

The Global Impact of Dementia



Marc Wortmann, Executive Director



**Alzheimer's Disease
International**



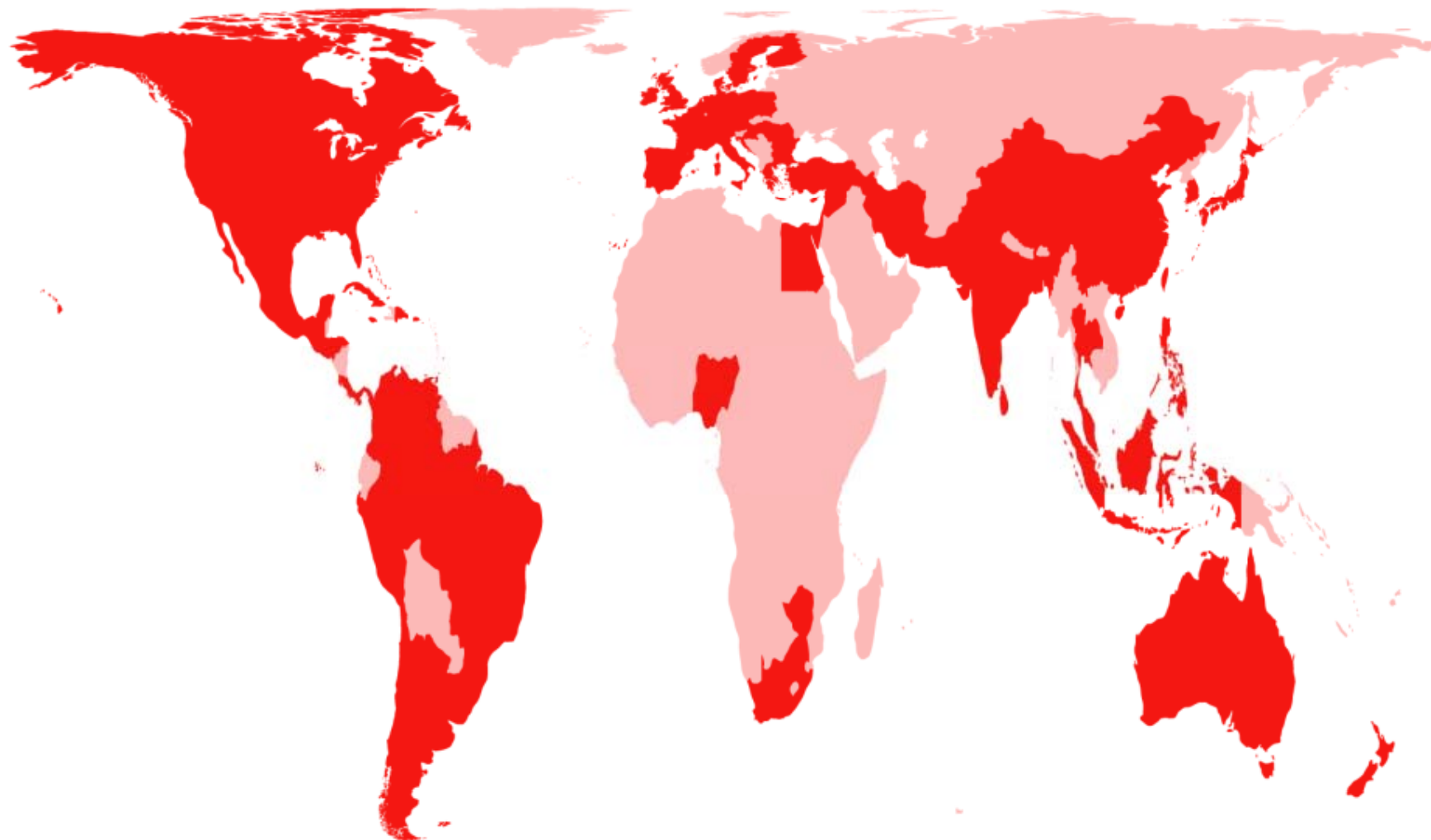
What is ADI

- **Alzheimer's Disease International, the worldwide federation of 76 national Alzheimer associations**
- **Each member is the leading association in its country, who provide information and services**
- **Vision: an improved quality of life for people with dementia and their families**
- **Main objectives: raising global awareness, strengthening member associations and making dementia a global health priority**

