Pharmacists' Roles in Suicide Care: Influencing Policy through Education and Practice

Presented by: Dr Claire O'Reilly, Dr Sarira El-Den and Professor Alan Rosen



Session Outline

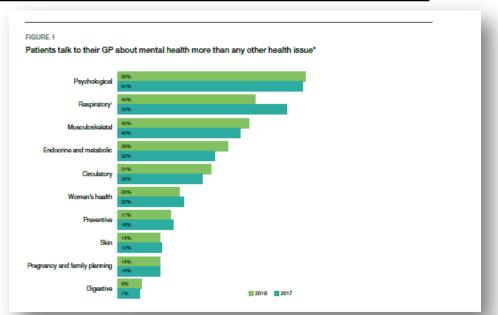
- Speaker 1 Dr Claire O'Reilly
 - Pharmacists' roles in caring for people at risk of suicide
- Speaker 2 Dr Sarira El-Den
 - Mental health education and training for pharmacists
- Speaker 3 Prof Alan Rosen
 - Pharmacists' stigma and attitudes towards suicide

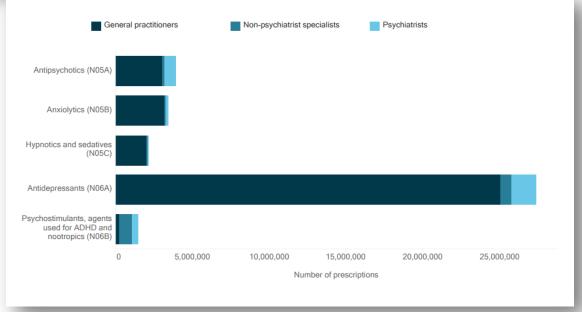
Background – Pharmacists and Mental Health

Dr Claire O'Reilly

Primary health care professionals and mental health

- Most common reason for seeing GP¹
- 45% of patients who died by suicide contacted a health care professional in the month prior²
- Australian pharmacists are involved in dispensing 39 million mental health-related prescriptions, annually³
- Australians visit a pharmacy 14 times per year on average⁴
- Evidence that people visit their pharmacy 1.5-10 times more than their primary care physician⁵





Why pharmacists & mental health?

- Accessible & trusted primary health care professionals
- Medicines often a mainstay of treatment
- Frequently consulted for advice on psychotropics
- Consumers want information about their medicines
- Multiple physical co-morbidities with mental illness
- Adherence to medicines a major challenge in mental health





<u>Pharmacists and Mental Health – reports and guidelines</u>

Pharmaceutical Society of Australia



Australia





UK

Recognition of the pharmacist role

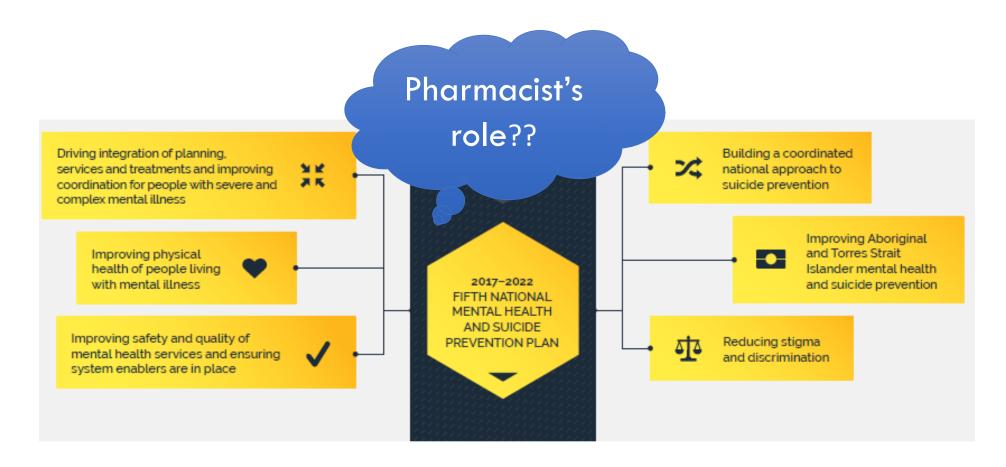
'Introduce incentives to include pharmacists as key members of the mental health care team.'

