

# Reducing the burden of mental disorders in Queensland

Harvey Whiteford

# How to think about what is needed

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Population prevalence

# Prevalence of mental disorder in Queensland



# How to think about what is needed

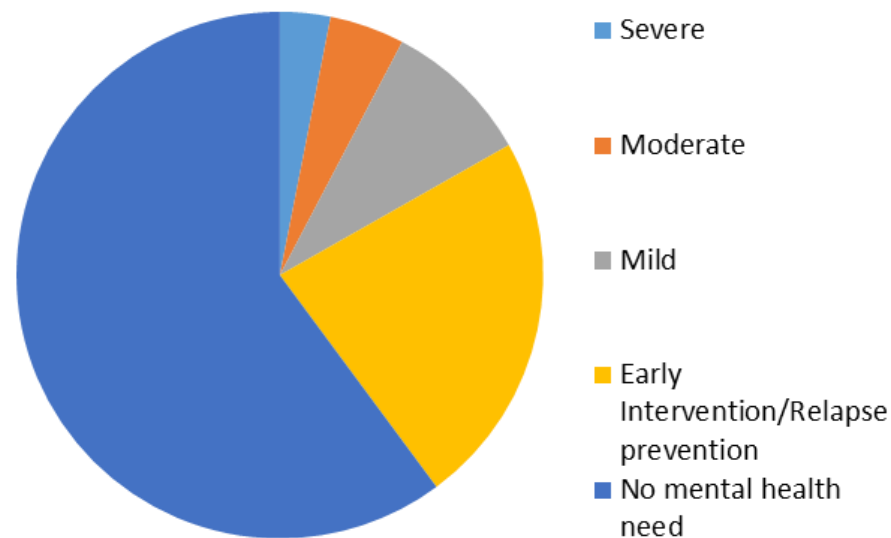
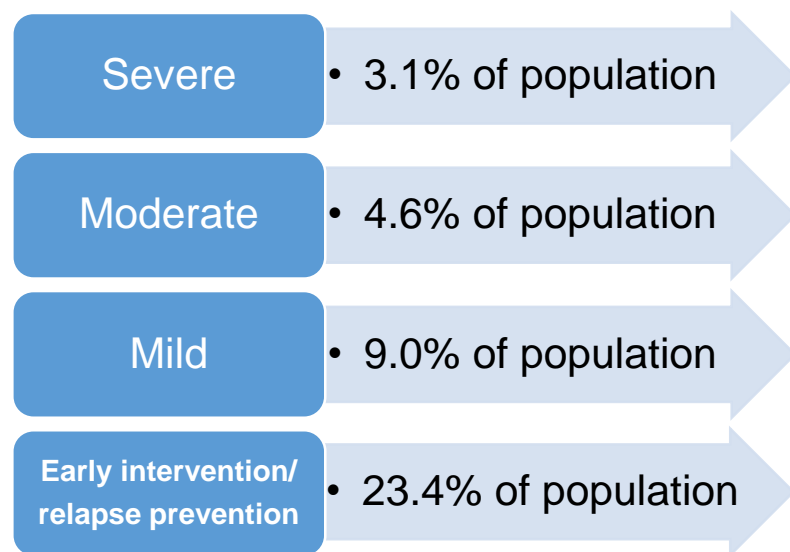
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Population prevalence



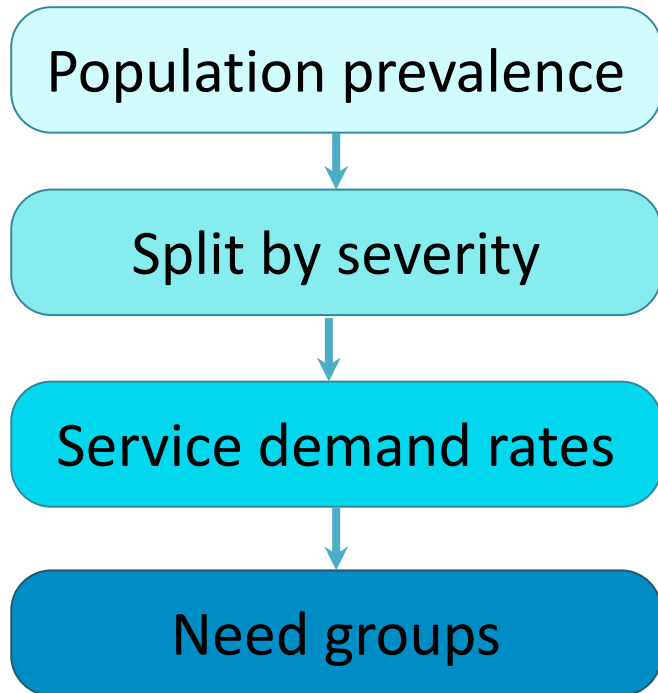
Split by severity

# Disaggregating by severity and impact

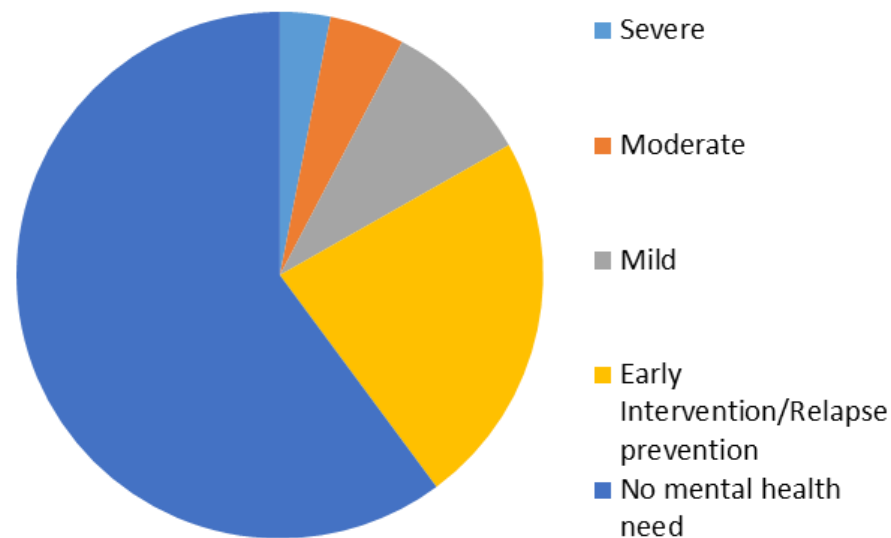
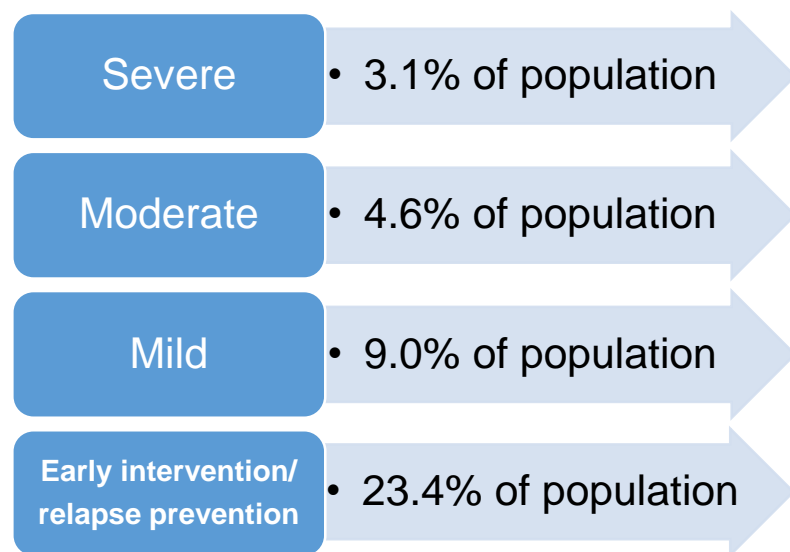