Member countries 2009–2010



Alzheimer's Disease
International





World Alzheimer's Day

- 21 September each year
- 67 countries participated
- Huge variety of activities worldwide
- World Alzheimer Report 2011 used by members
- *Theme: Faces of Dementia.*



10/66 Dementia Research Group

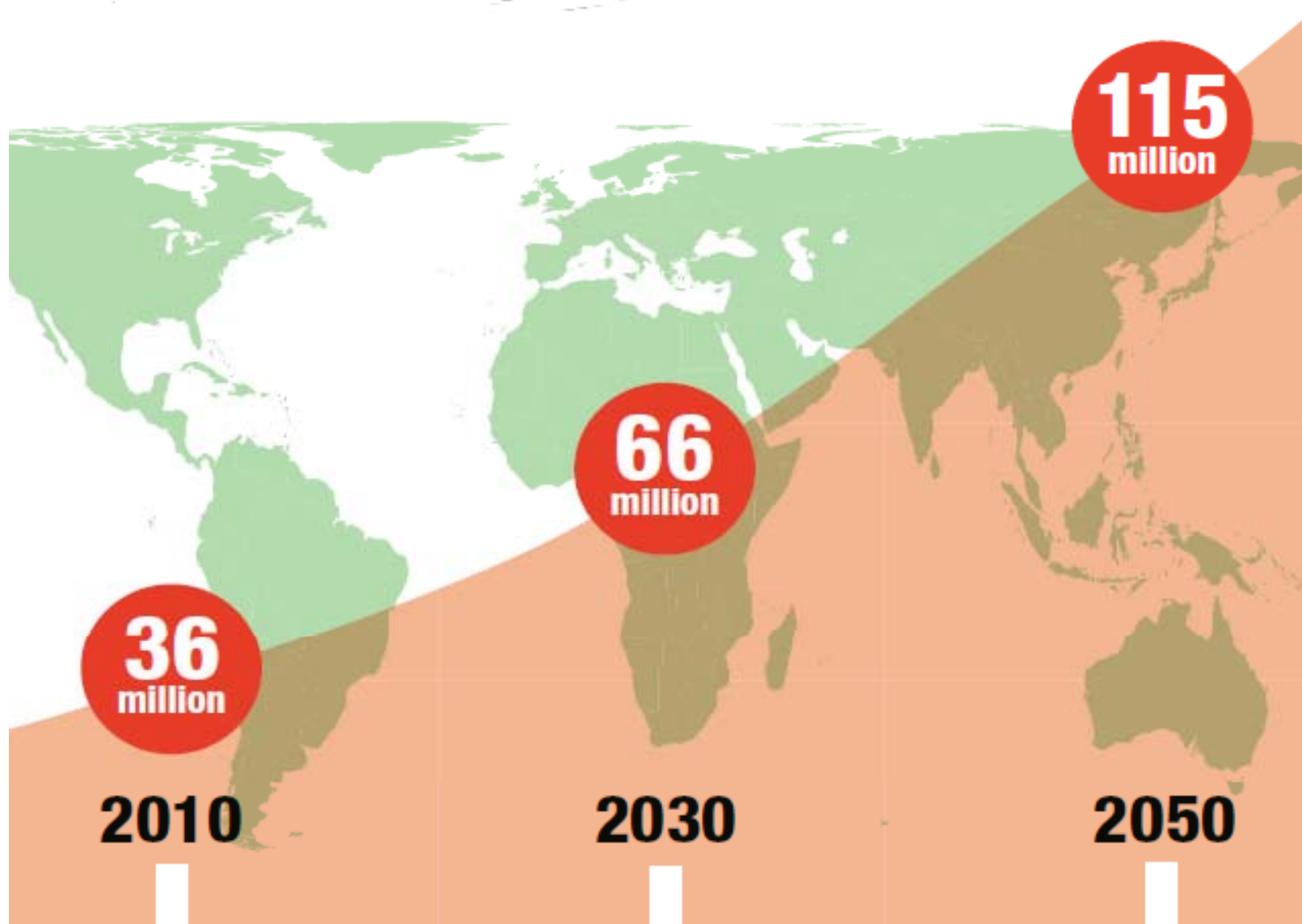


- Population-based research into dementia, non-communicable diseases and ageing in low and middle income countries
- 30 research groups in 20 countries in Latin America, the Caribbean, India, Russia, China and south east Asia
- Quantify prevalence and impact of providing care
- Encourage development of services and education
- Tool: Helping Carers to Care