National Mental Health Commission Report 2015

'Pharmacists need to be a part of an integrated approach, working with GPs who are providing continuous follow-up care, and with other members of the multi-disciplinary team.'

'Mental health provides considerable scope for pharmacists to exercise their skills in the medication management cycle. It enables a move away from simply dispensing pharmaceuticals to a long-term sustainable role for pharmacists as key multidisciplinary team members.'

Suicide Prevention in Australia



Suicide Prevention in Australia

The Fifth National Mental Health and Suicide Prevention Plan

- 1. Surveillance—increase the quality and timeliness of data on suicide and suicide attempts.
- 2. Means restriction—reduce the availability, accessibility and attractiveness of the means to suicide.
- Media—promote implementation of media guidelines to support responsible reporting of suicide in print, broadcasting and social media.
- Access to services—promote increased access to comprehensive services for those vulnerable to suicidal behaviours and remove barriers to care.
- Training and education—maintain comprehensive training programs for identified gatekeepers.
- Treatment—improve the quality of clinical care and evidence-based clinical interventions, especially for individuals who present to hospital following a suicide attempt.
- Crisis intervention—ensure that communities have the capacity to respond to crises with appropriate interventions.
- 8. Postvention—improve response to and caring for those affected by suicide and suicide attempts.
- Awareness—establish public information campaigns to support the understanding that suicides are preventable.
- Stigma reduction—promote the use of mental health services.
- Oversight and coordination—utilise institutes or agencies to promote and coordinate research, training and service delivery in response to suicidal behaviours.

<u>Australian Productivity Commission Review of Mental</u> Health Services

'There is an opportunity to better use the skills of pharmacists to improve the use of medicines for mental ill health by integrating pharmacists into multidisciplinary mental healthcare teams, in supporting early detection and intervention, being first responders in mental health crises and supporting people to live well with their mental illness through better and safer use of psychotropic medicines.'

Develop and implement **regular review of medicines** for people with mental ill health to reduce the time to respond to medication-related problems and to reduce debilitating side effects from medicines which can be preventable.

Incorporate **pharmacogenomic testing in primary care** supported by the medicines expertise of pharmacists for people with mental ill health to personalise medicine therapies to improve the safe and quality use of medicines.

Integrate **pharmacists in suicide prevention strategies**, including supporting pharmacists in their triage role of providing support to people they encounter in mental health crisis situations.

Support pharmacists, who are often one of the only front-line healthcare providers in rural and remote regions to incorporate **early identification, triage and support** for people with mental ill health.

Ensure pharmacists, as frontline health professionals in contact with people with mental ill health, have the required expertise such as **mental health first aid**, to support early identification, triage and support for people with mental ill health.

Pharmacists' Experiences Caring for People at risk of Suicide

Dr Claire O'Reilly

Pharmacists' roles in suicide care

- Medicines are common means to suicide^{1,2} \rightarrow role for pharmacists
- BUT, pharmacist's role in suicide prevention limited
 - Pharmacists accessible & trusted health professionals, and medications common in suicide attempts & self-harm
- Little is known about pharmacists.

How common do pharmacists come into contact with people at risk of suicide?