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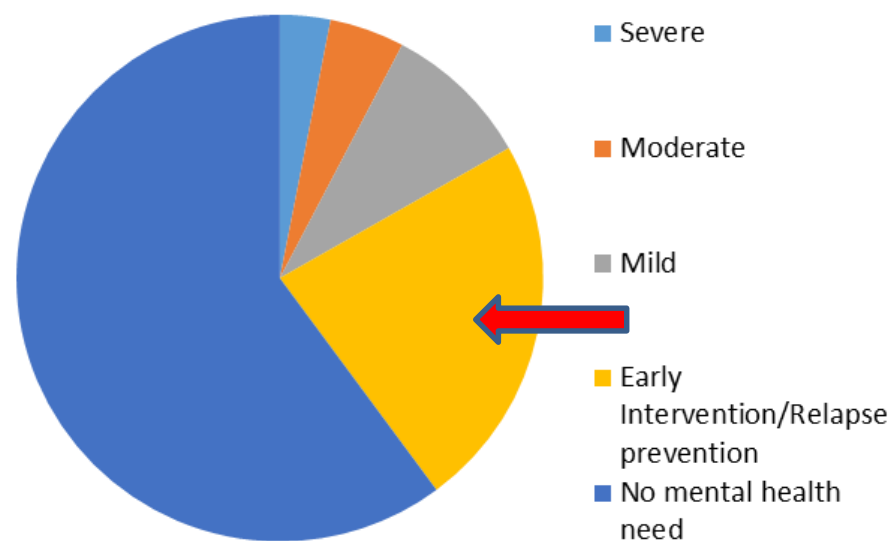
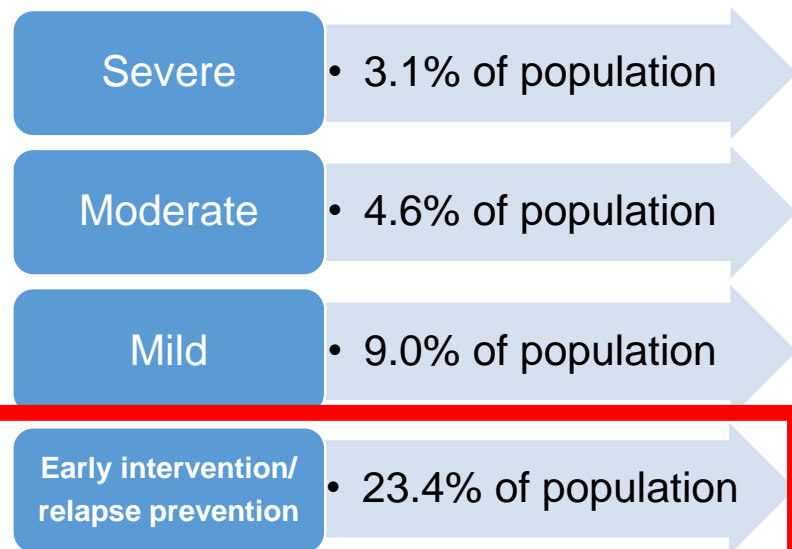
# Demand rates & treatment targets



## Service demand rates

Severe	100%
Moderate	80%
Mild	50%
Early intervention/relapse prevention	24%

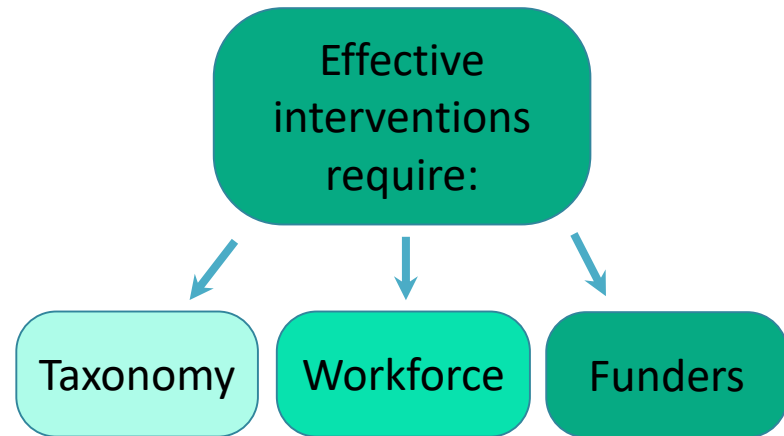
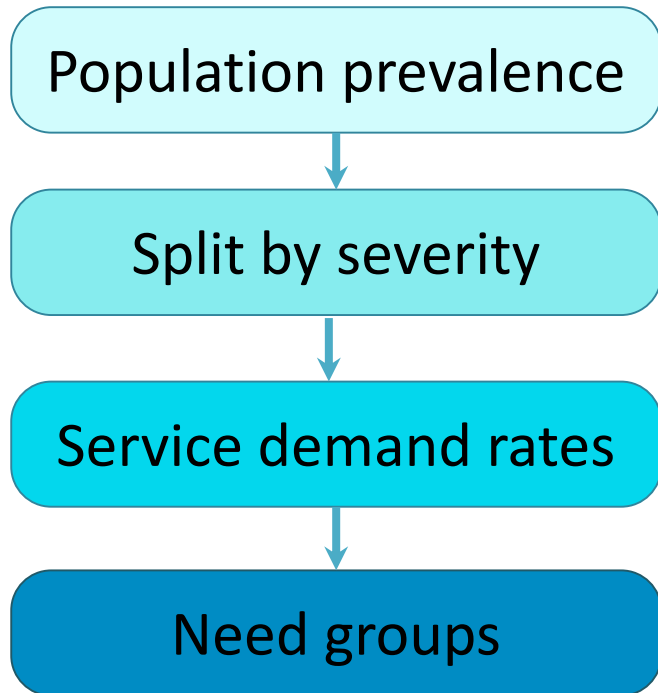
# Demand rates & treatment targets



