

Supplementary Material for

Appraisal of physical health guidelines for severe mental illness

Nadia Friend^{1,6} MBBS, Registrar

*Jade Hughes*² MBBS, MPH, Registrar

Steve Kisely^{3,4} MD, PhD, DMedRes, Professor

*Ratika Kumar*⁵ PhD, Research Associate

Dan Siskind^{3,4} MBBS, MPH, PhD, FRANZCP, Professor

¹Sunshine Coast Mental Health and Addiction Services, Maroochydore, Qld 4558, Australia.

²Metro North Mental Health Service, Royal Brisbane and Women's Hospital, Herston, Qld 4029, Australia. Email: jade.p.hughes@gmail.com

³University of Queensland, School of Medicine, Brisbane, Qld 4102, Australia. Email: s.kisely@uq.edu.au; d.siskind@uq.edu.au

⁴Metro South Addiction and Mental Health Service, Brisbane, Qld 4102, Australia.

⁵The University of Newcastle, Faculty of Medicine and Public Health, University Drive, Callaghan, NSW 2308, Australia. Email: ratika.kumar@newcastle.edu.au

⁶Corresponding author. Email: nadia.friend@health.qld.gov.au

Contents:

Table S1. Guidelines assessed for eligibility but not included in appraisal and reasons for exclusion

Table S2. Domain Scores

Table S3. Median Domain Scores

Table S1. Guidelines assessed for eligibility but not included in appraisal and reasons for exclusion

Guideline	Reason for exclusion
Buchanan RW, Kreyenbuhl J, Kelly DL, et al. The 2009 schizophrenia PORT psychopharmacological treatment recommendations and summary statements. <i>Schizophrenia bulletin</i> . 2010;36(1):71-93	Minimal focus on an aspect of physical health.
Harris B, Duggan M, Batterham P, et al. Australia's Mental and Physical Health Tracker: Background Paper. Melbourne AHPC 2018	Not practice guideline.
Lipscombe L, Booth G, Butalia S, et al. Pharmacologic glyceemic management of Type 2 Diabetes in adults. <i>Canadian journal of diabetes</i> 2018; 42 (Suppl 1):S88-S103	Minimal focus on severe mental illness
WONCA. General Principles for the management of the physical health of people with a severe mental illness.	Not practice guideline
Sussex Partnership NHS. Guidance on the use of antipsychotics: v4. 2018	Main focus is anti-psychotics rather than physical health or severe mental illness
Sernyak MJ. Implementation of monitoring and management guidelines for second generation antipsychotics. <i>The journal of clinical psychiatry</i> . 2007; 68 Suppl 4:14-18	Not endorsed by peak body or government organisation.
NHS England. Improving physical healthcare for people living with severe mental illness (SMI) in primary care: Guidance for CCGs 2018	Not practice guideline
Working Group for Improving the Physical Health of People with SMI. Improving the physical health of adults with severe mental illness: essential actions (OP 100) Royal College of psychiatrists 2016	Not practice guideline
NHS England. Improving the physical health of people with serious mental illness: a practical toolkit. 2016	Not practice guideline. Summarises evaluation of Lester Tool.
Derbyshire Healthcare NH. Looking after mind and body: Primary Care Toolkit- Physical Health Checks for people with severe mental illness.	Not practice guideline. Details local procedure which implements Lester Tool.
Government of South Australia. Metabolic health referral pathways.	Flowchart
Royal College of Psychiatrists. Physical health in mental health; Final report of a scoping group 2009	Not practice guideline
Shivers DE, Rafi I, Cooper SI, Holt R. Positive cardiometabolic health resource: an intervention framework for patients with psychosis and schizophrenia. London: Royal College of Psychiatrists; 2014 update	Not practice guideline
McDevitt J. Primary care update for mental health nurses: evidence-based guidelines for nursing assessment, intervention and follow up. <i>Journal of psychosocial nursing and mental health services</i> . Oct 2004; 42(10) 22-35	Not endorsed by peak body or government organisation.
American Psychiatric Association. Psychiatry's Role in Improving the Physical Health of Patients with Serious Mental Illness. 2017	Not practice guideline
Galletly C, Castle D, Dark F et al. Royal Australian and New Zealander College of Psychiatrists Clinical Practice Guidelines for the management of schizophrenia and related disorders. <i>The Australian and New Zealand journal of psychiatry</i> . May 2016 50(5): 410-472	Minimal focus on an aspect of physical health.
Hasan A, Falkai P, Wobrock T, et al. World Federation of Societies of Biological Psychiatry guidelines for biological treatment of schizophrenia – a short version for primary care. <i>International journal of psychiatry in clinical practice</i> . Jun 2017; 21(2) 82-90	Minimal focus on an aspect of physical health.
Hasan A, Falkai P, Wobrock T, et al. World Federation of Societies of Biological Psychiatry guidelines for the biological treatment of schizophrenia, part 2: update 2012 on the long-term treatment of schizophrenia and management of antipsychotic-induced side effects. <i>The world journal of biological psychiatry: the official journal of the World Federation of Societies of Biological Psychiatry</i> . Feb 2013; 14(1): 2-44	Minimal focus on an aspect of physical health

