

A whiz around the wide world of mental health

National Employment Services Asso. Conference 2018

Adjunct Professor John Mendoza, Director ConNetica www.connetica.com.au jmendoza@connetica.com.au



Main message for today ...



.. Otherwise you may have Post-truth Adjustment Disorder (PTAD)



ConNetica Strategic Partnerships



















Associations









Eight big things in mental health 2018 ...

4 Realities

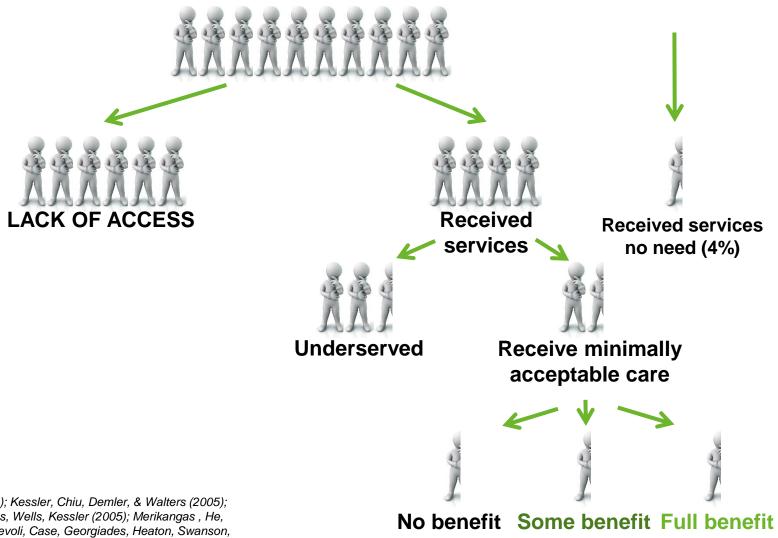
4 Revolutions

&

So what ...



REALITY 1: We have failed to *Bend the Curve*?

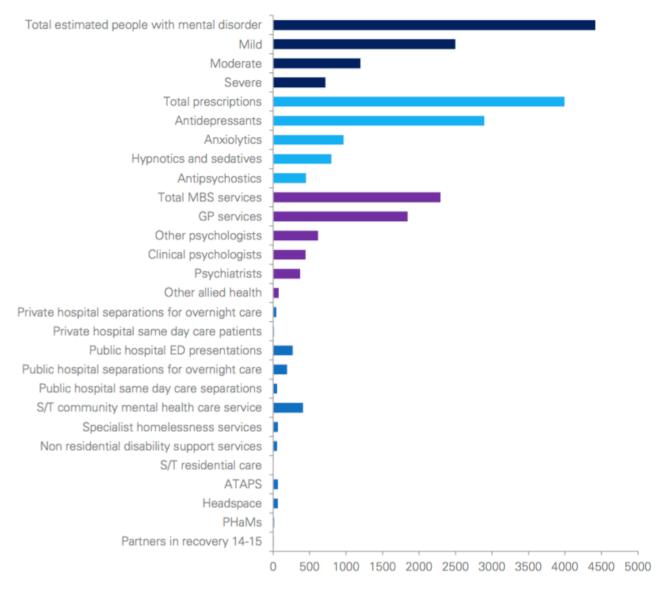


SOURCES: NSDUH (2013); Kessler, Chiu, Demler, & Walters (2005); Wang, Lane, Olfson, Pincus, Wells, Kessler (2005); Merikangas, He, Burstein, Swendsen, Avenevoli, Case, Georgiades, Heaton, Swanson, Olfson (2011), SSA Publication 13-11827 (2014)



Access remains poor, particularly for those with moderate severity

Number of people accessing mental health services, 2015-16 (,000s)



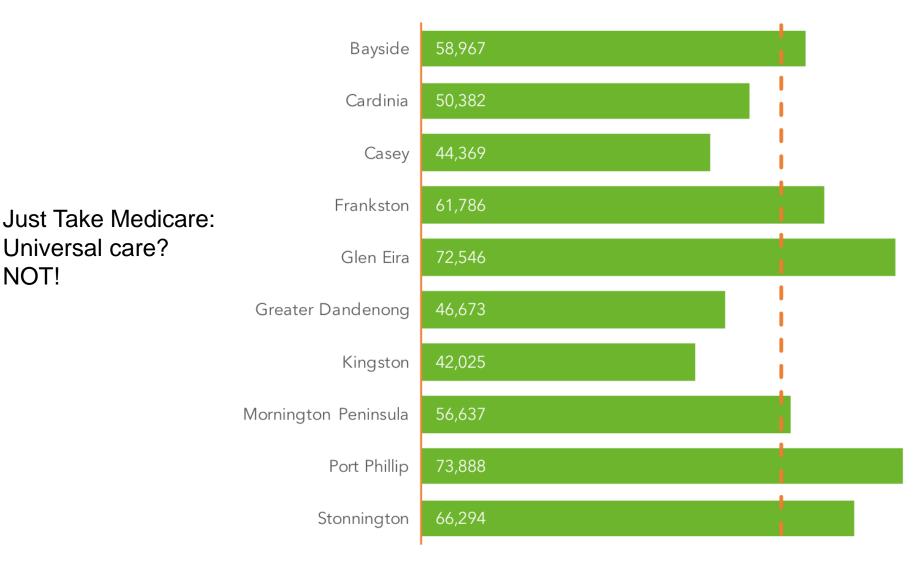
Source: Investing to Save, MHA & KPMG 2018



Universal care?

NOT!