Australian & Canadian joint study - 2016

• Aim: to explore Australian and Canadian pharmacists' experiences, attitudes and stigma towards people at risk of suicide

Specific objectives:

- Explore how often pharmacists care for people at risk of suicide
- Describe the experiences of pharmacists involved in the care of people at risk of suicide
- Explore the impact of pharmacists' experiences when caring for people at risk of suicide
- Compare Canadian and Australian pharmacists attitudes, stigma, and experiences regarding people at risk of suicide
- Explore pharmacists attitudes and stigma towards providing care to people at risk of suicide (Prof Alan Rosen)

<u>Suicide survey - methods</u>

- Population: Australian & Canadian Community Pharmacists
- Ethics: University of Sydney and Dalhousie University HREC's
- Survey:
 - Demographics
 - Attitudes Towards Suicide Scale¹
 - Stigma of Suicide Scale²
 - Questions regarding pharmacists' experiences with patients at risk of suicide, or who had died by suicide.

Key results – survey data

- 396 Australian and Canadian pharmacists
 - 161 Australian pharmacists
 - 68% Female
 - 78% urban
 - 92% currently practicing

- 85% of pharmacists had interacted with someone at risk of suicide at least once
 - 16% >6 times
- 38% cared for consumer(s) with recent suicide attempt
- 28% lost consumer(s) to suicide

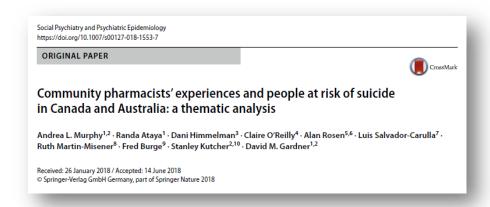
Pharmacists' experiences of people at risk of suicide

- Pharmacists' most prominent experience:
 - < 50% carried out a suicide assessment
 - 13% directly inquired about suicidal thoughts
- 60% felt uncomfortable about their involvement
- 1 in 4 were dissatisfied with how they handled the situation.
- Training & resources key barriers

Survey of Australian and Canadian Community Pharmacists' Experiences With Patients at Risk of Suicide

Andrea L. Murphy, B.Sc., Pharm., Pharm.D., Claire L. O'Reilly, B.Pharm., Ph.D., Randa Ataya, B.Sc., Steve P. Doucette, M.Sc., Frederick I. Burge, M.D., F.C.F.P., Luis Salvador-Carulla, M.D., Ph.D., Timothy F. Chen, Ph.D., Dani Himmelman, M.Sc., Stanley Kutcher, M.D., F.R.C.P.C., Ruth Martin-Misener, M.N., Ph.D., Alan Rosen, A.O., F.R.A.N.Z.C.P., David M. Gardner, M.Sc., Pharm.D.

Pharmacists' experiences with people at risk of suicide



- Community pharmacists' descriptions of their most prominent experience with a person at risk of suicide
- 4 themes: referrals & triage, accessibility for confiding, emotional toll & stigma

"I was disappointed in myself as I was afraid to ask her in detail about her plan. I was also hesitant to discuss suicidal ideation with her despite knowing/having done mental health first aid because I didn't want to worsen the situation/felt very under qualified for this discussion."

ID 335

"A life changing moment in my career and I was so grateful for my MHFA training, knowing I needed to ask lots of questions to ascertain suicide risk and to act immediately." ID 316

What is the impact of these experiences?

- More Australian than Canadian pharmacists had prior training (p<0.001)
 - Australia 52 (32%) prior training
 - Most commonly Mental Health First Aid (MHFA)
 - How well did this prepare them? n(%)
 - Somewhat 30 (57%)
 - Very well 18 (35%)
- 87% were encouraged to upskill in mental health care
- 11% negatively affected on professional and personal level
 - Significantly more negatively affected if:
 - Personal diagnosis of mental illness (p=0.017)
 - Previous suicide care experiences (p=0.001)
- 8% not affected at all

Did pharmacists seek help for themselves?

- 12% of pharmacists access professional support for themselves
 - 51.4% were unsure where to get help

"Staying focused on caring for the patients is the biggest obligation and I fear that access[ing] help for myself would put that obligation and duty in jeopardy." ID59

"Honestly didn't occur to me to do so." ID519

Implications

- Few pharmacists sought professional help
- Pharmacy-specific supports available
- Half were unsure where to seek help
- More postvention research needed
- Further research exploring timing of MHFA training and relationship with experiences in caring for a person experiencing a mental health crisis
- Further mental health education and training needed?

