

Hong Kong and Global Responses to Dementia

Cost of Dementia in Hong Kong

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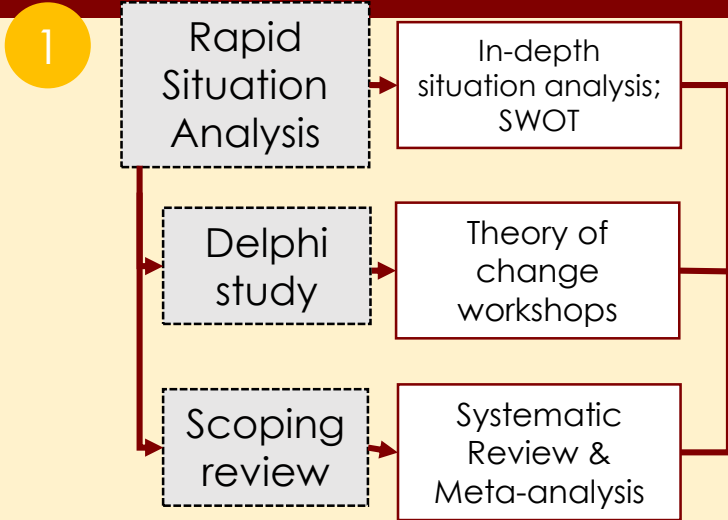
香港認知障礙症協會
Hong Kong Alzheimer's Disease Association