Rising Inequity: Wealth, Income, Access to any service, infrastructure, Medicare etc



MBS MENTAL HEALTH SERVICE CLAIMS PER 100,000 POPULATION IN SEMPHN (2014-15)



Inequity: Exacerbated by Relative Disadvantage

LGA	Single parent families* (%)	Homelessness (per 1,000) †	Needing Assistance (%)	Early School Leavers* (ASR per 100)	Unemployment [‡] (%)	Income <\$400/wk [†] (%)	IRSD Score (Decile) [†]
Bayside	12.4 [⊕]	2.2 [⊕]	4.2 [‡]	15.8 [₽]	3.2 [‡]	32.7 [‡]	1091 (10) ^û
Cardinia	19.2∜	1.7₺	4.0₺	37.9ౕ	7.0 [↑]	37.6 [₽]	1024 (9) ^û
Casey	18.5∜	3.4₺	4.2 [‡]	34.3ౕ	8.0 ¹	39.7₺	1006 (8) [‡]
Frankston	26.6 [♀]	3.6₺	4.8 [‡]	34.0ౕ	6.0 [♀]	38.6 [‡]	997 (7) $^{\circlearrowleft}$
Glen Eira	12.7 [‡]	2.7 [₺]	4.5 [‡]	17.5₺	4.1 [‡]	34.9 [‡]	1069 (10) ^û
Greater Dandenong	22.3 ¹	10.3 ¹	6.6 [↑]	34.3 ¹	12.4 ¹	50.4 ¹	895 (2) [‡]
Kingston	15.9 [⇩]	2.4₺	4.9 [⇩]	26.5 [₽]	5.8 [‡]	37.8 [↓]	1038 (9) ^û
Mornington Peninsula	22.7 ¹	1.8 [⇩]	5.1ౕ	29.9 ^û	4.3 [‡]	39.5∜	1023 (8) ¹
Port Phillip	18.6₺	15.3 [♀]	3.3₺	14.0 [‡]	4.2 [‡]	24.1 [‡]	1066 (10) ^û
Stonnington	12.7₺	5.1 ¹	3.5 [₺]	12.4 [‡]	3.0₺	28.4 [‡]	1084 (10) ^û
SEMPHN	18.6	4.6	4.6	26.8	5.7	37.3	1022
Victoria	19.6	4.0	5.0	29.4	5.9	39.9	1010
Australia	21.3	4.9	4.6	34.3	5.9	38.9	1000

Socioeconomic Factors in SEMPHN



REALITY 2: Quality of care patient centred ...NOT!

- . Outcome blind
- . Boilerplate approach
- . Poor assessment
- . Poor care coordination
- . Not evidence based care
- . Low self care
- . Low literacy in community



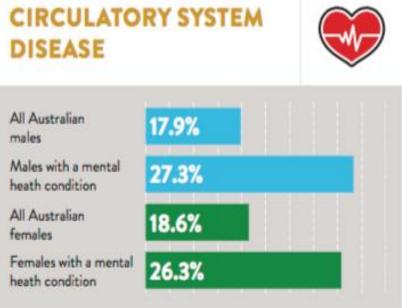
'When we want your opinion, we'll give it to you."



Australian Mental & Physical Health Tracker Report Card AHPC, 7/8/18

https://www.vu.edu.au/ sites/default/files/austr alias-mental-andphysical-healthtracker-report-card.pdf

CIRCULATORY SYSTEM DISEASE All Australian 17.9% males Males with a mental 27.3% heath condition All Australian 18.6% females Females with a mental 26.3%

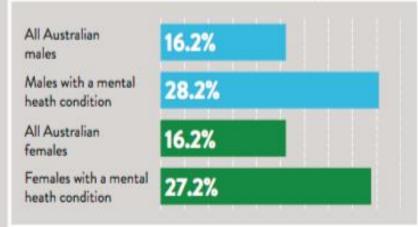


DIABETES All Australian 5.7% Males with a mental 9.9% heath condition All Australian 4.6% females Females with a mental 6.7% heath condition

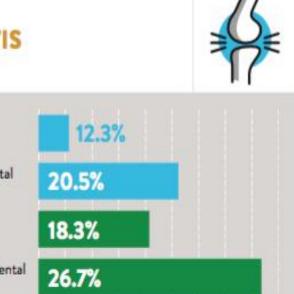
males

BACK PROBLEMS







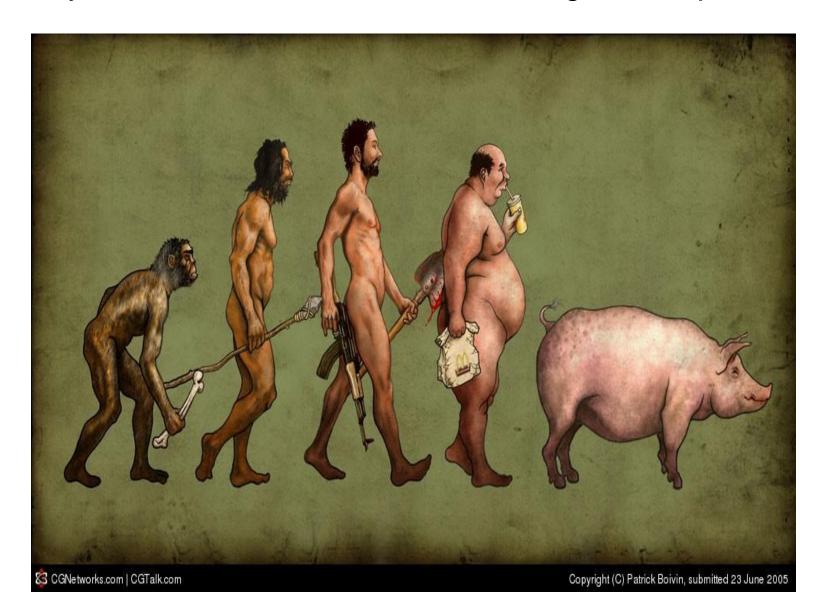




POOR QUALITY OF CARE:

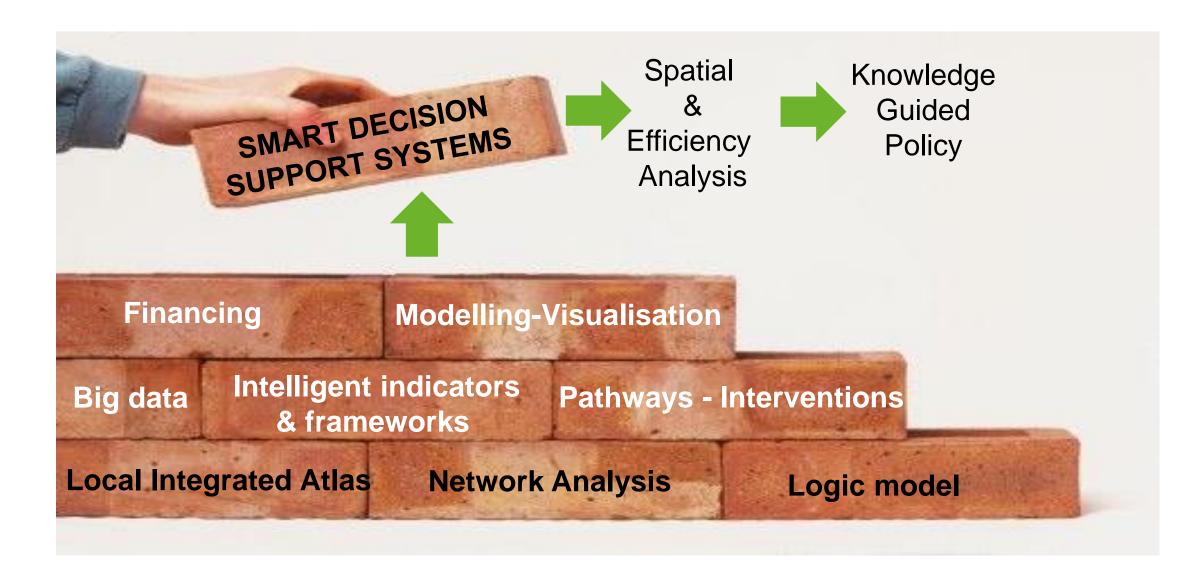
Mental & Physical wealth of our nation .. Not in great shape

Our evolutionary trajectory





REALITY 3: WE DO NOT APPLY **SYSTEM THINKING** IN HEALTH PLANNING

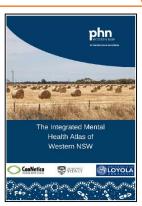


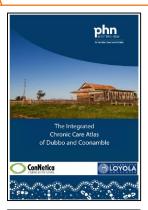


THE DEVELOPMENT OF INTEGRATED HEALTH ATLASES

URBAN

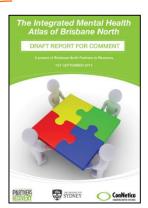
RURAL

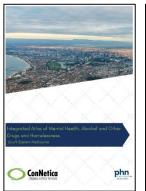






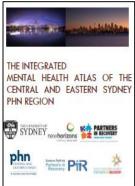








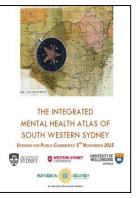


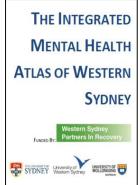






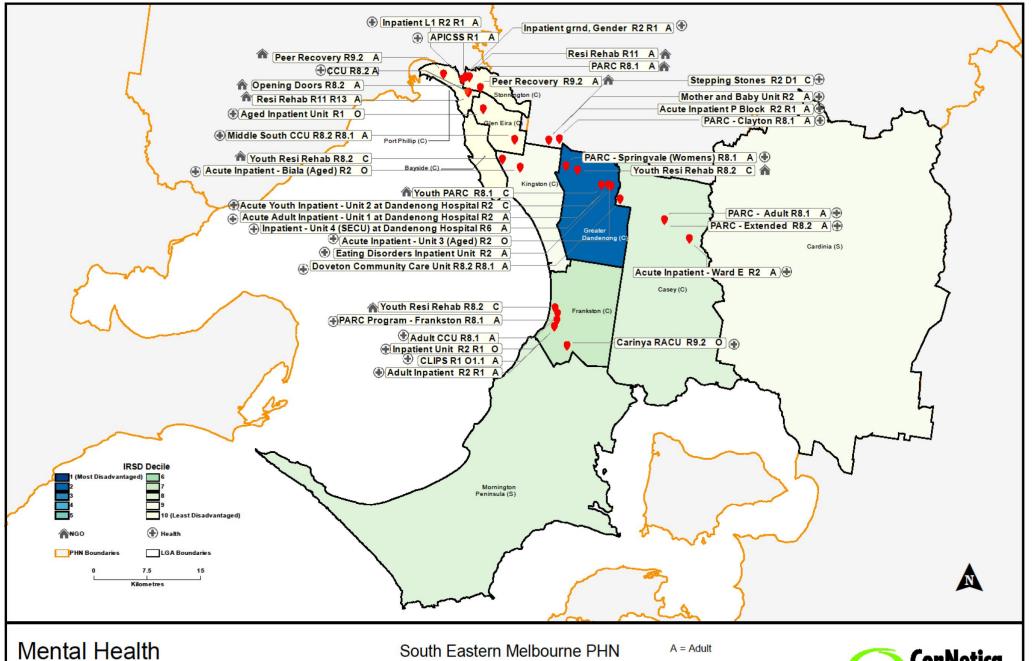








Under development



Residential Services

Sourced from: PHIDU 2016, LGA 2014, PHA 2016, Service Location Data 2016 - ConNetica