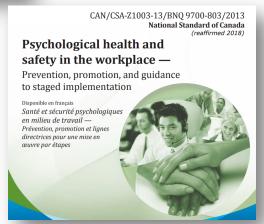


UK



Canada – state-based?





Mental Health Education for Pharmacists

Dr Sarira El-Den

Gap in Healthcare Curricula

- Health care professionals receive insufficient training during their university degrees¹
- Health care professionals' negative attitudes → detrimental outcomes, and delay or prevent help-seeking and recovery^{2,3}

Psychiatry

Ann Pharmacother 2006:40:1759-65.

Published Online, 12 Sept 2006, www.theannals.com, DOI 10.1345/aph.1H163

A Comparative Study of Consumer Participation in Mental Health **Pharmacy Education**

J Simon Bell, Rachelle Johns, Grenville Rose, and Timothy F Chen

2006

American Journal of Pharmaceutical Education 2010; 74 (9) Article 167.

INSTRUCTIONAL DESIGN AND ASSESSMENT

Consumer-led Mental Health Education for Pharmacy Students

Claire L. O'Reilly, BPharm (Hons), MPS, a J. Simon Bell, PhD, MPS, MRPharmS, b,c and Timothy F. Chen, PhD, MPS^a

> Impact of mental health first aid training on pharmacy students' knowledge, attitudes and self-reported behaviour: a controlled trial

Australian and New Zealand Journal of Psychiatry 2011; 45:549–557 DOI: 10.3109/00048674.2011.585454

Claire L. O'Reilly, J. Simon Bell, Patrick J. Kelly, Timothy F. Chen

2011

American Journal of Pharmaceutical Education 2018; 82 (2) Article 6222.

RESEARCH

Assessing Mental Health First Aid Skills Using Simulated Patients

Sarira El-Den, PhD, MIPH, BPharm (Hons I), Timothy F. Chen, PhD, DipHPharm, BPharm, Rebekah J. Moles, PhD, DipHPharm, BPharm, Claire O'Reilly, PhD, BPharm (Hons) The University of Sydney, New South Wales, Australia Submitted December 14, 2016; accepted March 8, 2017; published March 2018

2018

Assessing students' mental health crisis skills via consumers with lived experience: a qualitative evaluation

2010

Claire L. O'Reilly, Rebekah J. Moles, Evelyn Boukouvalas, Sarira El-Den 🔻 The Journal of Mental Health Training, Education and Practice

2019

Mental health

<u>pharmacy</u>

education

Article in Press

Mental Health First Aid training and assessment among university students: a systematic review

Dr Sarira El-Den, BPharm (Hons I) GradCertAppPharmPrac MIPH PhD1. Lecturer at the School of Pharmacy, Faculty of Medicine and Health, The University of Sydney A/Prof Rebekah Moles, BPharm DipHospPharm PhD GradCertEdStud (Higher Ed)1 Associate Professor at the School of Pharmacy, Faculty of Medicine and Health. The University of Sydney Ms Huai-Jin Choong

Honours Candidate at the School of Pharmacy, Faculty of Medicine and Health, The University of Sydney Dr Claire O'Reilly, BPharm (Hons)1



2020

Mental Health First Aid

 Mental Health First Aid is the help provided to a person who is developing a mental health problem, experiencing a worsening of an existing mental health problem or in a mental health crisis. The first aid is given until appropriate professional help is received or the crisis resolves.¹



- Approach, assess and assist with any crisis
- Listen and communicate non-judgmentally
- **G** ive support and information
- Encourage appropriate professional help
- Encourage other supports

- 12 hours
- Face-to-face
- Open to members of the public
- Integrated into the BPharm and MPharm degrees at USYD
- Offered in ~70% of Pharmacy Schools in Australia