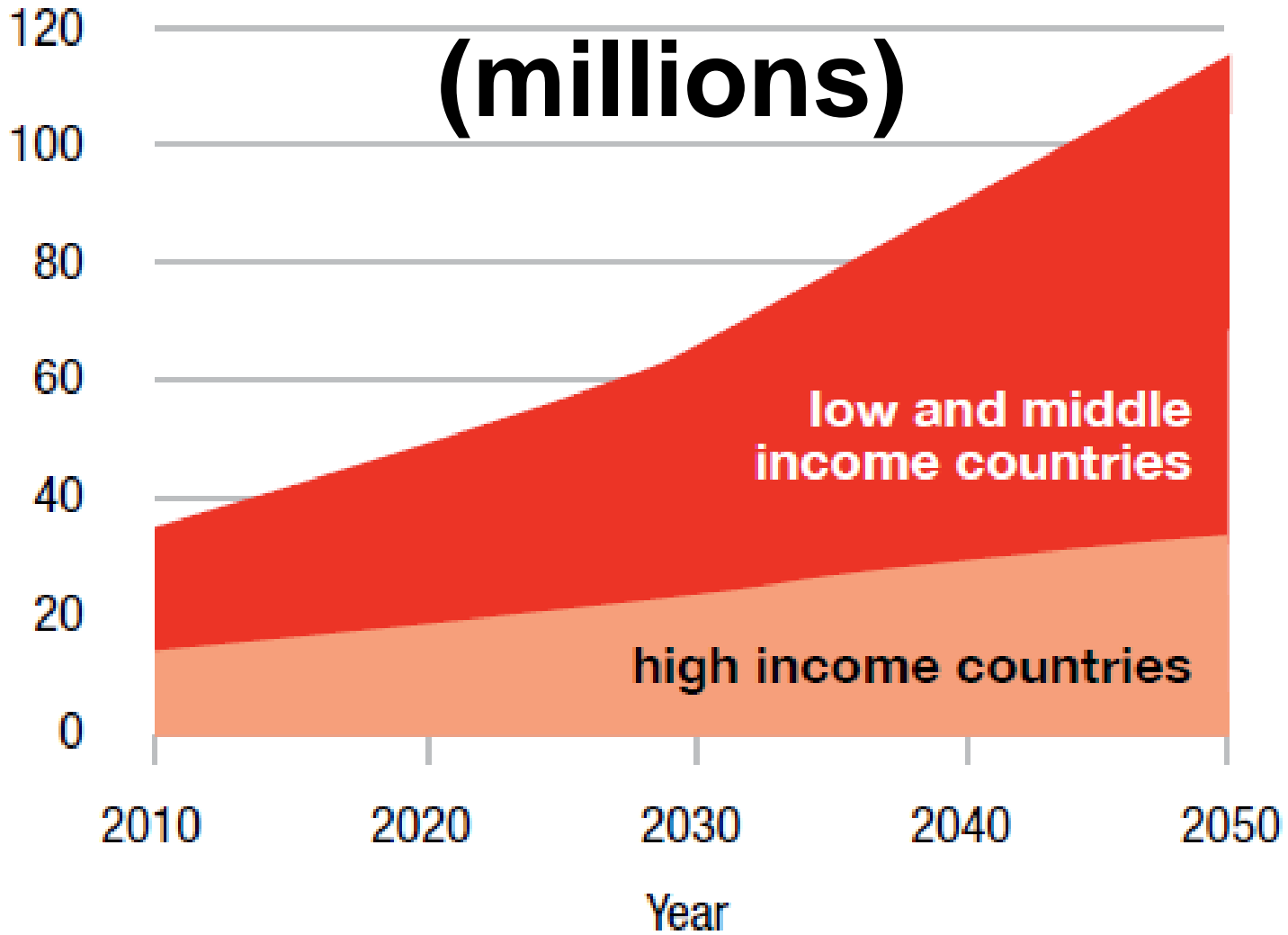


www.alz.co.uk/1066

Dementia worldwide



Numbers of people with dementia (millions)