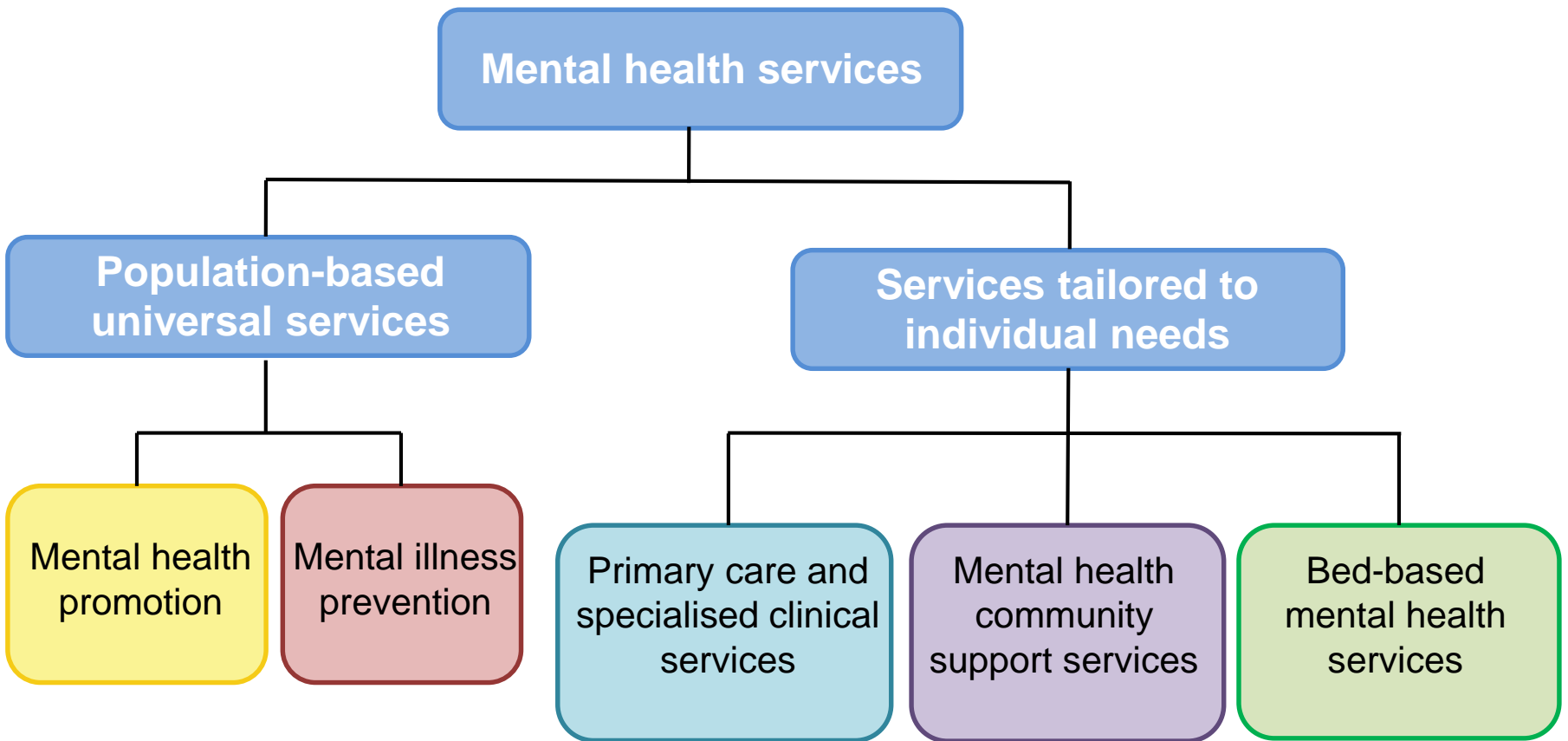
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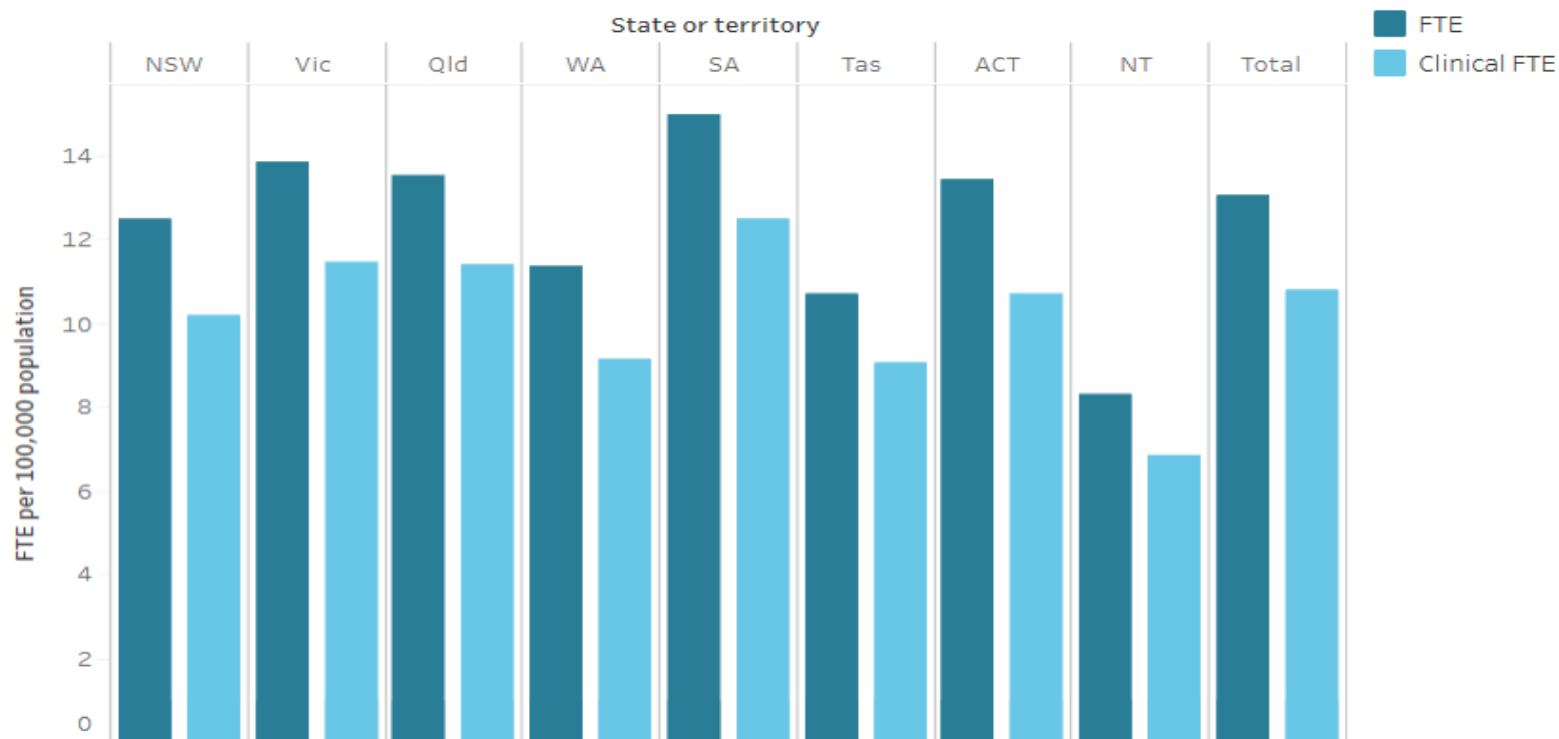