TIP-CARD Project Design Overview

Qualitative & Desk Research

- Framework conceptualisation
- Policy & data gap identification



- Re-assess situation
- Consolidate policy recommendations

Primary Data Collection & Data Linkage

- Generate new data
- Calculate the costs of dementia

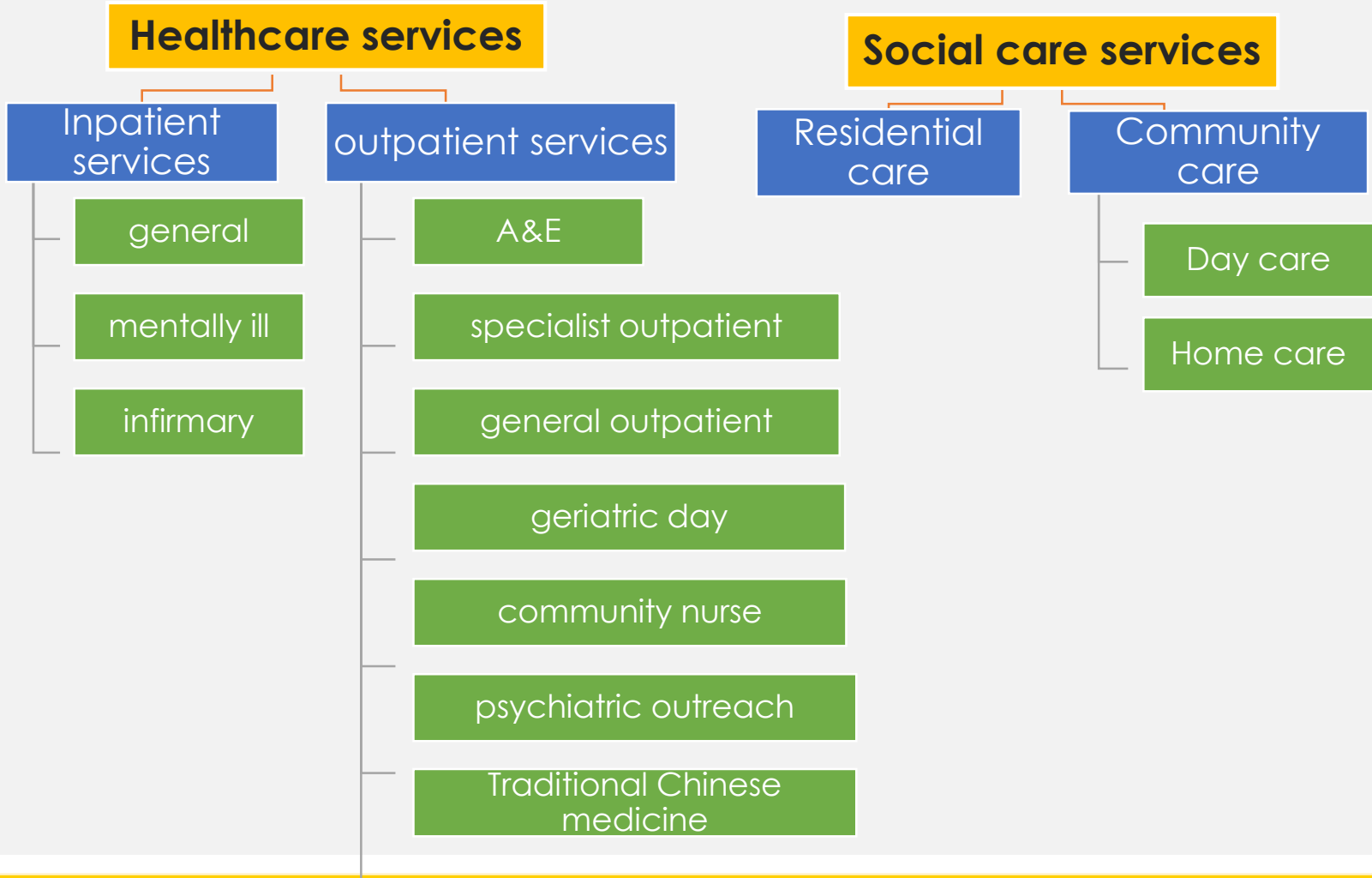


Aim of TIP-CARD cost of dementia study

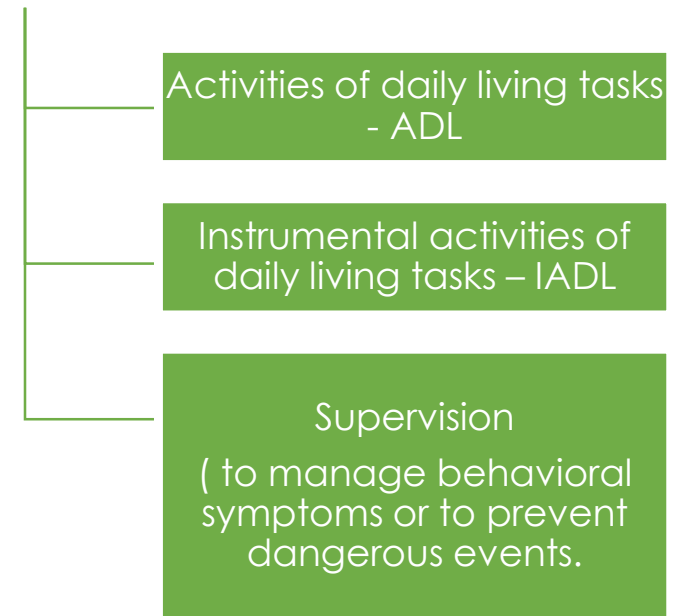
- To estimate the impact of dementia on society in monetary terms

Formal and informal care in Hong Kong

Formal care



Informal care (Care provided by families, relatives, neighbours and friends)

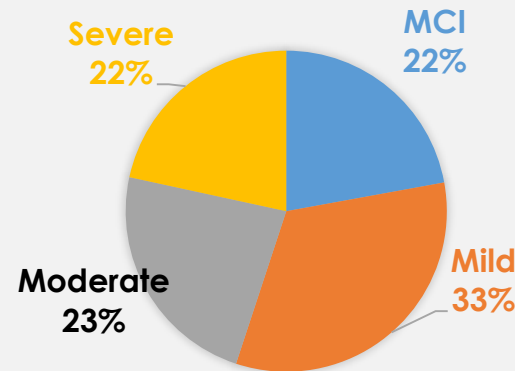


TIP-CARD Survey: Cost of dementia in the community

Data

- **750** dyads of people living with dementia (incl. MCI) and their informants living in the community
- March 2021 – March 2022
- Purpose sampling: **40%** social care recipients(SCR)

