



ComSA: Cross-disciplinary research team

Dr Zoe Hildon, Sociology, interdisciplinary approaches
Prof Hubertus Vrijhoef, Health services research
Prof Gerald Koh, Community geriatrics, family medicine
Dr Chuen Seng Tan, Bio-statistician
Dr Yeon Ju Oh, Communications studies
Dr Treena Wu, Health economist

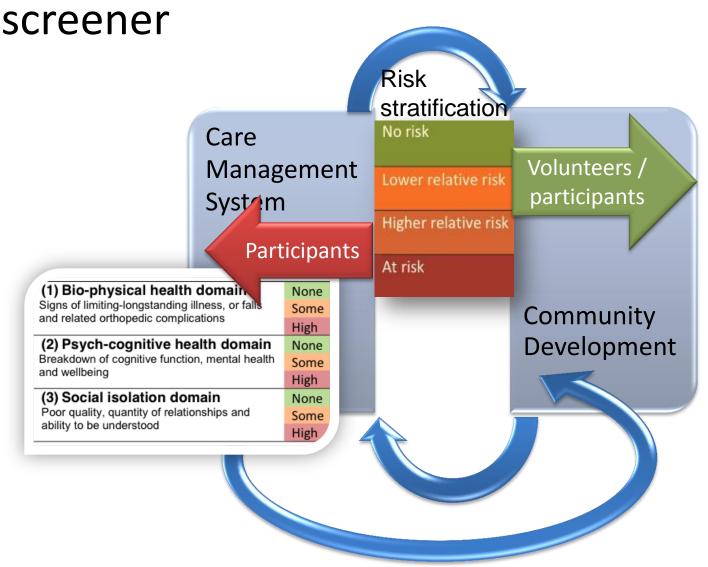
Farah Shiraz, Gerontology, social psychology Sarah Heberlig, Community public health Su Aw, Psychology and mixed methods analyst Xiaodong Deng, Quantitative analyst Shweta Singh, Qualitative analyst Linking programs through research: a mixed methods approach to intervention design and evaluation



Redressing vulnerability in the community, by the community, where possible and safe

Programming using the risk

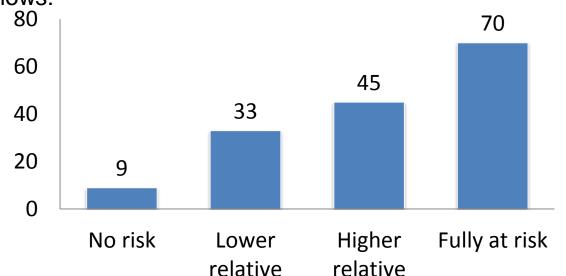




Some <u>preliminary</u> number crunching



- Based on, Whampoa survey population total of n=1375, (unrepresentative sample)
 - The number of those reporting needing Acute Care (hospital admissions) in 6 months preceding the survey was n=157, their help-seeking patterns according to the risk screener were as follows:

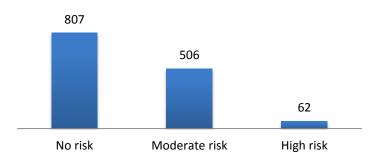


Trend < 0.001

Risk by domains in the Whampoa survey population (n=1375)



Psych-cognitive Risk

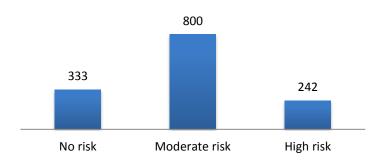


570 660 145

Moderate risk

No risk

Bio-physical Risk



Those 'fully at risk', or those with **high risk** in all domains, tentatively, reflected 18% of the full sample (preliminary analyses).

These individuals really are such because of the *interaction* between bio-physical psych-cognitive and social factors.

Although it is clear that the biological domain is driving risk – as we would expect!

High risk

Measuring cause & effect:



re-conceptualizing the hierarchy

of evidence

Integrated Synthesis

Parallel synthesis

Randomized controlled trials

Quasi-experimental quantitative

Descriptive quantitative

Formative and complimentary qualitative

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Care management feasibility study



Risk Screener: Psychometric validation

Accuracy

- Connecting lived experiences to risk scores
- Measuring dose response; predictive power

Reliability

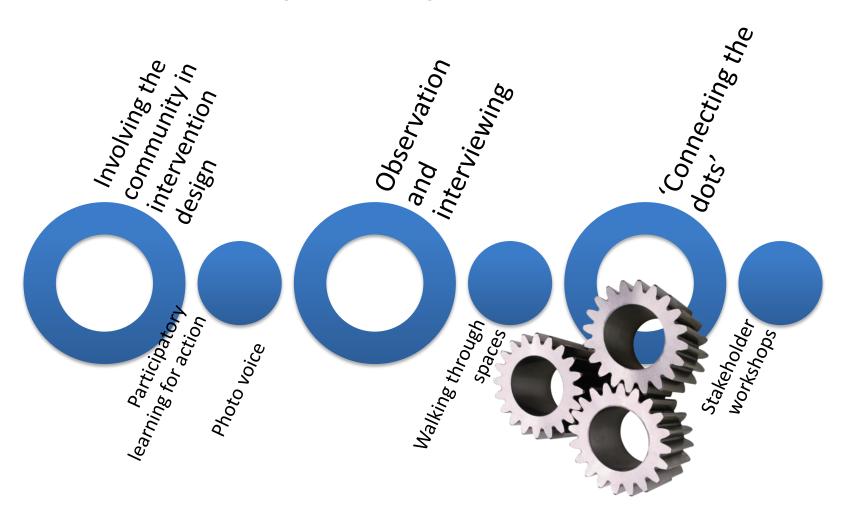
- Inter-method reliability, consistency between clinical judgment and risk score
- Internal consistency of item loadings

Using the system



Ethnographic community study





Process evaluation approach