# Taxonomy



# Workforce - psychiatrists

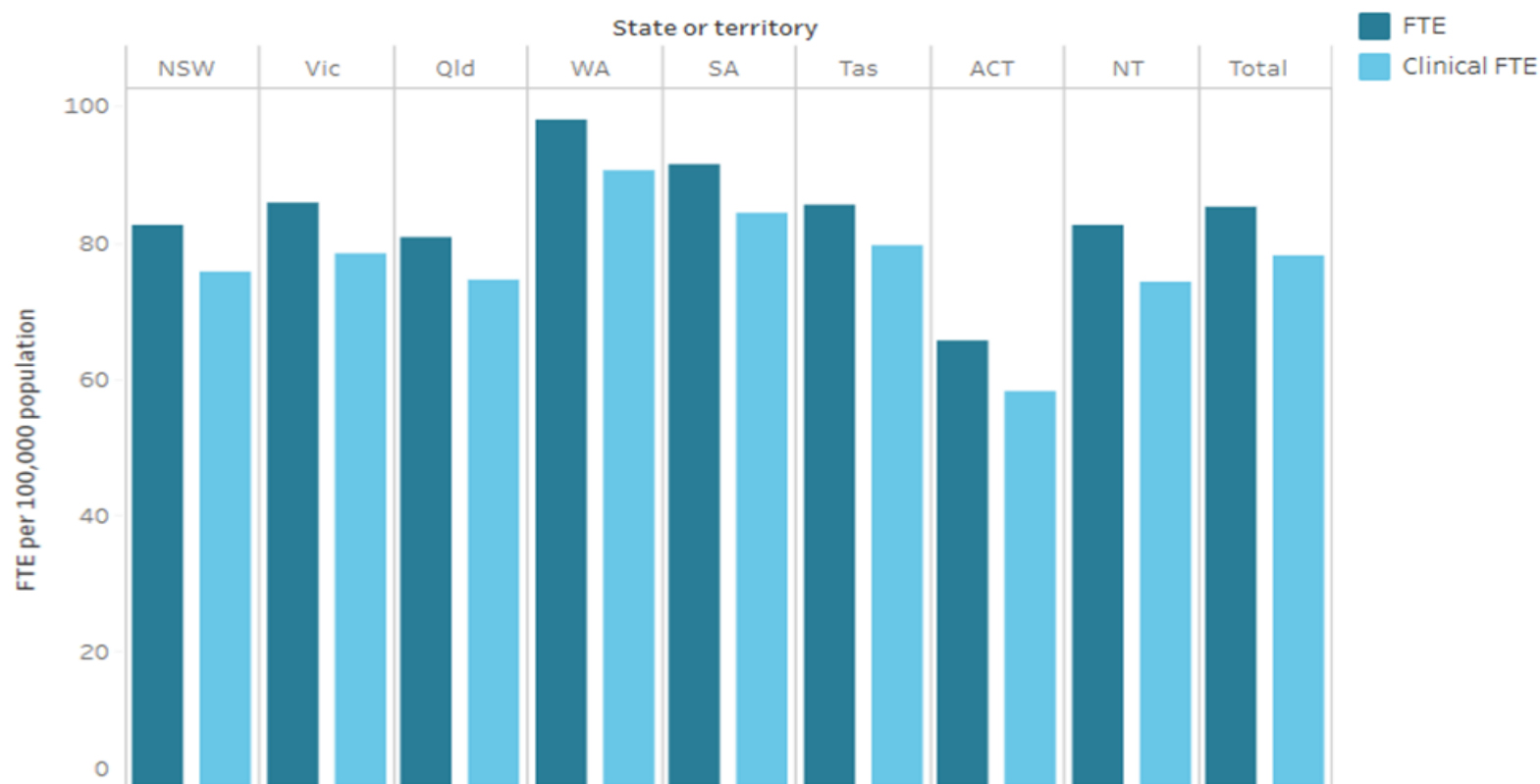
Figure WK.1: Psychiatrists, FTE and clinical FTE per 100,000 population, states and territories, 2016



Source: AIHW; Table WK.3.

# Workforce – mental health nurses

Figure WK.5: Mental health nurses, FTE and clinical FTE per 100,000 population, states and territories, 2016



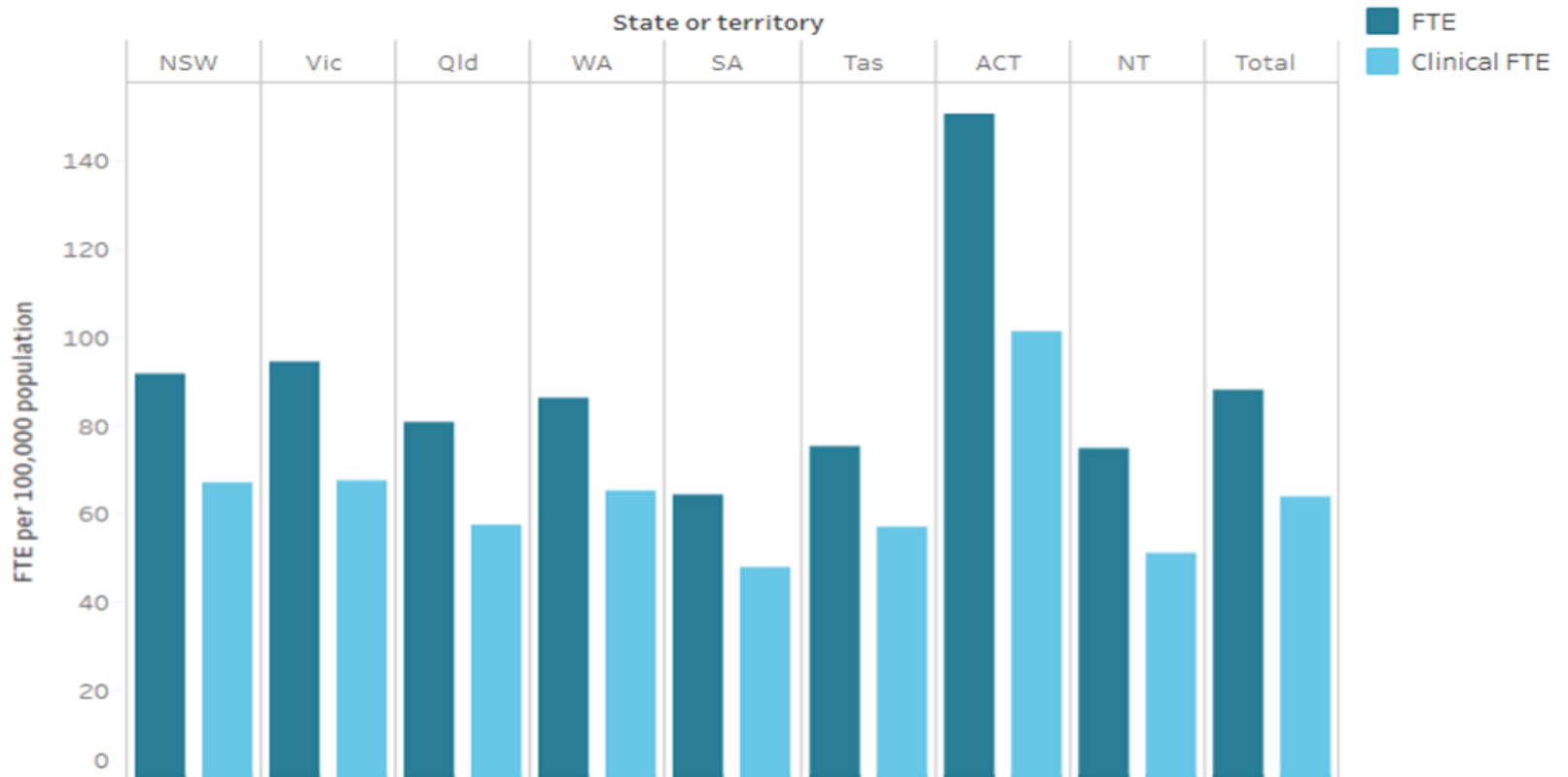
Source: AIHW; Table WK.11.