Worldwide costs of



	Number of people with dementia	Informal care (all ADLs)	Direct costs		Total costs	Percent of GDP
			Medical	Social		
Australasia	311,327	4.30	0.70	5.07	10.08	0.97%
Asia Pacific High Income	2,826,388	34.60	5.23	42.29	82.13	1.31%
Oceania	16,553	0.07	0.02	0.01	0.10	0.46%
Asia Central	330,125	0.43	0.28	0.24	0.94	0.36%
Asia East	5,494,387	15.24	4.33	2.84	22.41	0.40%
Asia South	4,475,324	2.31	1.16	0.57	4.04	0.25%
Asia Southeast	2,482,076	1.77	1.48	0.73	3.97	0.28%
Europe Western	6,975,540	87.05	30.19	92.88	210.12	1.29%
Europe Central	1,100,759	8.59	2.67	2.94	14.19	1.10%
Europe Eastern	1,869,242	7.96	3.42	2.94	14.33	0.90%
North America High Income	4,383,057	78.76	36.83	97.45	213.04	1.30%
Caribbean	327,825	1.50	0.78	0.71	2.98	1.06%
Latin America Andean	254,925	0.35	0.31	0.28	0.93	0.43%
Latin America Central	1,185,559	1.58	2.61	2.37	6.56	0.37%
Latin America Southern	614,523	2.36	1.42	1.29	5.07	1.02%
Latin America Tropical	1,054,560	2.17	2.67	2.42	7.26	0.42%
North Africa / Middle East	1,145,633	1.90	2.05	0.54	4.50	0.16%
Sub-Saharan Africa Central	67,775	0.04	0.02	0.01	0.07	0.06%
Sub-Saharan Africa East	360,602	0.28	0.08	0.04	0.40	0.17%
Sub-Saharan Africa Southern	100,733	0.52	0.11	0.06	0.69	0.24%
Sub-Saharan Africa West	181,803	0.11	0.04	0.02	0.18	0.06%
Total	35,558,717	251.89	96.41	255.69	603.99	1.01%

