2. Step: Select Series**
This step features a dropdown menu with the text 'GDP, at current prices - National currency'.
- 3. Step: Select Years**
This step includes a list box on the left with the text 'Select and double click' and a dropdown menu showing years: --All--, 2016, 2015, 2014, 2013, and 2012. To the right is a 'Selected Years' list box. Below the list box are three buttons: Add, Remove, and Remove All.

Estimates of Mental Disorders on Country Economic Status

Tools

D3:

Deal with Data

JQuery:

Create trigger event for functions

Environment

Microsoft Azure

Web page presentation

References

- [1] World Health Organization et al. Depression and other common mental disorders: global health estimates. 2017.
- [2] https://en.wikipedia.org/wiki/Disability-adjusted_life_year

Questions?