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# Workforce - psychologists

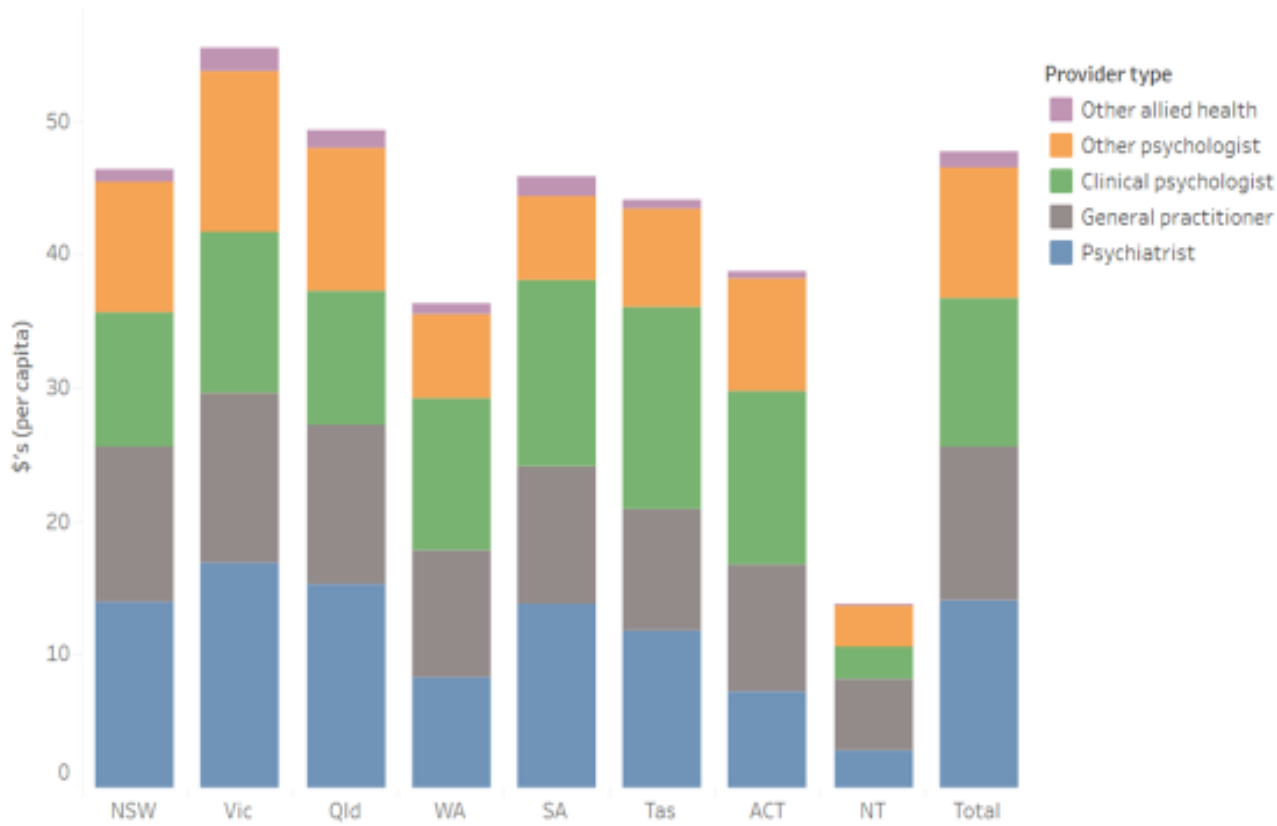
Figure WK.10: Psychologists, FTE and clinical FTE per 100,000 population, states and territories, 2015



Source: AIHW; Table WK.19.

# Funding - per capita Medicare expenditure by state and territory, 2016-17

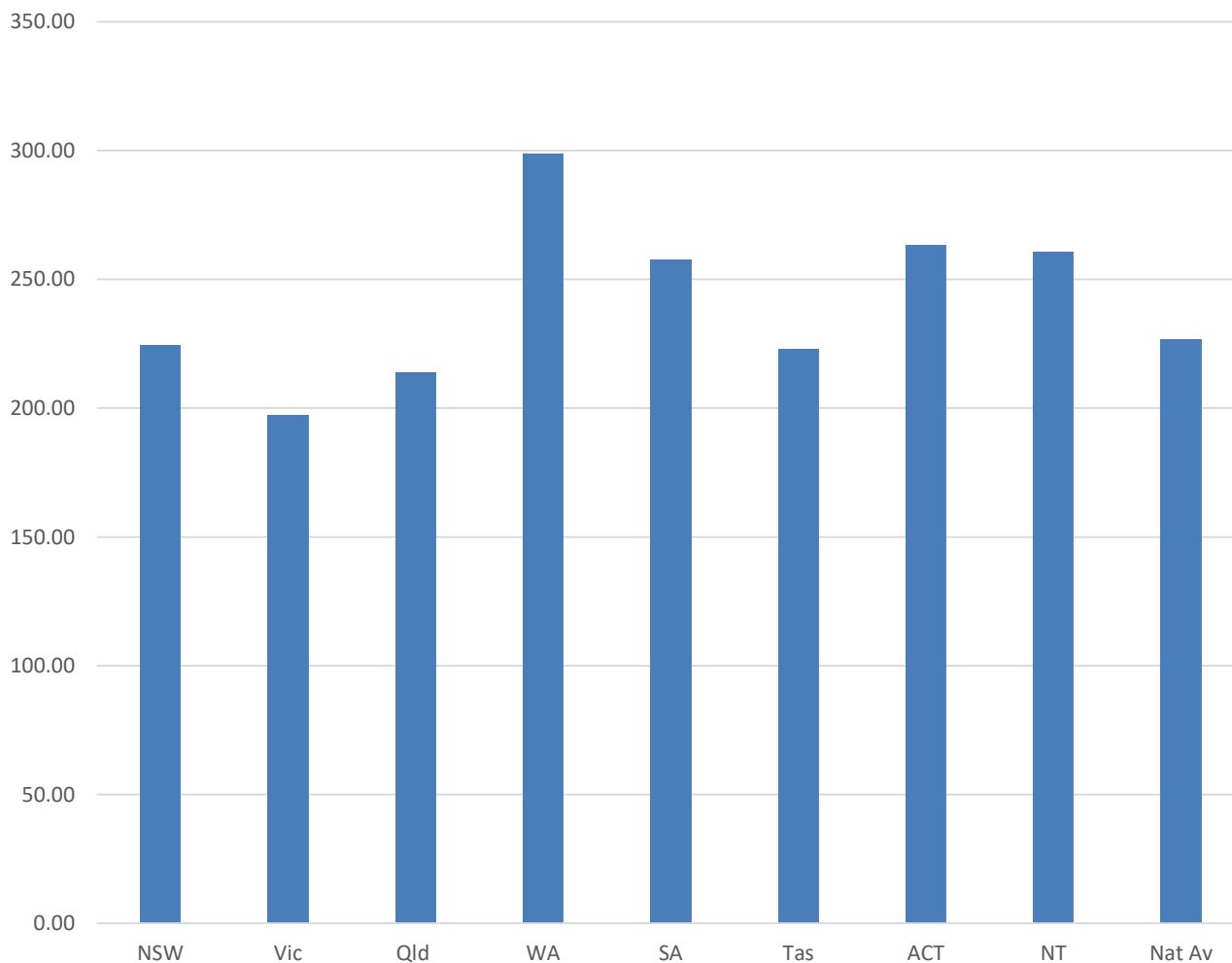
Figure EXP.3: Australian Government expenditure (\$) per capita Medicare-subsidised mental health-specific services, by provider type, 2016-17