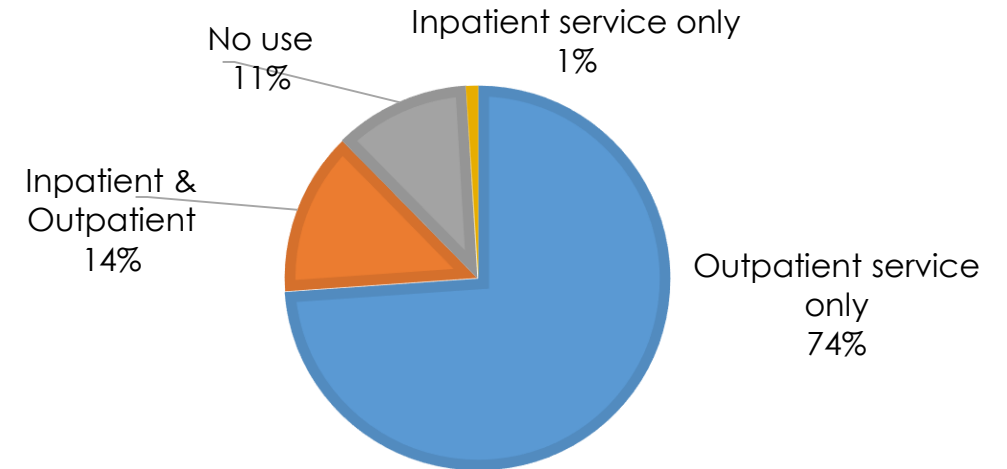
DEMENTIA SEVERITY



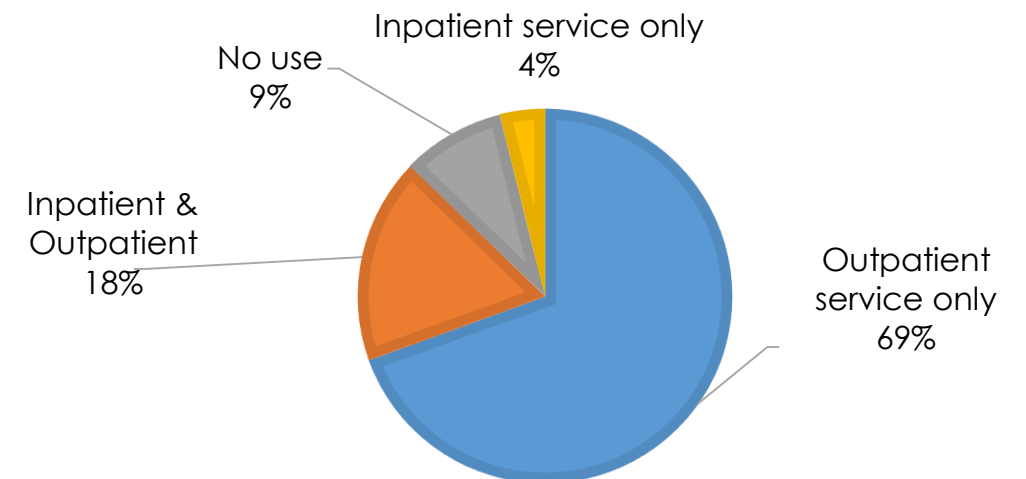
People living with dementia	Mean/N	SD/%
Age, year	81.3	9.2
Gender (female)	494	65.9%
Education year	6.1	4.8
Receiving a formal diagnosis for dementia or MCI (Yes)	457	60.9%
Number of comorbidity	2.1	1.6

Health service use in past 3 months

SOCIAL CARE RECIPIENTS (N=288)