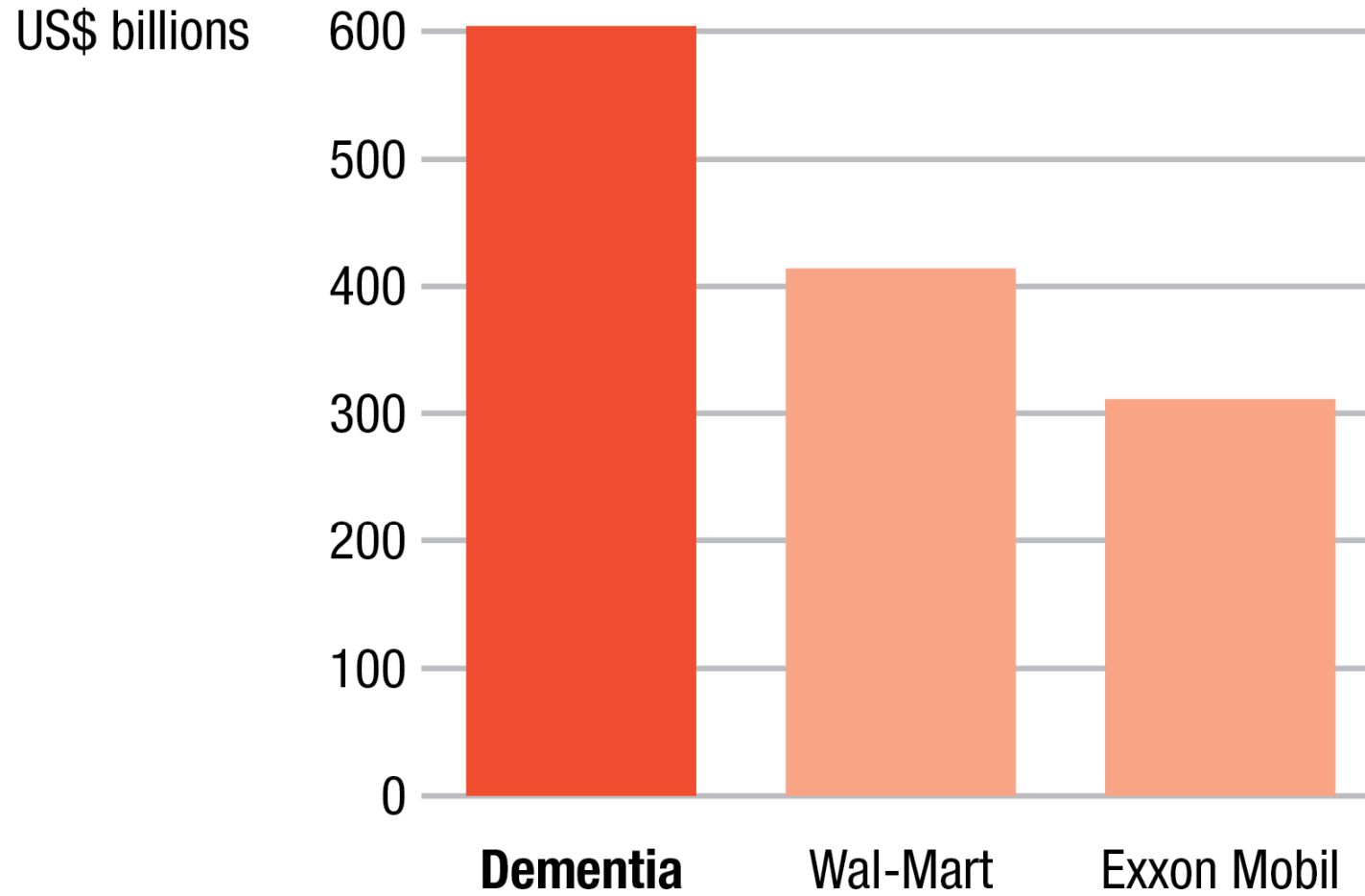
Worldwide costs of dementia in 2010



	Number of people with dementia	Informal care (all ADL)	Direct costs		Total costs	Percent of GDP
			Medical	Non-medical		
Low income	5036979	2.52	1.23	0.62	4.37	0.24%
Lower middle income	9395204	18.90	6.74	3.57	29.21	0.35%
Upper middle income	4759025	13.70	10.44	8.35	32.49	0.50%
High income	16367508	216.77	78.00	243.14	537.91	1.24%
All	35558717	251.89	96.41	255.69	603.99	1.01%

	Prevalence	Informal care (all ADL)	Direct costs		Total costs
			Medical	Social	
Low income	14.2%	1.0%	1.3%	0.2%	0.7%
Lower middle income	26.4%	7.5%	7.0%	1.4%	4.8%
Upper middle income	13.4%	5.4%	10.8%	3.3%	5.4%
High income	46.0%	86.1%	80.9%	95.1%	89.1%
All	100%	100%	100%	100%	100%

Cost of dementia compared to company revenue





Alzheimer's Disease
International

World Alzheimer Report 2011

The benefits of early diagnosis and intervention



World Alzheimer Report 2011



- **Early Interventions make a difference to people with dementia and their families**
- **Only 1 out of 4 actually receive a diagnosis**
- **This is a missed opportunity**
- **Earlier diagnosis seems to be cheaper to governments and health care systems**
- **This report is the first ever that brought together data for Alzheimer's disease and other dementias**