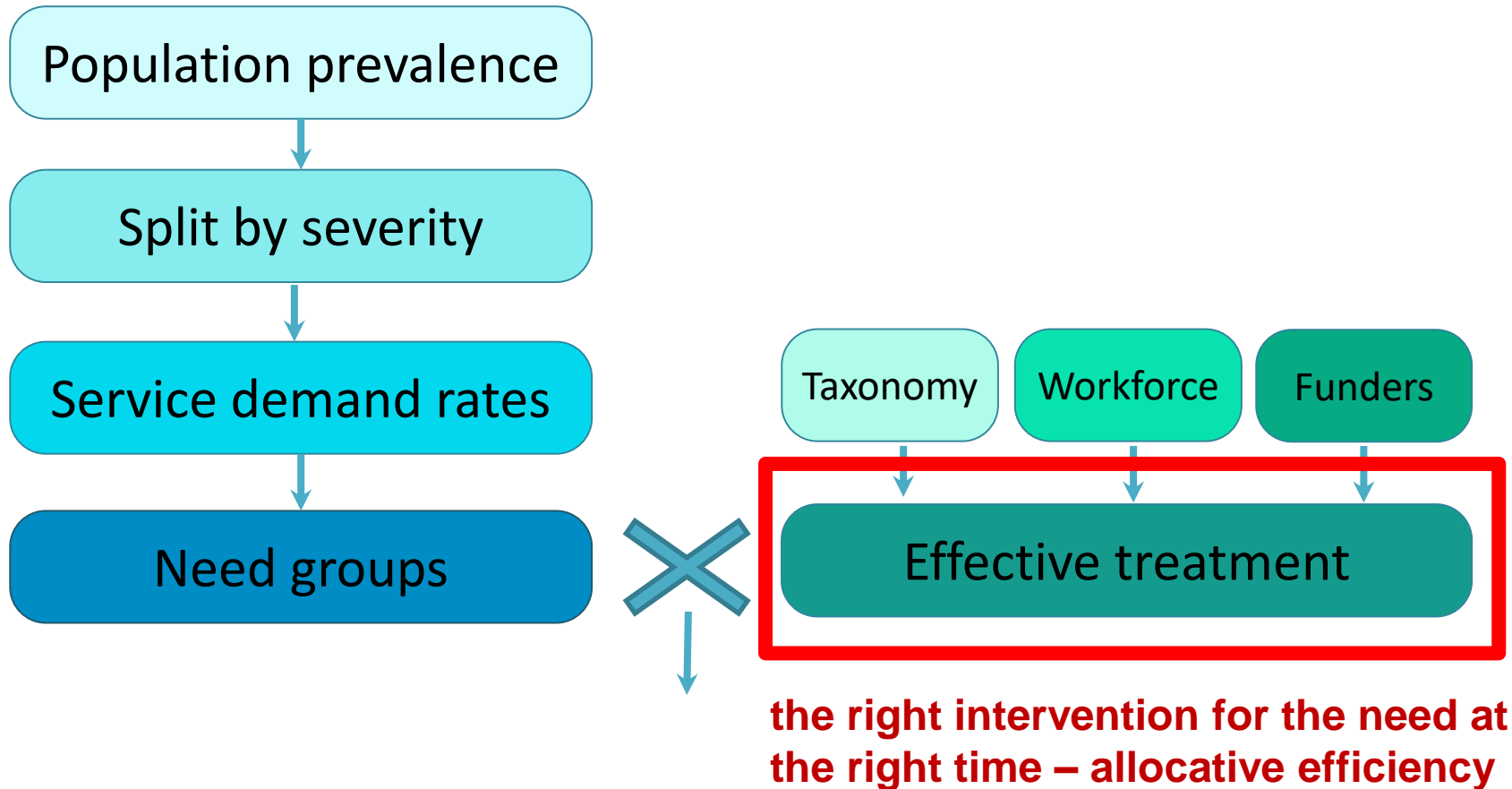
Source: Medicare Benefits Schedule data; Table EXP.20



# Funding - per capita state and territory expenditure, specialised mental health services, 2015-16



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# Care profiles - National Mental Health Service Planning Framework

## Care Profile Title: SEV\_AMB\_C (Severe, Ambulatory only, Complex)

Description: SEVERE AMBULATORY C - Most Severe/Chronic who don't get admitted  
– predominantly public mental health.

[Flowchart](#)

18-64 years

[Version](#)