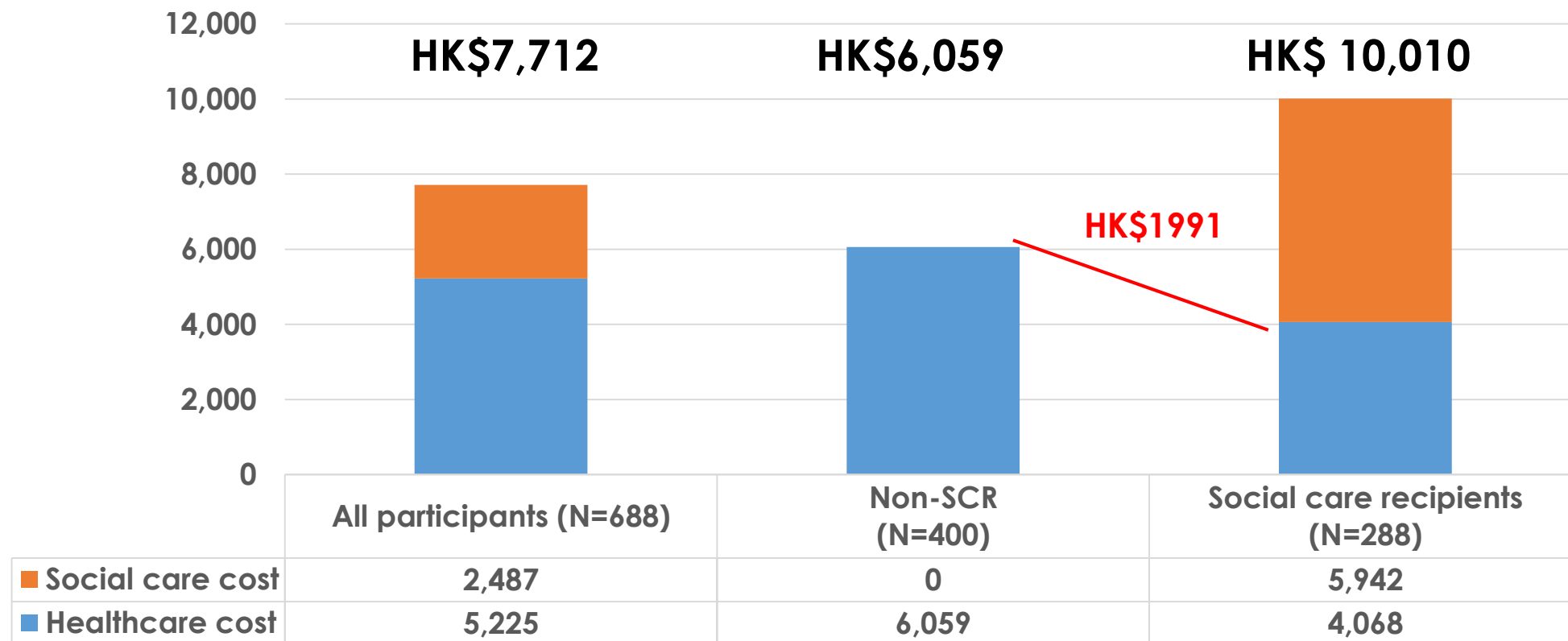
NON-SCR (N=400)



Monthly cost of health and social care for dementia in the community

Healthcare cost: Government expenditure+ self-paid medication + indirect costs

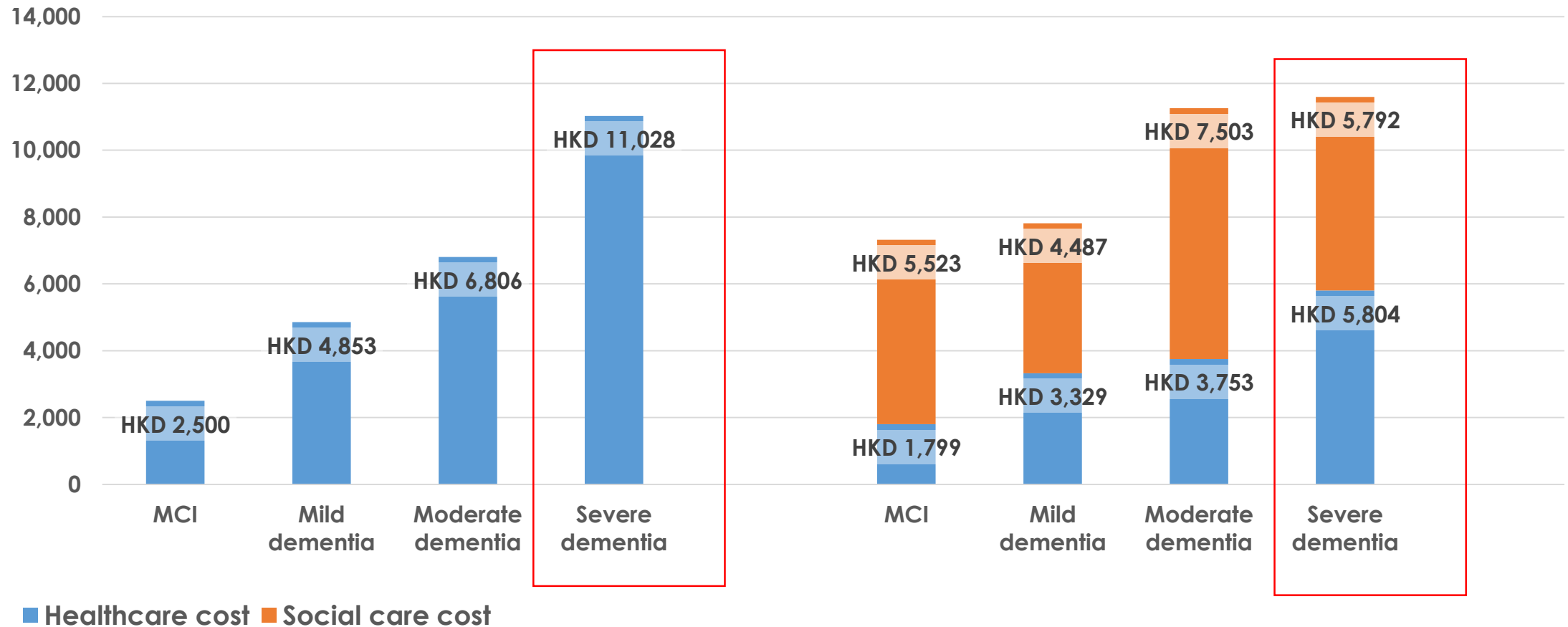
Social care cost: Government expenditure+ out-of-pocket payment + indirect costs