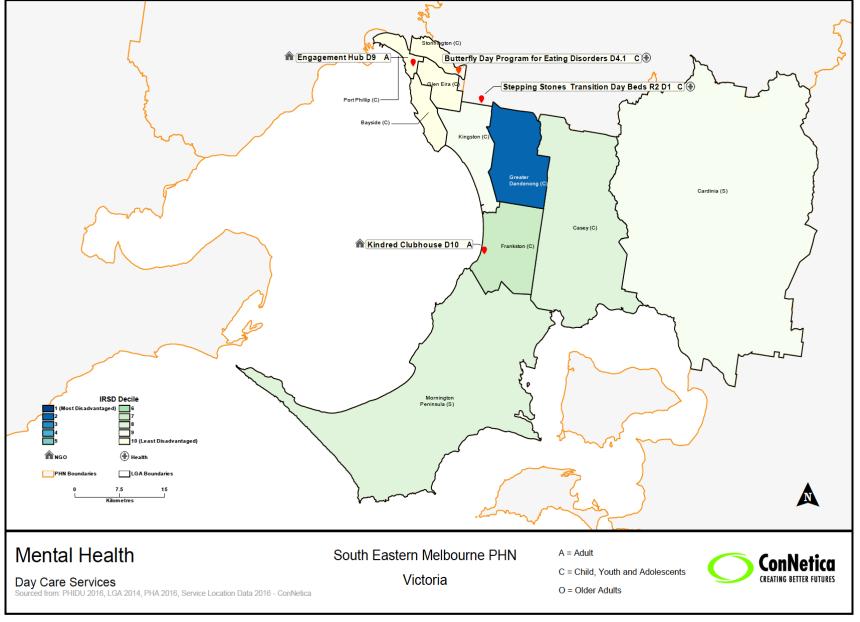
South Eastern Melbourne PHN
Victoria

C = Child, Youth and Adolescents

O = Older Adults

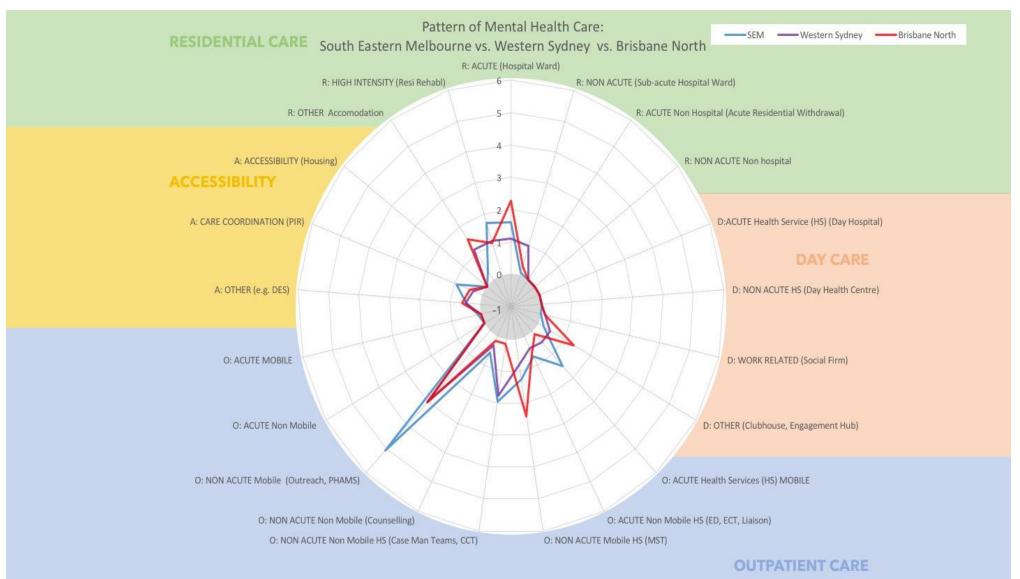






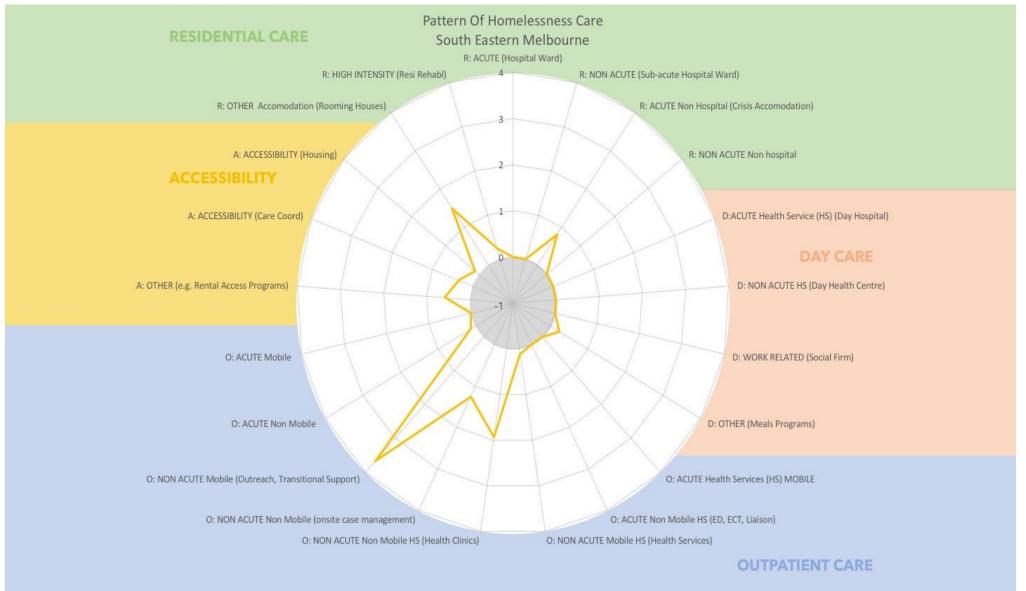


ConNetica Patterns of Care for Mental Health - National Comparisons



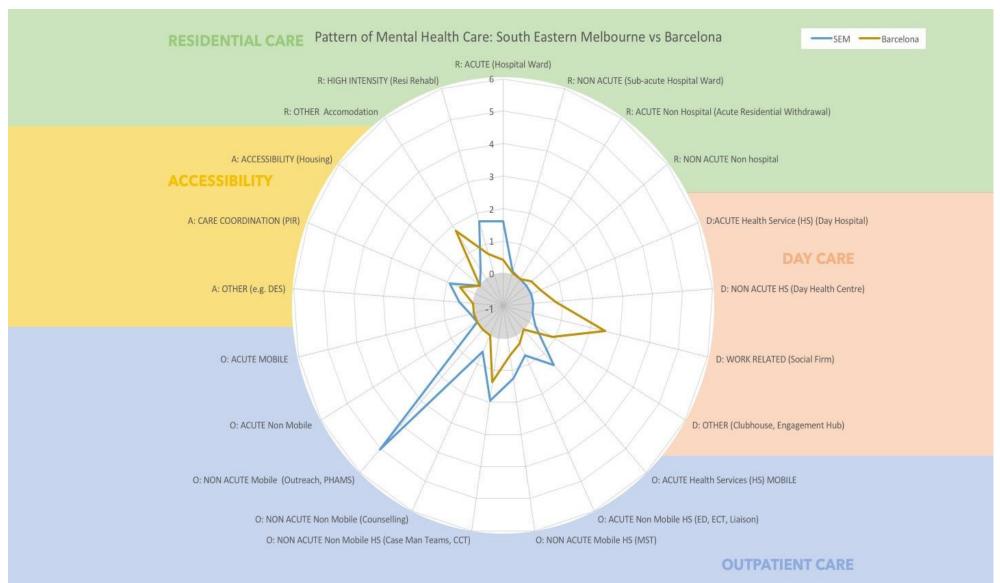


ConNetica Pattern of Adult Homelessness Services in SEMPHN



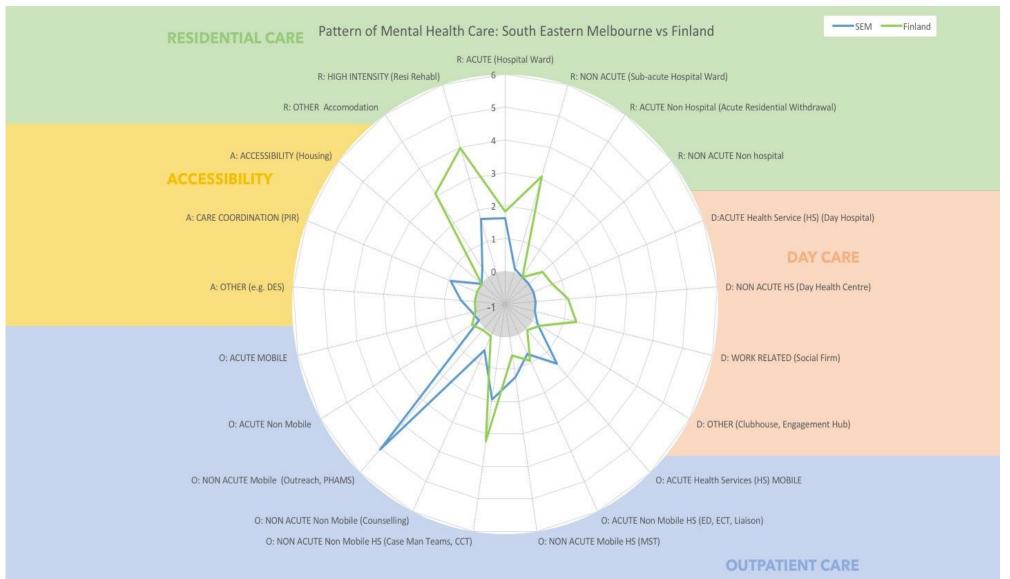


PATTERNS OF MENTAL HEALTH CARE IN SEMPHN AND BARCELONA





PATTERNS OF MENTAL HEALTH CARE IN SEMPHN AND FINLAND





REALITY 3: AN IMBALANCED SYSTEM OF CARE IN AUSTRALIA

Mental Health:

- High reliance on
 - High intensity residential care
 - Acute inpatient care
 - Crisis health related outpatient care (mobile)
 - Non acute outpatient care (mostly mobile, low intensity in nature)
 - Significant investment in accessibility assessing and then trying to find services
- Very low provision of
 - Day care services of any type
 - Other options for Inpatient care out of Hospitals
 - Significant mal-distribution of resources

Homelessness services:

- Almost entirely mobile non acute + some case management & assessment
- A paucity of accommodation crisis (116/23) & rooming houses (182/6)
- No day programs

Alcohol & other Drugs

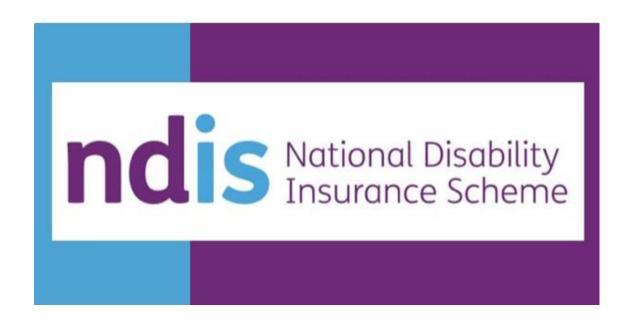
- Less services for AOD per 100,000 than Mental Health
- Very few residential options
- Single digit AOD services for young people
- Small AOD teams

Other Observations:

- Inaccessible service utilisation data
- Outcome Blind Very poor outcomes data
- Poorly defined pathways to/from acute care
- Almost no regional or sub-region planning
- Short term funding of many community programs.
 Consequence poor integration & variable quality
- Significant inequities in relation to MBS subsided services



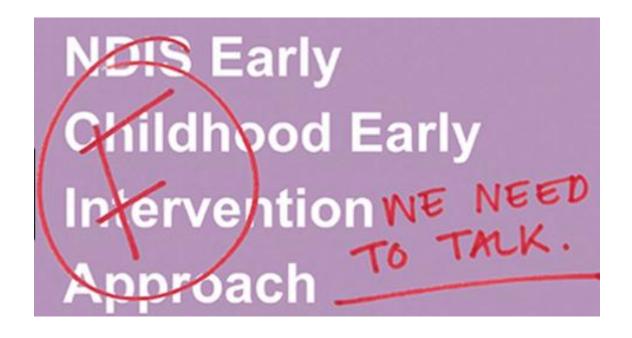
REALITY 4 – NDIS & Policy Shambles



"The National Disability Insurance Scheme (NDIS) will support a better life for hundreds of thousands of Australians with a significant and permanent disability and their families and carers. The NDIS will mean peace of mind for every Australian - for anyone who has, or might acquire, a disability."