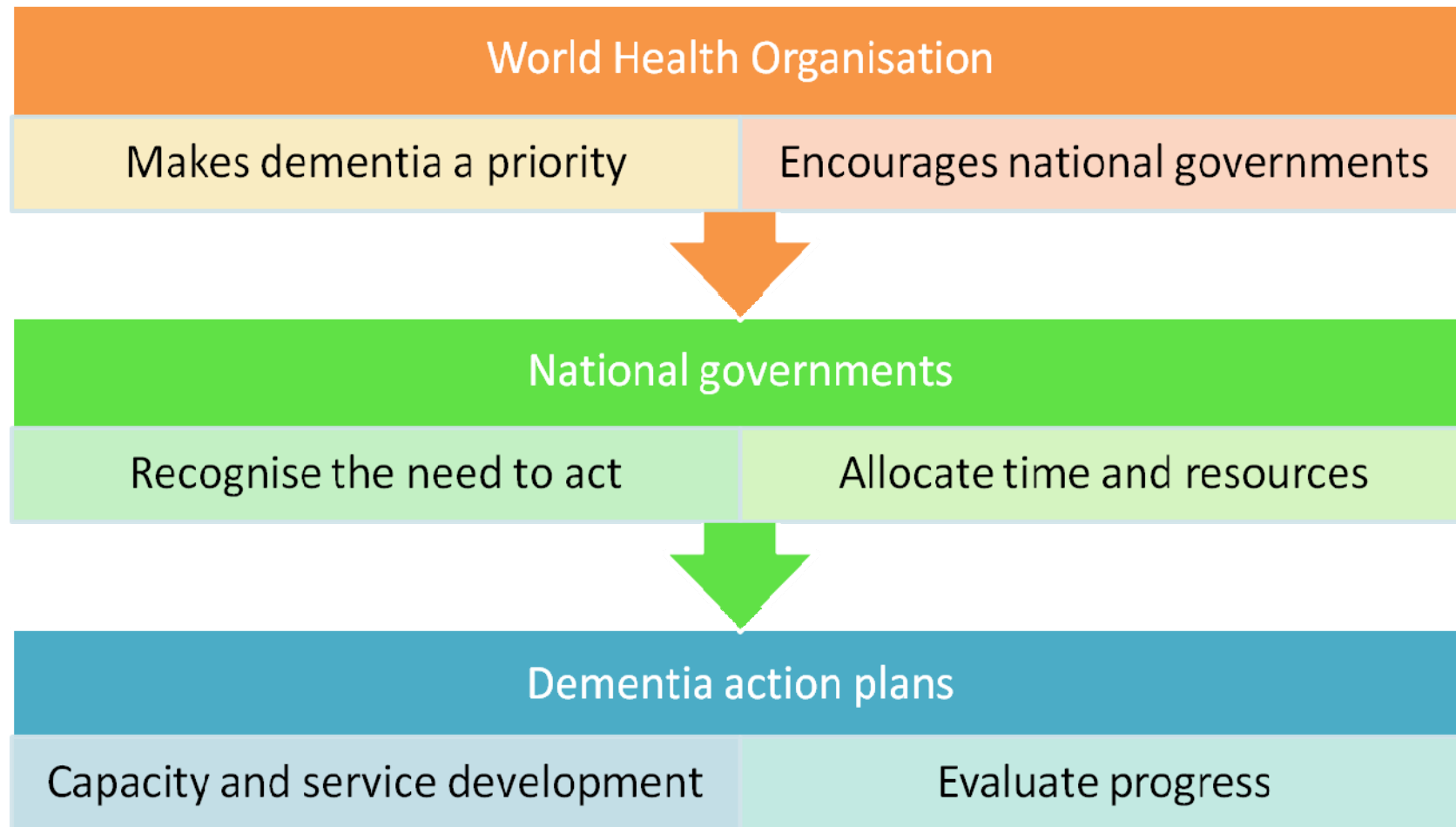
Policy implications



- **Need to educate both the general public and health care professionals**
- **Every country should have a national plan to fight Alzheimer's/dementia**
- **There are some good examples: France, Korea, England**
- **NCD Summit: recognised the importance of Mental Health and Alzheimer's disease**
- **Follow up targets: need to be more than risk reduction – also disease management, including better and earlier diagnosis**



Our belief



Wish list for industry...