MHFA evaluation studies

RESEARCH ARTICLE

Systematic review and meta-analysis of Mental Health First Aid training: Effects on knowledge, stigma, and helping behaviour

Amy J. Morgan*, Anna Ross, Nicola J. Reavley

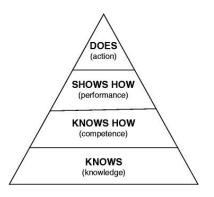
Centre for Mental Health, Melbourne School of Population and Global Health, The University of Melbourne Parkville, Victoria, Australia

* ajmorgan@unimelb.edu.au

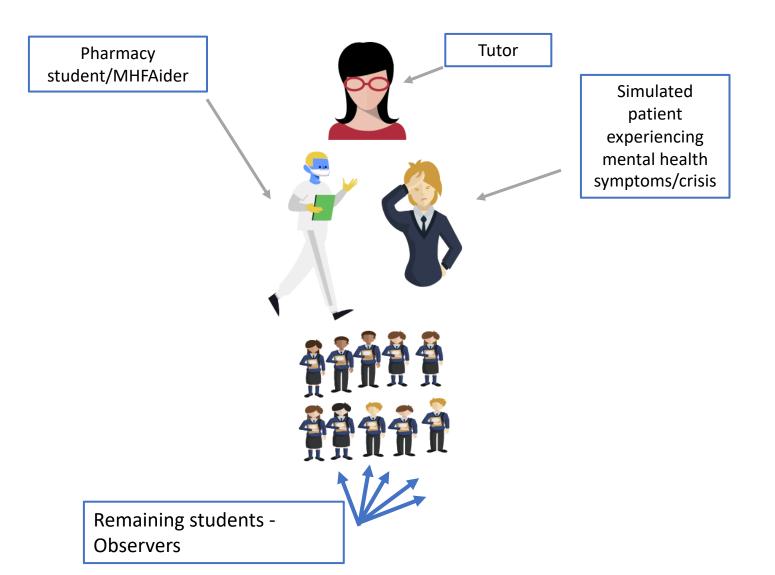
Improvements in: Knowledge recognition of mental illness beliefs about treatment Stigma Confidence in helping Intentions to provide MHFA Help provided at follow-up

Self-report vs observed behaviours

- Self-reported behaviours do not always correspond to actual, observed behaviours^{1,2}
- Incorporating observed behavioural measures ensures that students not only "know" the material and "know how" to apply it, but it allows them to "show how" they apply their newly learned skills.³



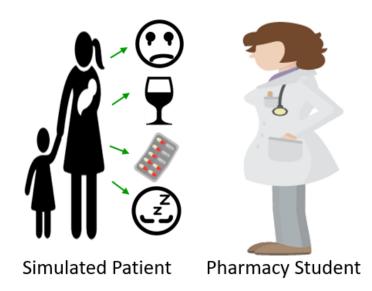
Simulated patient role-play assessments



Simulated patient cases are developed and delivered through collaboration with One Door Mental Health Consumer Educators

Sample case

- To pass the assessment
 - >50% overall mark



- Need to assess for suicide
 - If patient is suicidal \rightarrow need to keep them safe and provide immediate professional help
- After the role-play
 - Immediate feedback discussion with mental health consumer educator, tutor and peers

Evaluation of Simulated Patient Role-play assessments

American Journal of Pharmaceutical Education 2018; 82 (2) Article 6222.

RESEARCH

Assessing Mental Health First Aid Skills Using Simulated Patients

Sarira El-Den, PhD, MIPH, BPharm (Hons I), Timothy F. Chen, PhD, DipHPharm, BPharm, Rebekah J. Moles, PhD, DipHPharm, BPharm, Claire O'Reilly, PhD, BPharm (Hons)

The University of Sydney, New South Wales, Australia
Submitted December 14, 2016; accepted March 8, 2017; published March 2018.