Reality of NDIS ... more than teething problems



"National disability insurance scheme 'faceless' and rigid, inquiry told"

"Damning report finds NDIS complaints ignored for months"

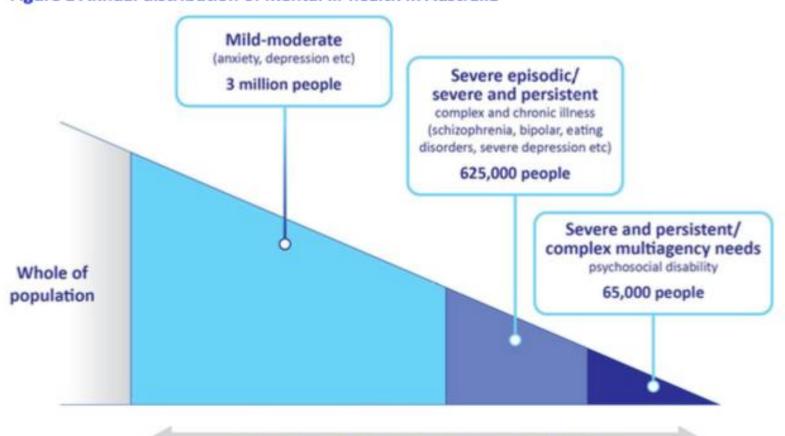


'It's soul destroying': NDIS teething problems make many feel they're not worth the help



NDIS & Severe Mental Illness – sorry how many places?

Figure 1 Annual distribution of mental ill-health in Australia



https://www.youtube.com/watch ?v=bT8CRi9k4bo

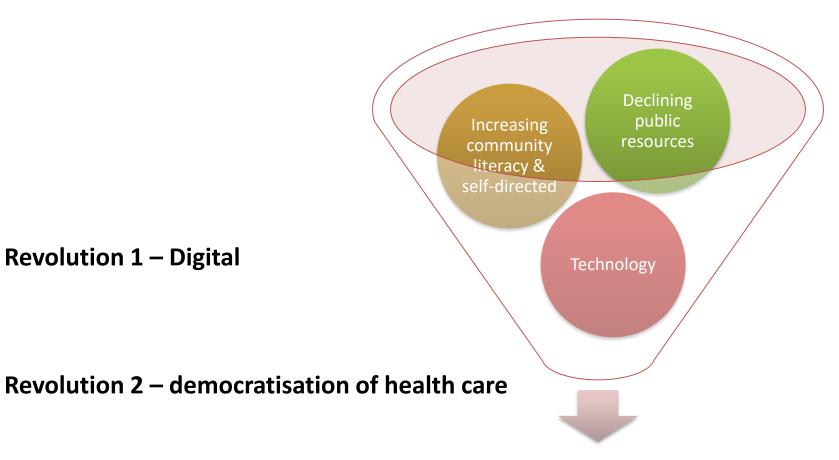
Spectrum of mental ill-health in Australia





Revolution 1 – Digital

eMentalHealth – the UBER effect



The UBER Effect



The role of technology in an integrated MH system

- Enable universal access to services, regardless of location, vulnerability or socio-economic status.
- Reduce stigma & create a stepped approach to help-seeking.
- Reduce burden on the face-to-face system by using technologies to promote self-management & prevention where possible.
- Create increased effectiveness of face-to-face services by augmenting traditional mental health support with technologies that promote shared management.



The Goals of Project Synergy



'Project
Synergy'
changes
everything!





Outcomes & Benefits of Synergy Ecosystem

Benefits for people

- Personalised & wellbeing focused resources that put them in the driver's seat to set goals, monitor & improve their wellbeing using technologies that are already part of their everyday life
- Improved navigation of MH services & pathways to care (if needed)
- Improved health & wellbeing
- Improved social connectedness & resilience.

Outcomes for the Mental Health sectors

- Integrated e-MH solution that unites youth MH services into a provider community
- Service providers organised around integrated practice units that are care-centric
- Professionals who work with people trained to use technologies
- Integrated data sharing
- Right service with tailored support at the right time







newNRG

newNRG

is a digital behavioral health provider and triaging platform focused on chronic disease prevention that has revolutionized mental/emotional and physical self-care and personalized triage within a single integrated mobile platform.







For a modest monthly subscription we identify, treat and manage patients at risk of mental health and chronic disease problems in the workplace and at home. We partner with high risk employers, managed care providers, device/tracking companies, EAP's, sporting clubs and fitness centers and insurers who benefit from improved treatment compliance and outcomes, reduced care costs and readmissions, differentiation and revenue growth.