Monthly cost of health and social care for dementia by dementia severity

Non-SCR (N=400)

Social care recipients (N=288)



Service use of informal care for dementia in Hong Kong

- **62.6%** participants have **at least two** informal caregiver;
- **41%** participants have **more than one** main informal caregiver
- **31.1 %** participants have a **foreign domestic helper**

Daily Hours of multiple informal caregivers by care tasks



- Monthly care time of multiple informal caregivers: **400 hours**
- **40%** informal care time is attributed to **supervision**.

Cost of informal care for dementia in Hong Kong

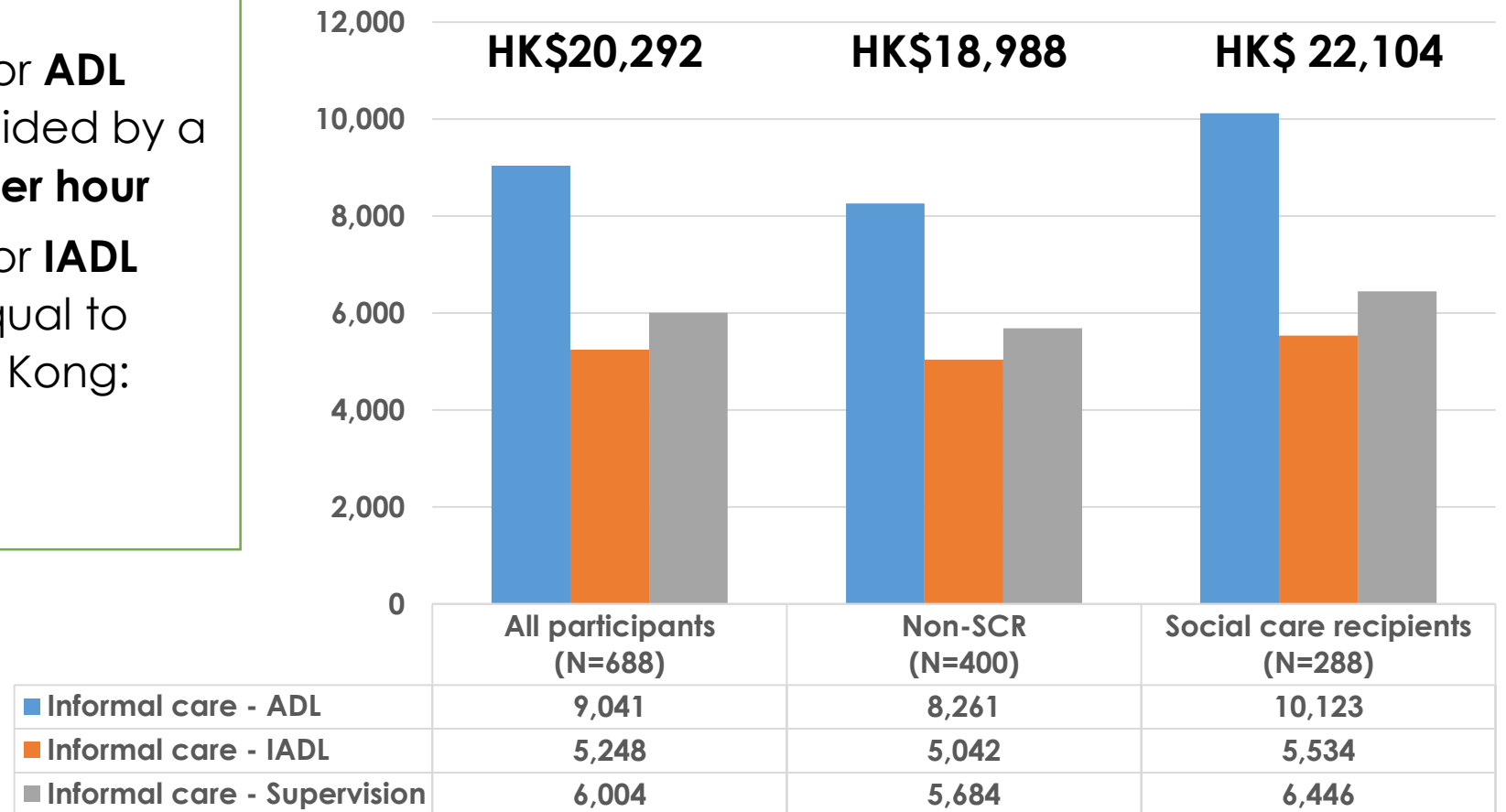
How to value informal care?