Table S2. Domain Scores

Guideline	Domain 1 Scope and Purpose	Domain 2 Stakeholder Involvement	Domain 3 Rigour of Development	Domain 4 Clarity of Presentation	Domain 5 Applicability	Domain 6 Editorial Independence	Domains scoring ≥60%	Median Domain Score for each guideline	Min Domain Score	Max Domain Score	Overall Score Appraiser 1	Overall Score Appraiser 2	Recommended for use
ADA APA Consensus	81%	39%	29%	64%	23%	25%	2	34%	23%	81%	3	3	No
BAP Guideline	92%	44%	57%	78%	65%	38%	3	61%	38%	92%	6	6	Yes
BC Children's Hospital Guideline	61%	19%	3%	36%	17%	17%	1	18%	3%	61%	3	4	Yes with modifications
EPA Position Statement	53%	39%	29%	56%	38%	54%	0	46%	29%	56%	6	5	Yes
Florida Guideline	69%	69%	31%	50%	60%	13%	3	55%	13%	69%	4	3	Yes with modifications
Mental Health Nurses Guideline	67%	39%	22%	53%	50%	4%	1	45%	4%	67%	4	4	Yes with modifications
NSW Guideline	69%	83%	18%	58%	71%	0%	2	64%	0%	83%	5	4	Yes with modifications
Orygen Early Psychosis Guideline	28%	11%	8%	50%	33%	0%	0	20%	0%	50%	4	4	Yes with modifications
Orygen Physical and Mental Health Guideline	69%	33%	17%	44%	38%	0%	1	36%	0%	69%	4	4	Yes with modifications
Mount Sinai Conference Guideline	72%	42%	38%	86%	67%	46%	3	57%	38%	86%	4	5	Yes with modifications
WPA Guideline	25%	25%	13%	50%	46%	0%	1	25%	0%	50%	2	3	Yes with modifications
RANZCP consensus statement	81%	89%	41%	56%	42%	21%	2	49%	21%	89%	5	4	Yes with modifications
Swedish Guideline	56%	53%	30%	53%	40%	46%	0	50%	30%	56%	4	4	Yes with modifications
UWA Guideline	47%	58%	48%	47%	58%	17%	0	48%	17%	58%	5	5	Yes
WHO Guideline	94%	83%	100%	94%	79%	100%	6	94%	79%	100%	7	7	Yes

Table S3. Median Domain Scores

	Domain 1 Scope and Purpose	Domain 2 Stakeholder Involvement	Domain 3 Rigour of Development	Domain 4 Clarity of Presentation	Domain 5 Applicability	Domain 6 Editorial Independence
Median for each domain	69%	42%	29%	53%	46%	17%
Min	25%	11%	3%	36%	17%	0%
Max	94%	89%	100%	94%	79%	100%
No of guidelines with \geq 60% in individual domains	10	4	1	4	5	1