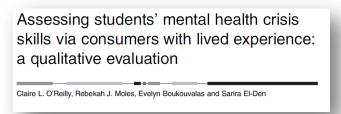
 Students under- and overestimate their self-reported confidence in enquiring about suicide, when compared to performance in simulated patient role-play assessments

- Students performed better in the cases where the simulated patient did not experience suicidal thoughts
 - Ambiguous language often used around suicide
 - Difficulty of knowing how to respond to suicidal thoughts

Evaluation of Simulated Patient Role-play assessments



• Comparative study: students who participated in/observed the role-plays were more likely to maintain significant improvements in confidence at follow-up than those who completed MHFA only.



Qualitative analyses: role-plays beneficial to and valued by consumers and students



• Interrater and test re-test reliability of rubric: modifications to improve clarity and ensure consistency among markers. Development of rubric versions to differentiate between appropriate MHFA provision in crisis and non-crisis case.

International perspective

- Some healthcare curricula globally have started to integrated MHFA in curricula¹
- There have been funding initiatives to support tertiary health students students², including medical students³ to receive MHFA training
- US pharmacists in Washington need to complete mandatory Suicide Prevention Training prior to registration⁴
- BUT no minimum standard of mental health and suicide prevention education for pharmacists nationally or internationally

Pharmacists' stigma of suicide

Prof Alan Rosen

CANADIAN-AUSTRALIAN IOINT SUICIDE STIGMA IN PHARMACISTS STUDY DALHOUSIE UNIVERSITY-UNIVERSITY OF SYDNEY 2016-2019

Claire O'Reilly, Sarira El-den, Alan Rosen TheMHS Conference, February 2021 Murphy A, O'Reilly C et al, J Social Psychiatry & Epidemiology, 2018. Murphy A O'Reilly C et al, Sage Open Medicine, 2019.

RESULTS — PREVIOUS MENTAL HEALTH CRISIS TRAINING

- More Australian than Canadian pharmacists had prior training (p < 0.001)
- Australian Pharmacists 28.6% had prior MH crisis training (Canadians 11.5%)
 - Most commonly Mental Health First Aid (MHFA)
- How well did this prepare them? n(%)
 - **Somewhat 30 (57%)**
 - Very well 18 (35%)

A new initiative of SANE Australia's Anne Deveson Research Centre, the National Stigma Report Card



Murphy A et al, J Social Psychiatry & Epidemiology, 2018



CANADA VS AUSTRALIA PHARMACISTS ATTITUDES & BEHAVIOURAL INTENTION RE SUICIDAL CLIENTELE

-CANADIAN PHARMACISTS WERE LESS DISMISSIVE OF SUICIDAL CLIENTELE AS PATHETIC, IMMORAL, WEAK OR IRRESPONSIBLE---SO LESS STIGMATISING, ----BUT MORE OF THEM FELT HELPLESS & DID NOT KNOW WHAT TO DO.

-AUSTRALIAN PHARMACISTS WERE MORE STIGMATISING, (CLOSER TO GENERAL CANADIAN POPULATION RESULTS) ----BUT FELT LESS HELPLESS & KNEW TO APPROACH THEM & OFFER TO ASSIST THEM FINDING SUITABLE CARE----MORE INSTRUMENTAL, MORE POSITIVE DISCRIMINATION

MODEL OF STIGMA

Problems of knowledge

[IGNORANCE]

Problems of attitude

[PREJUDICE]

Problems of behaviour
[DISCRIMINATION]

Stigma





Thornicroft, G. Shunned 2007

DISCRIMINATION

Discrimination: enacted stigma through behavioural actions

experienced

- Unfair treatment due to a mental illness
- Example: unreasonably rejected for a job

anticipated

- Fear of encountering discrimination
- Example:
 individual does
 not apply for a
 job

positive

 Beneficial treatment

• Example:

preferentially

hired due to

mental health

diagnosis



CONCLUSION: 1.