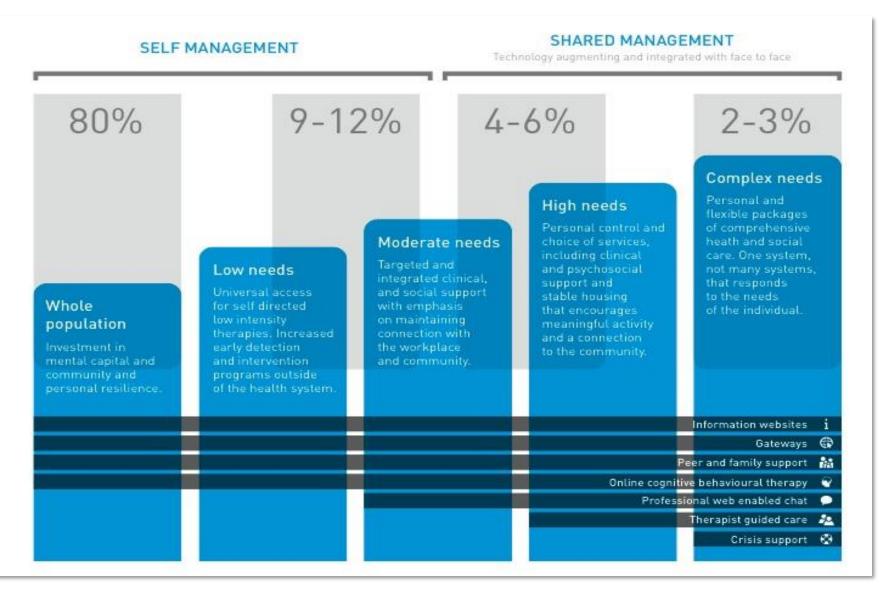






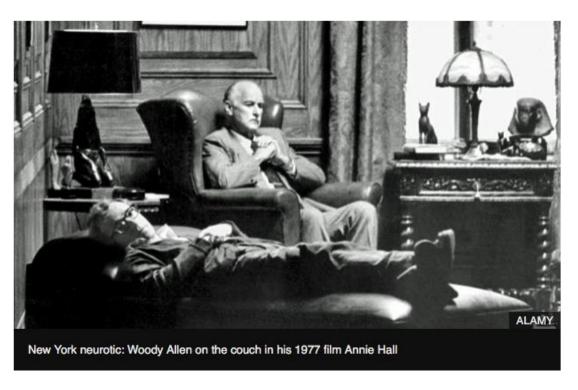


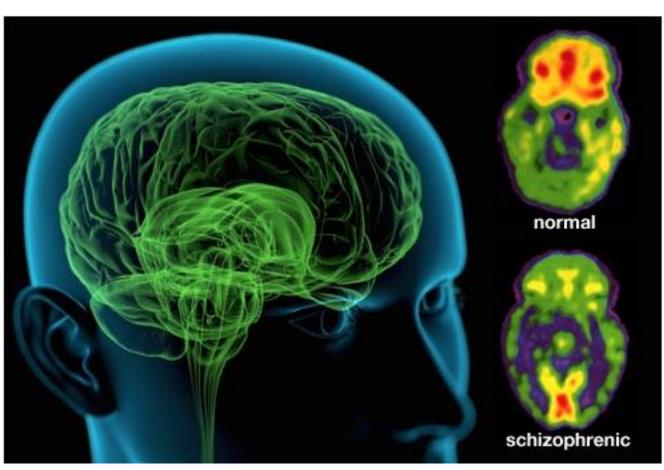
Policy imperative - <u>right care</u> at the <u>right time</u> in the <u>right way</u>



Revolution 3: Neuroscience

No more of this rubbish:







Science based early intervention: Neurobiological Correlates of Staging

Lagopoulos et al. BMC Psychiatry 2012, 12:4 http://www.biomedcentral.com/1471-244X/12/4



Citation: Transl Psychiatry (2012) 2, e123, doi:10.1038/tp.2012.47 © 2012 Macmillan Publishers Limited All rights reserved 2158-3188/12

www.nature.com/tp

Stage1B

RESEARCH ARTICLE

pen Access

Circadian profiles in young people during the early stages of affective disorder

Frontal lobe changes occur early in the course of **stages of affective disorder** affective disorders in young people

SL Naismith¹, DF Hermens¹, TKC Ip¹, S Bolitho¹, E Scott¹, NL Rogers^{2,3} and IB Hickie¹

Stage 2/3

Citation: Transl Psychiatr

© 2013 Macmillan Publishers Limited All rights reserved 2158-3188/13

www.nature.com/tp

Microstructural white matter changes are with the stage of psychiatric illness

J Lagopoulos¹, DF Hermens¹, SN Hatton¹, RA Battisti^{1,2}, J Tobias-Webb¹, D White¹, SL Naisr MR Bennett¹ and IB Hickie¹

Hermens et al. BMC Psychology 2013, 1:8 http://www.biomedcentral.com/2050-7283/1/8 BMC Psychology

RESEARCH ARTICLE

Open Access

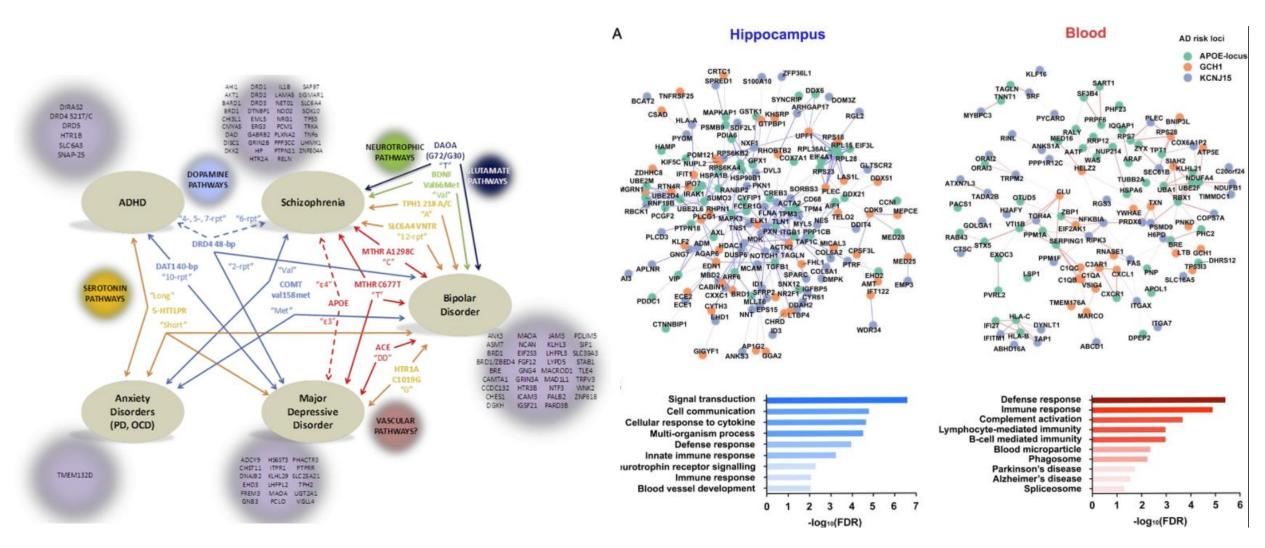
Neuropsychological profile according to the clinical stage of young persons presenting for mental health care

ATR UF
R
IFOF

Daniel F Hermens*, Sharon L Naismith, Jim Lagopoulos, Rico S C Lee, Adam J Guastella, Elizabeth M Scott and Ian B Hickie



