

## Supplementary material

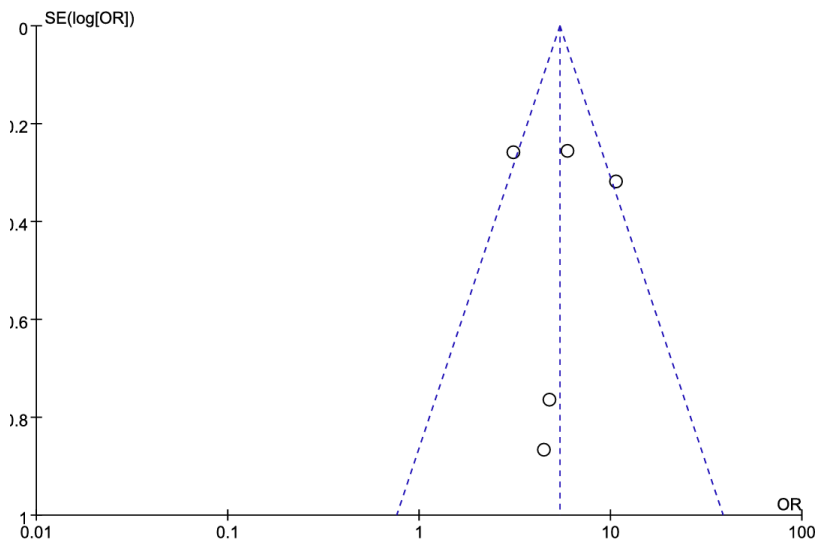
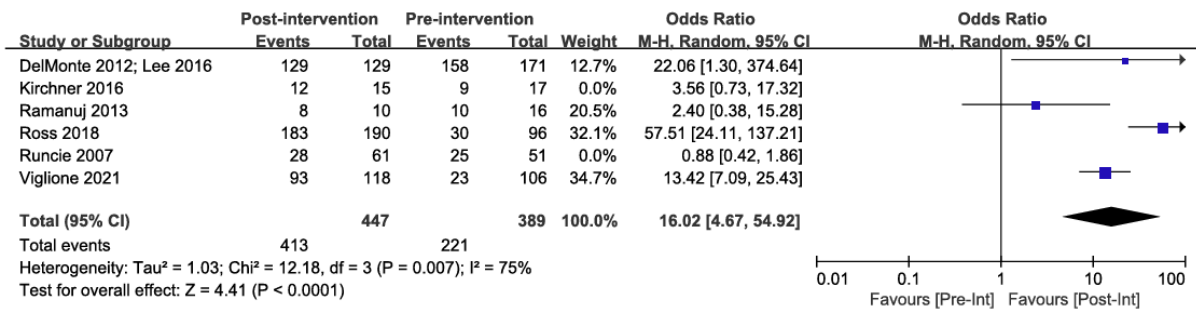


Figure S1. Funnel plot of lipids monitoring.

### (a) Plasma glucose monitoring



### (b) Lipids monitoring

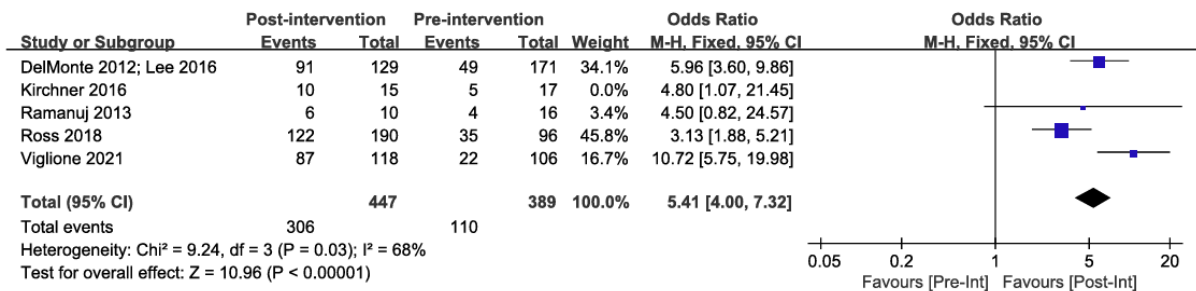


Figure S2. Forest plot of sensitivity analysis of odds ratios examining the effects of institutional QI interventions on antipsychotic-associated metabolic risk monitoring after excluding low quality studies.

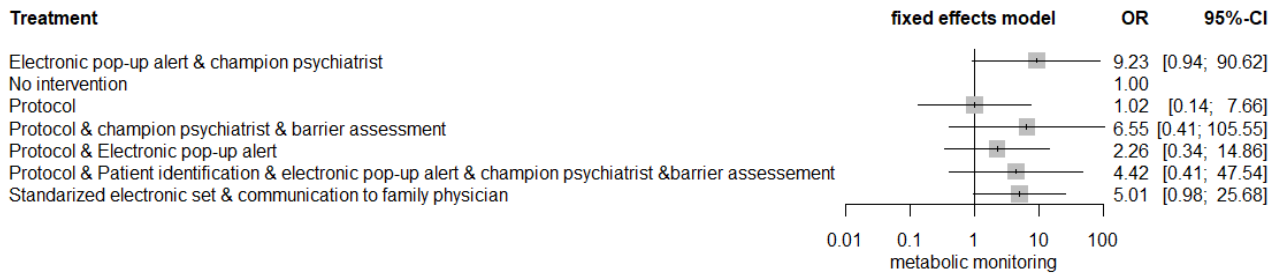


Figure S3. Forest plot for network meta-analysis on the impact of QI system types on cardiometabolic monitoring rates

Table S1. Quality assessment of the intervention studies

Study	Selection bias	Study design	Confounders	Blinding	Data collection method	Withdrawal and drop outs	Global rating
Runcie et al., 2007	1	3	3	2	2	Not applicable	Weak
DelMonte et al., 2012; Lee et al., 2016	1	3	1	2	1	Not applicable	Moderate
Ramanuj et al., 2013	2	3	1	2	1	Not applicable	Moderate
Fischler et al., 2016	1	3	3	3	1	Not applicable	Weak
Kirchner et al., 2016	1	3	3	2	1	Not applicable	Weak
Lui et al., 2016	1	3	3	2	1	Not applicable	Weak
Green et al., 2018	1	3	3	2	1	Not applicable	Weak
Ishida et al., 2018	1	3	3	2	1	Not applicable	Weak
Ross et al., 2018	1	3	1	2	1	Not applicable	Moderate
Leung et al., 2021	1	3	3	2	1	Not applicable	Weak
Viglione et al., 2021	1	3	1	2	1	Not applicable	Moderate

Each of the 6 components (selection, design, confounders, blinding, data collection withdrawal and drop outs) is rated per a standardized guide as 1 (strong), 2 (moderate), or 3 (weak).

Each study is rated with a global rating depending on the number of components with a weak rating. Studies with no weak components are rated strong, studies with 1 weak component are rated moderate and studies with 2 or more weak components are rated as weak.