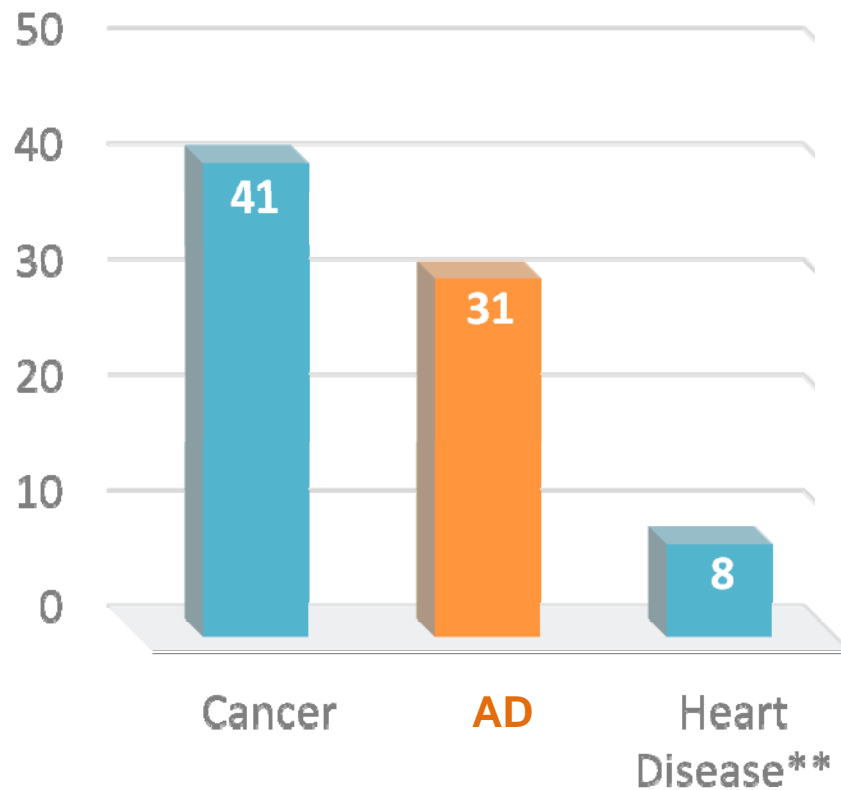


- **Be aware that there is little ‘pure’ Alzheimer’s disease, more mixed forms**
- **Look at other dementias as well: LBD, PD, FTD**
- **Approval process takes too long – regulators need to be more flexible**
- **If we find new treatments, look at global price structure to give LAMIC access as well**
- **Drug treatment is only effective as part of an overall improved disease management**

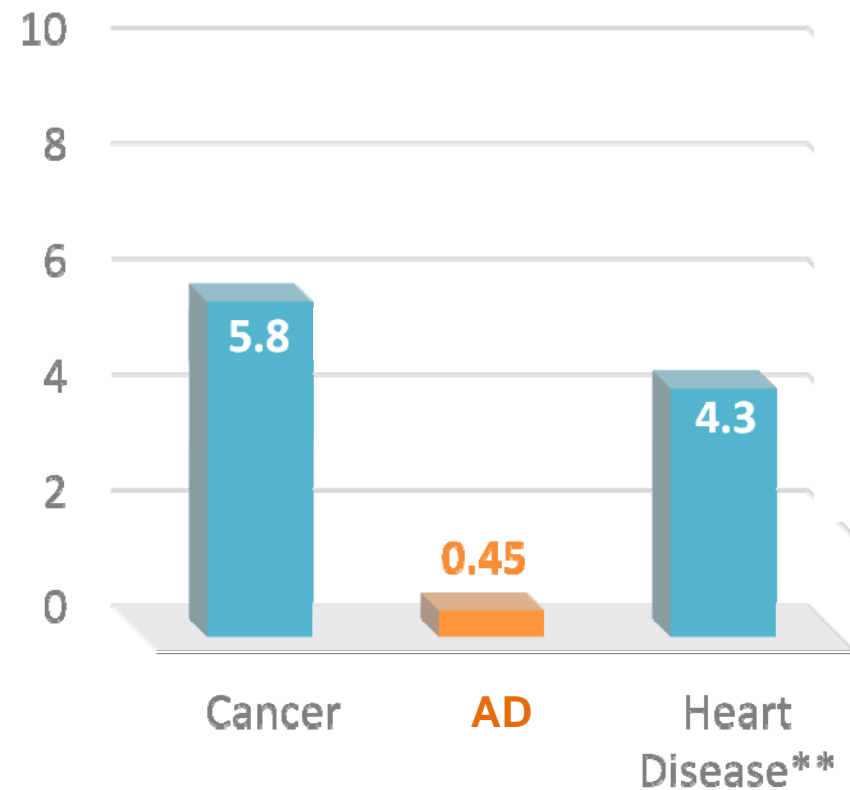
While AD Is the Second-Most Feared Health Condition in the US, it Remains Poorly Funded



% People Who Fear it Most



Annual Public Research Funding (\$billions)*



*Includes grants, contracts, and other funding mechanisms used across the National Institutes of Health.

**Includes heart disease (\$1.38), coronary heart disease (\$457M), cardiovascular disease (\$2.14B), and stroke (\$337M).

Sources: MetLife Foundation; National Institutes of Health



27th International Conference
of Alzheimer's Disease International
7-10 March 2012 London, United Kingdom

www.adi2011.org