A conservative estimation...

Suppose

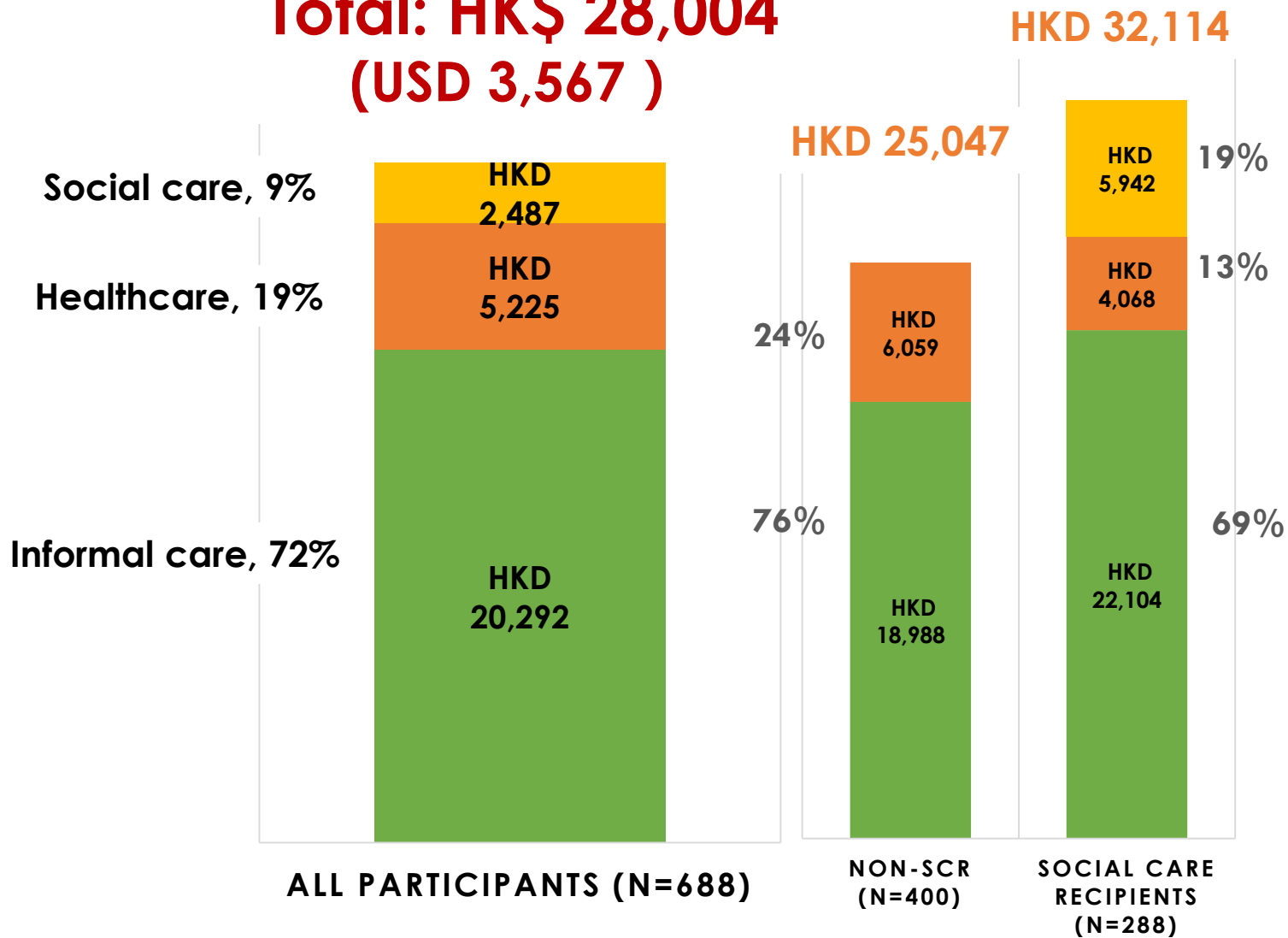
- Value of informal care for **ADL** tasks equal to care provided by a care worker: **HK\$90.55 per hour**
- Value of informal care for **IADL** tasks and **supervision** equal to minimum wage in Hong Kong: **HK\$ 37.5 per hour**