Revolution # 4: Human Genomics

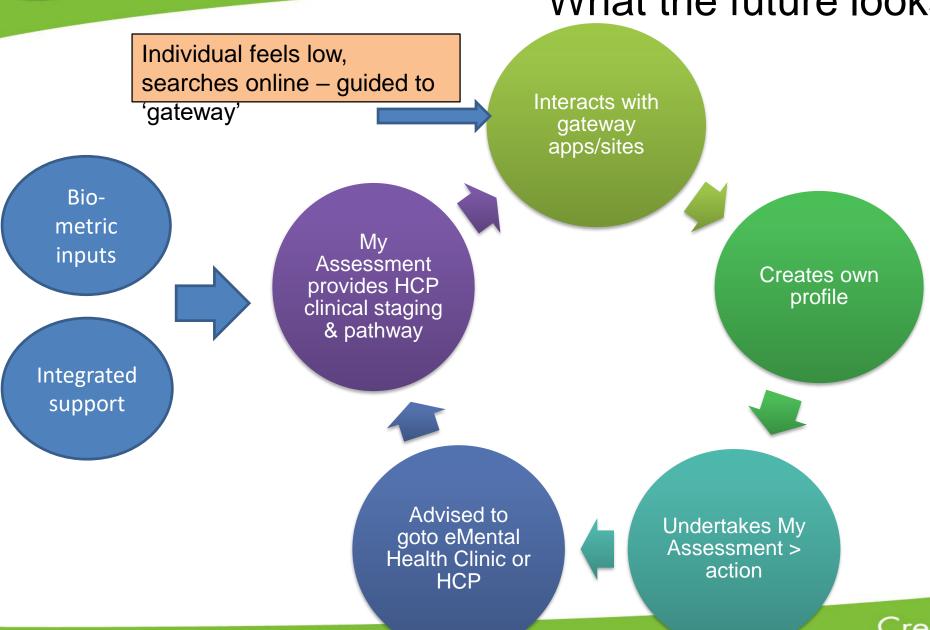


Learning the genetic associations

Learning about epigenetic changes, gut-brain-blood markers



What the future looks like?



Creating better futures

What does the future look like?

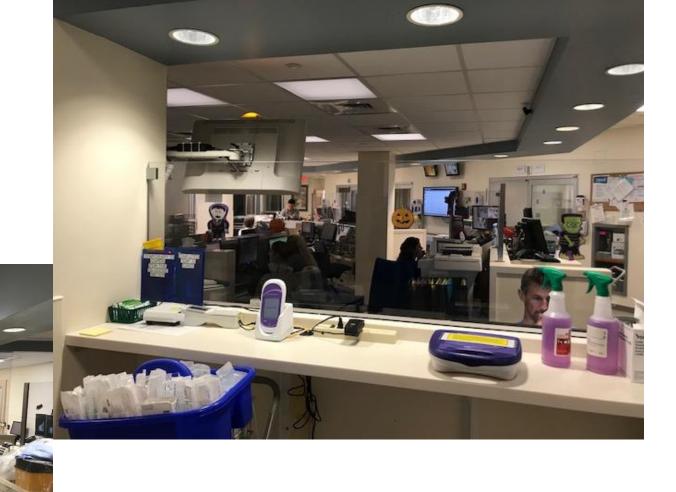
- Individual feels low, not sleeping well searches on line
 guided to a 'gateway'
- Starts interacting with gateway apps/sites > insight > empowerment > some improvement
- Creates own profile
- Undertakes MyAssessment > advised to take specific actions
- Condition worsens > advised to interact with eMental Health Clinic or through to professional
- MyAssessment provides professional with clinical staging & pathway
- Continued use of selected apps/sites to self-care

GETTING TO A 2-MINUTE ED WAIT CAN HAPPEN!



Cambridge Health Alliance:

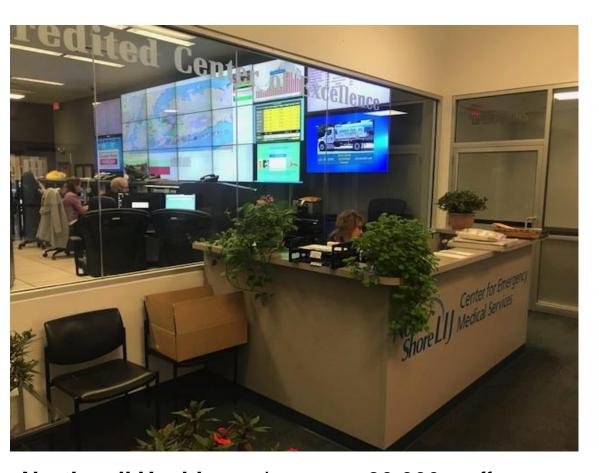
- Concierge on arrival. Waiting room empty.
- 24 of 27 ED rooms all fully fitted
- All e-record linked
- Central control to all wards
- Data and systems driven hospital flow



This was Halloween between 4.30-8pm!

NORTHWELL HEALTH - HEALTH ECOSYSTEMS IN ACTION





Northwell Health employs over 80,000 staff
Serves population of over 5,000,000
Services across Manhattan, Brooklyn, Long Island,
North Shore, New York
140 Paramedic vehicles, 12 EDs, 44 WICs, 22 hospitals,
130 specialty centres, 600 PCPs, 26 path labs

- Central command centre real time data
- Big data driven with epidemiology, service utilisation, financial flow analysis, local expert input
- Network analysis, modelling and predeployment of resources
- Strategies to address drivers of '911' calls and hospital presentations
 - Integrated triage
 - Integrated Emergency Medical Services
 - Tele-everything mental health, Pediatrics, even ED

https://www.northwell.edu



And just remember ...

Big Pharma is everywhere offering solutions to normal human conditions!

> 'If the light stays on for more than 4 hours, call your electrician.'



Thanks

ConNetica

W: www.connetica.com.au

T: 07 5491 5456

E: info@connetica.com.au

F: 07 5491 5458



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