(POSSIBLE EXPLANATION-HYPOTHESIS LEVEL): STIGMA MAY COMPRISE OFTEN RELATED BUT SOMETIMES DIVERGENT ATTITUDINAL & BEHAVIOURAL VARIABLES OR COMPONENTS:

- Must Attitudes & Behaviours always be congruent or can they be contradictory?
- It appears that Cognitive Dissonance may not be a barrier to ethical, responsible & responsive behaviours?
- Consistency or Purity of Thought & Action may be an unrealistic expectation or aspiration, sometimes or even often?
- Is MHFA more effective with behaviour change than with attitudinal change with primary healthcare professionals? Are they just pragmatic & less reflective about applying required behaviours?
- Caveats/Limitations:

-no matching was possible between particular Australians or Canadians who had completed Mental Health courses, and those who were more or less stigmatizing or enabling.

-measure was of behavioural intention, not of behaviours themselves.

-we can't conclude too much from the national differences in pharmacist stigma of suicide, as it was a cross-sectional measure at one time point, without analysing the influence of training over more points in time.



CONCLUSION: 2.

(POSSIBLE NEXT STEPS TOWARDS SOLUTIONS-HYPOTHESIS LEVEL): STIGMA MAY COMPRISE OFTEN RELATED BUT SOMETIMES DIVERGENT ATTITUDINAL & BEHAVIOURAL VARIABLES OR COMPONENTS:

- Should we prioritize, focus initially & strive <u>directly</u> for helpful behaviours? Maybe they will reshape attitudes on the rebound?
- Over-reliance on self-rating attitude studies. Does this suggest the need for more simulated behavioural or more truly behavioural studies? (Thornicroft).
- Are such studies ethical? Eg. with Service Users with consistent support, in recovery as roleplay or simulation enablers & as discussants, or with actors?
- Do we need <u>both</u> Mental Health First Aid <u>&</u> Experiential Suicidality Attitudinal, Awareness & Responsiveness Training for co-laterally involved professionals & community members? Eg Hairdressers? Real-estate agents?
- Should we tackle Trauma & Stigma together—pulling out the stops on overcoming both together synergistically? Optimizing both Neuroplasticity & Empowerment?

CONCLUSIONS 3.

Results of parallel Univ Sydney Comm Pharm Research O'Reilly C et al, Internat J of Social Psychiatry, 2019

- Discrimination from primary & secondary health professionals is prevalent.
- Low discrimination scores from assertive mental health team staff:
 - -- Do they shield service-users from -ve discrimination?
 - -- Do they provide Positive Discrimination? Is it therapeutic?
- As both +ve attitudes and +ve behaviours may be synergistic in a) destigmatising, b) getting practical help, c) positive discrimination*, and d) healing & recovery, can they be learned with training? Does this require MHFA (theoretical + face-to-face components) + experiential training with service-users & families in highly valued & legitimized expert roles?
- * eg human rights facilitation, doing special things, undoing unneeded treatments & orders

WE CAN ALL BE MORE EFFECTIVE IF WE ARE ALL ON THE SAME PACE





STIGNA AS A SOURCE OF TRAUNA

- Prominent Sources of Trauma in Mental Health Services (can be co-occurring)
- 1. Frightening acute psychotic & suicidal experiences
- 2. Involuntary Hospital Admission & Treatment, being secluded, held down & injected
- 3. Early & persistent experiences of Stigma
- Service-users report that the experience of the stigma of having a mental illness is often worse than living with the illness.
- Acute &/or cumulative experiences of being stigmatized, shunned and discriminated against may be erosive & contribute substantially to the genesis of PTSD.
- Self-stigma can set in early & become an indelible "traumatic shadow or stain" -so difficult to remove.
- Recent evidence suggests that hyper-reactivity to stress may often be epigenetically transmitted to future generations, with investment in preventive interventions likely to be worthwhile.

<u>Acknowledgements</u>

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One Door Mental Health

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Thank you

Questions?