Monthly care costs of multiple informal caregivers (HK\$)



Average monthly cost of dementia in the community

**Total: HK\$ 28,004
(USD 3,567)**



- Even higher than medium wage in 2021 in Hong Kong (Male: HK\$ 21,000; Female: HK\$ 18,000)
- Informal care is the major cost element for community-dwelling people with dementia

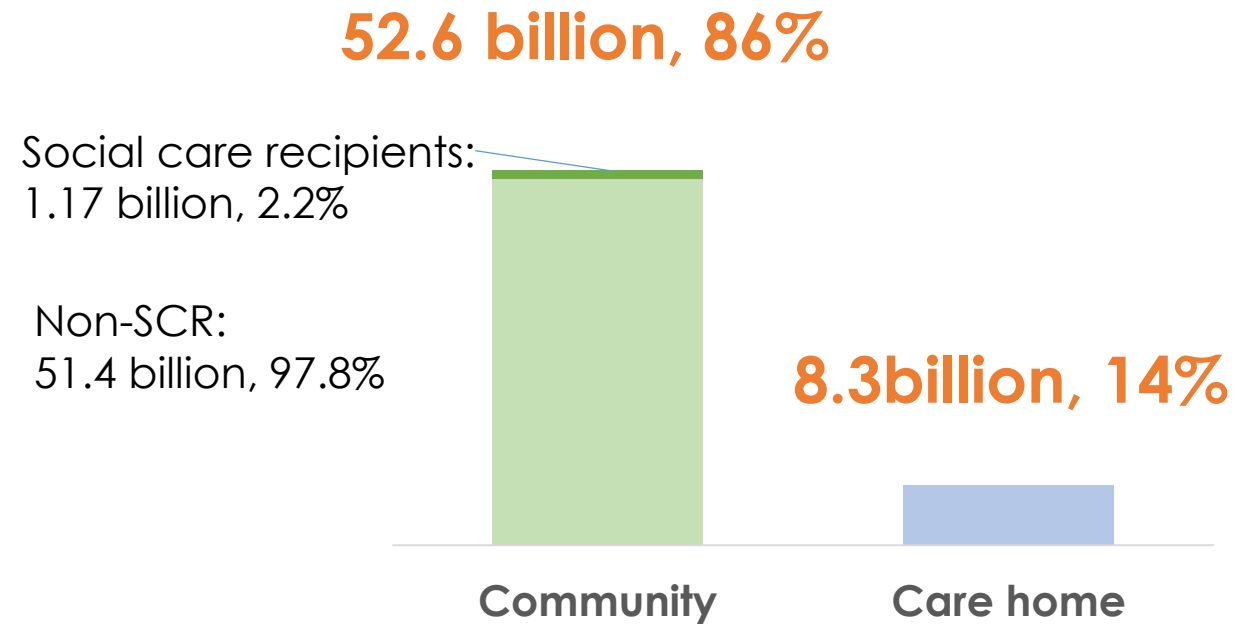
In 2021, **178,129** persons with dementia in Hong Kong (Hong Kong Mental Morbidity Survey For Older People, 2021)

Using a macro-level model...