345.4 per 100K age 18-64  
48,853 Total persons, AUS June 2011

10% of SEV

### Description of Epidemiology

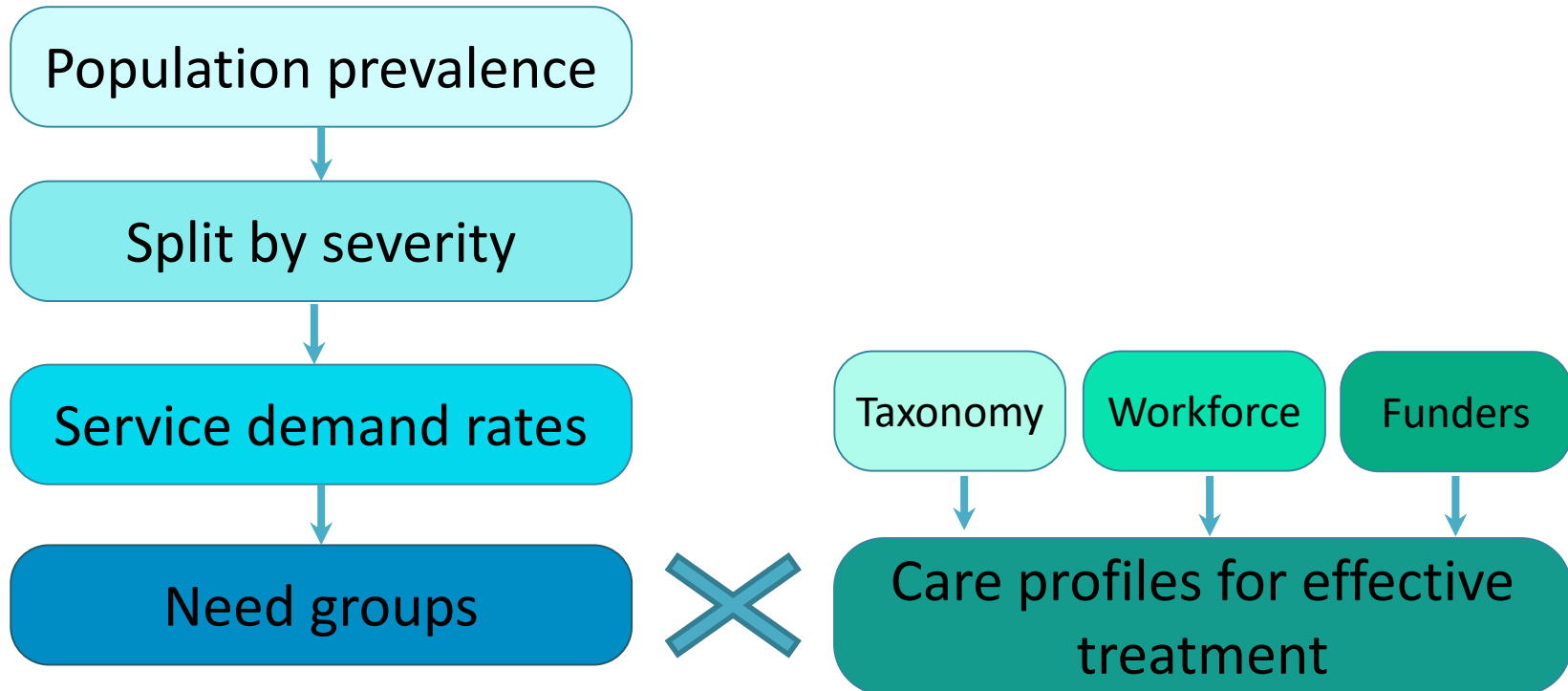
Estimated as 10% of severe group. Estimated at 13% of SEVERE Ambulatory only.

### Description of Group

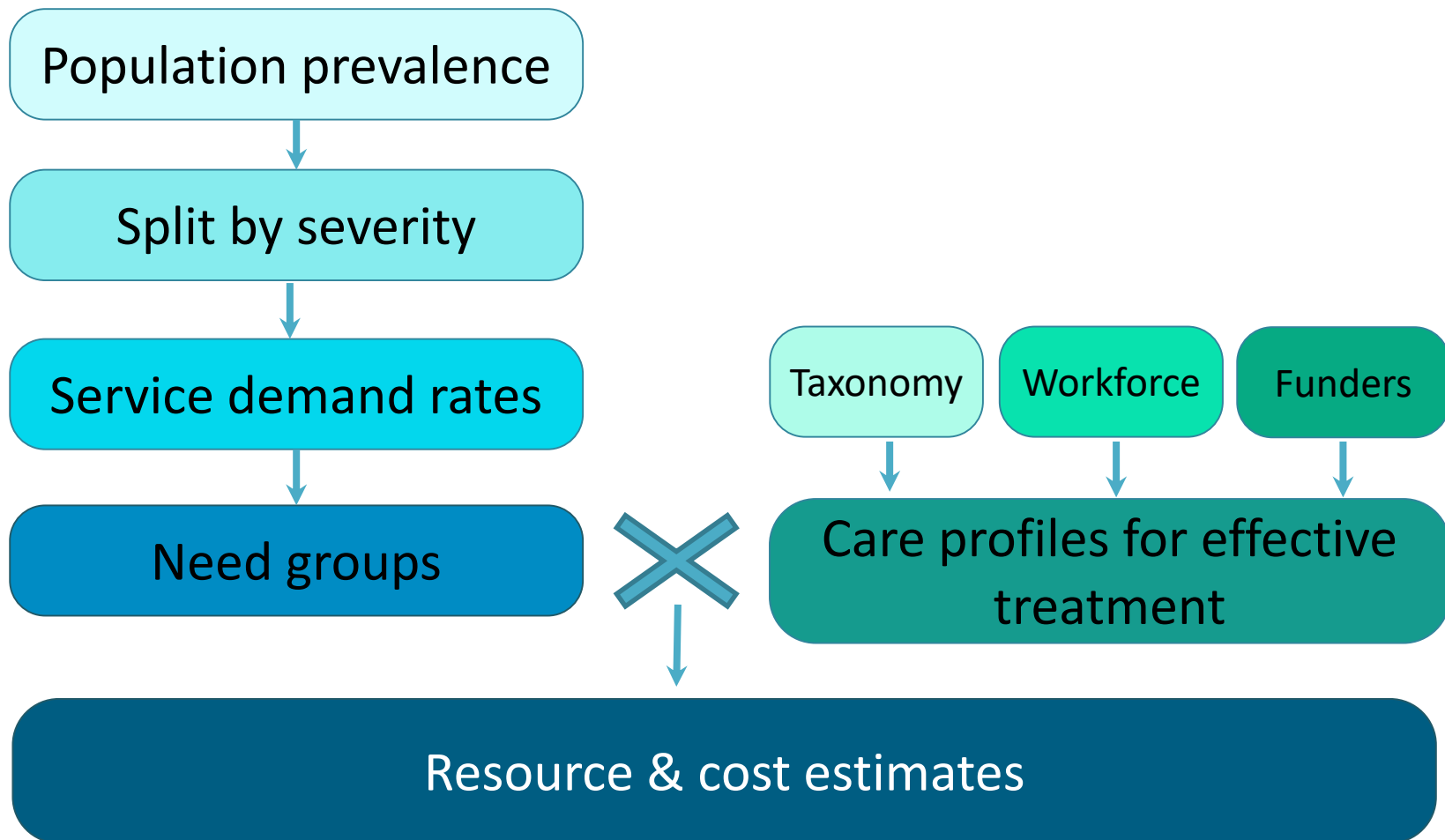
This group have complex needs but are able to stay supported in the community. This group do not require an admission in the current year. They are not well suited for private health services. Generally this group benefit from frequent contact with clinical community treatment teams with a small proportion experiencing crises. Integrated physical health care is required and this group is likely to require psychosocial support and multi-agency input to maintain function and independence.