The costs of dementia in Hong Kong in 2021

60.9 billion

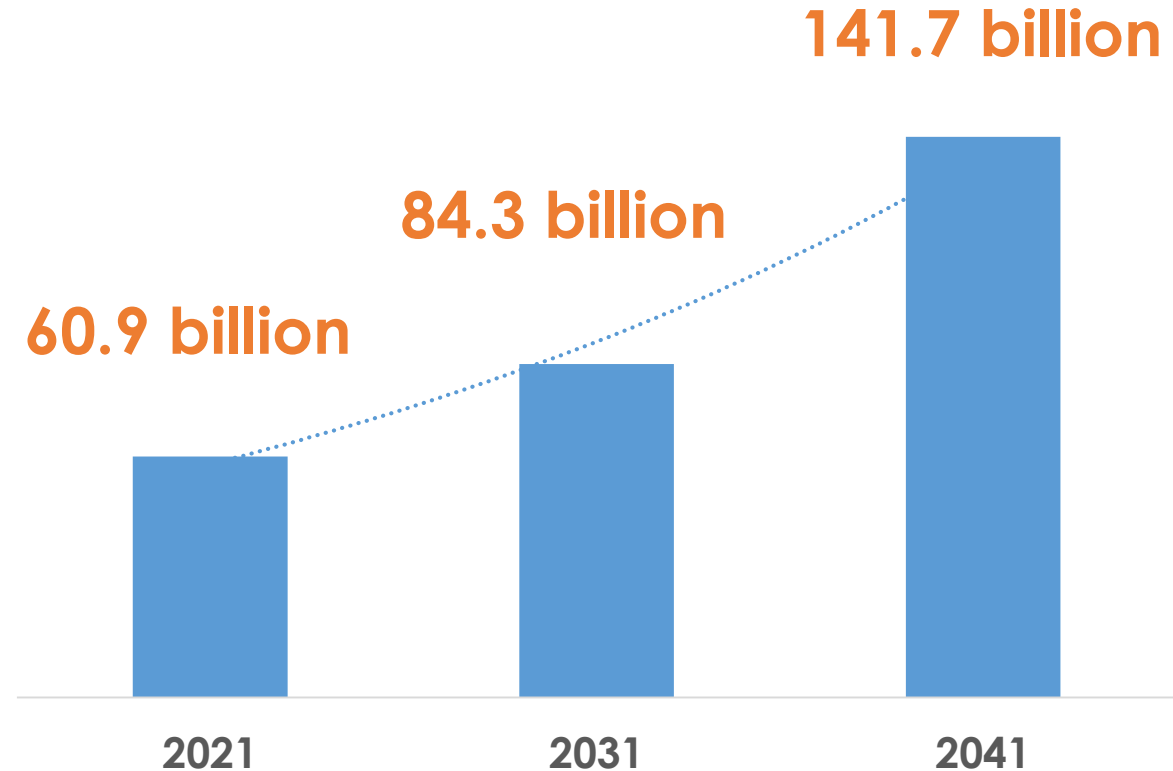
The costs of dementia in Hong Kong in 2021 by care settings and service use



A simple projection on future costs of dementia in Hong Kong

- If current prevalence can be maintained but no additional resources will be allocated for dementia, what will happen?
- Based on Hong Kong Population Projections 2020-2041, ...

The costs of dementia in Hong Kong in 2021, 2031 and 2041



Conclusions

- Dementia has huge economic impacts on people living with the conditions, their family, and society as a whole in Hong Kong. As the population ages, the total costs of dementia will rise rapidly.
- Cost of dementia is largely borne by persons living with dementia and their families.
- Better support for people with dementia and their caregivers, as well as sufficient health and social care services, are essential to address the current and future challenges of dementia.

Thank You

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 @tip_card