Taxonomy Ref No.	Activity	% Pop'n applicable	No. of Occasions of Service	ch ek	Activity Duration	Activity measure	Staff cat*	Label	Comment
AR2	Clinical Community Treatment Team - Adult - 18-64 years	100%	48	Amb	60	min	Staffing Profile template	State	60 mins discounted here for the AY1 and AY2 Pharmacotherapy prescription and reviews
AB	Acute Care Services	100%	12	Amb	90	min	Staffing Profile template	State	
AM3	General Physical Health Monitoring & Ongoing Management	100%	4	Ind	30	min	GP - Medical	Non-MH	
IR	Individual Support and Rehabilitation	75%	52	Com	90	min	Staffing Profile template	CW & St	
IP1	Individual Peer Work	25%	52	Ind	90	min	Consumer Peer Worker	CW & St	
GR	Group Support and Rehabilitation	25%	12	Com	60	min	Staffing Profile template	CW & St	group - 2 hours once per week; 2 providers; 12 participants
GP2	Group Based Peer Work - Severe	25%	26	Com	60	min	Staffing Profile template	CW & St	group - 2 hours once per week; 2 providers; 6 participants
GP4	Group Based Carer Peer Work - Severe	10%	10	Com	60	min	Staffing Profile template	CW & St	
FG	Group Carer Support Services	10%	10	Com	60	min	Staffing Profile template	CW & St	group - 2 hours once per week for 10 weeks; 2 providers; 12 participants
AL	Care Coordination and Liaison	50%	12	Ind	60	min	Tertiary Qualified	State	
AT6	SPT Extended Intervention - Family	20%	3	Ind	45	min	Tertiary Qualified	State	
AY1	Pharmacotherapy Prescription	100%	1	Ind	15	min	Psychiatrist - Medical	State	this time was discounted from the intensive community team time
AY2	Pharmacotherapy Review	100%	3	Ind	15	min	GP - Medical	CWealth	this time was discounted from the intensive community team time

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# Planning Support Tool (NMHSPF-PST)

## NMHSPF - Planning Support Tool

### Standard Report 2 - Summary of resources

Selected population jurisdiction: Australia

Standard Report 2 provides an introductory summary of selected outputs from the database. The report focuses on key populations, resources and costs, arranged by level of severity and funding source. Outputs labelled as 'CW & St' are primarily services provided by the Community Support Sector and are supported by a mix of State and Commonwealth funding arrangements. Outputs labelled as 'State' or 'Commonwealth' represent estimates of likely splits of responsibility at time of review (2016). There will be variation in funding arrangements across various programs and jurisdictions. Outputs should be considered with caution. Workforce FTEs, beds and associated costs are modelled at desirable, efficient operational rates which are not necessarily consistent with current practice. They are averaged national rates and do not account for regional variations in population demographics, salary and workforce characteristics. Individual outputs should not be considered in isolation. The efficient rates modelled can only be achieved with a balanced investment across all service sectors. Details of modelling assumptions are provided in the Technical Manual.

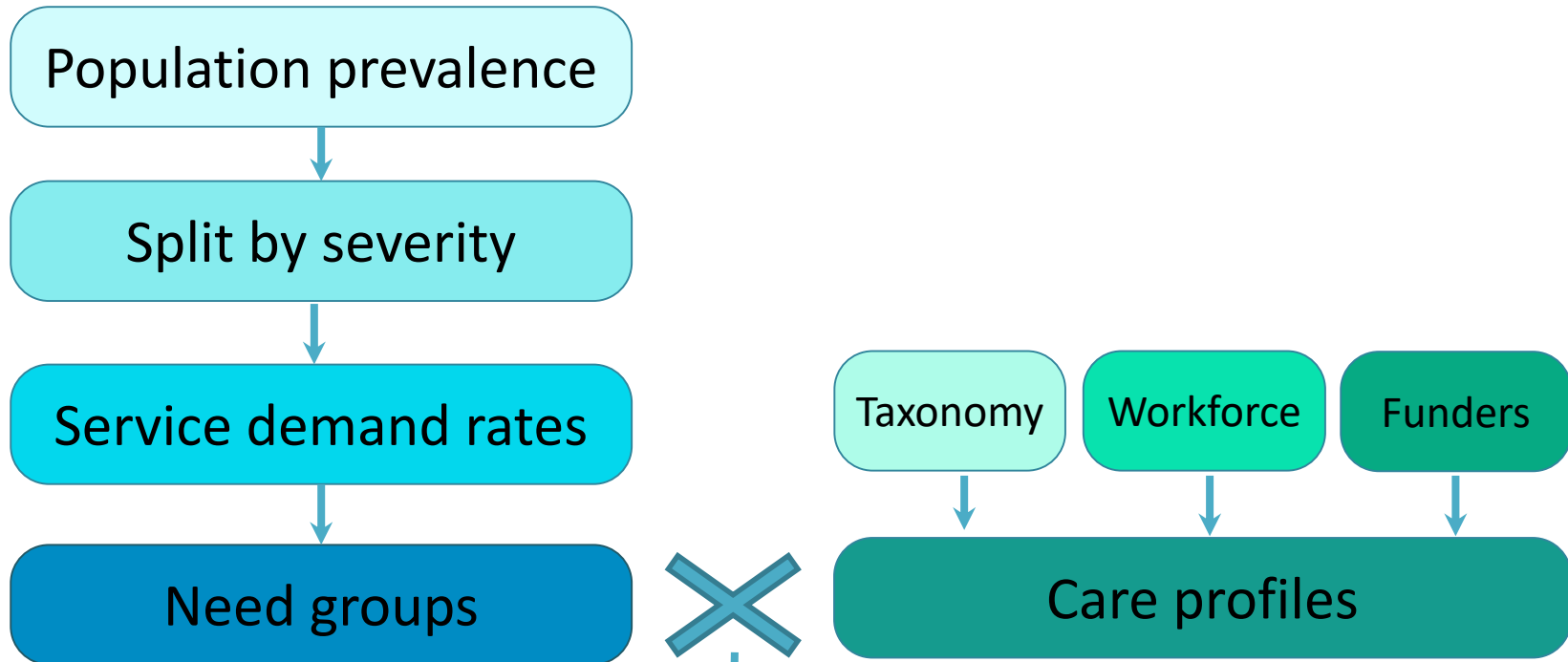
Year	2015	▼
Age	(All)	▼

Change Year or Age

If a new Label is applied then the row list may vary in content and length

Sum of Values Australia	Column Label					
Row Labels	Total population	Treated population	Workforce FTEs	Beds MH	Workforce FTE prices \$million	Other prices \$million
⊕ Popn	23,750,044	4,017,700	-	-	-	-
⊖ State	-	-	29,818	9,573	4,362.1	3.5
Early intervention	-	-	339	-	49.6	-
Severe	-	-	26,446	8,879	3,831.6	-
Top-up	-	-	3,033	693	480.9	3.5
⊖ C'Wealth	-	-	16,079	-	3,014.6	972.4
Early intervention	-	-	1,574	-	217.9	-
Relapse prevention	-	-	1,133	-	159.0	-
Mild	-	-	2,929	-	457.0	-
Moderate	-	-	4,870	-	894.8	-
Severe	-	-	5,572	-	1,285.6	-
Top-up	-	-	1	-	0.3	-

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# Only four ways to reduce the burden of mental disorders

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**Reduce incidence** – Prevention

**Decrease duration of disorder** – effective treatment & support

**Reduce severity/disability** – effective treatment & support

**Reduce premature mortality** – reduce risk factors + effective physical and mental health treatment

# Thank you

