

Supplementary file 3: Coding themes

Coding themes for all studies

| Inputs | Service delivery | Outcomes |
|--|---|--|
| <ul style="list-style-type: none"> • Resource availability • Facility environment • Culture & preferences | <ul style="list-style-type: none"> • Team work & leadership • Trainings • Performance measurement & management • Provider competence • Provider motivation • Provider safety • Information system use • Patient-provider relation • Patient safety • Patient-centered care • Gatekeeping & Referrals • Comprehensiveness of services • Primary healthcare reforms • Community engagement & outreach • Access | <ul style="list-style-type: none"> • Clinical outcomes • Patient-reported outcomes • Patient satisfaction • Provider satisfaction • Service utilization • Knowledge/practice of patients • Cost • Efficiency • Equity • Coverage |

Additional coding themes for effectiveness studies

| Interventions | | | |
|---|--|--|------------------------------------|
| Clinician-targeted interventions | Patient-targeted interventions | Organizational/ systems level interventions | Multi-faceted interventions |
| <ul style="list-style-type: none"> • Training of providers • Educational outreach • Audit and feedback • Guidelines/Protocols • Checklists • Evidence-based medicine • Clinical decision support systems • Flowsheet • Supervision | <ul style="list-style-type: none"> • Public health education & promotion • Patient reminders • Screening tool | <ul style="list-style-type: none"> • External accreditation and quality improvement • Risk and safety management • Pay for performance schemes • Public scorecards and performance report • Regulatory and administrative measures • Retention and recruitment strategies • Quality Assurance | |

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|---|--|---|--|
| <ul style="list-style-type: none"> • Internal peer case reviews • Communication models | | <p>methods/programs</p> <ul style="list-style-type: none"> • Condition-specific management program • Specialty outreach program • Primary health care system/Reforms • Collaborative care program/model • Community-based interventions • Extended professional roles | |
| Outcomes | | | |
| Provider outcomes | Patient outcomes | Organizational outcome | Systems outcome |
| <ul style="list-style-type: none"> • Provider satisfaction • Provider competency • Provider motivation | <ul style="list-style-type: none"> • Clinical outcomes • Patient-reported outcomes • Patient satisfaction • Knowledge/practice of patients | <ul style="list-style-type: none"> • PHC performance • Documentation of care • Patient-provider interactions • Compliance to standards/guidelines • Safety • Patient-centered care | <ul style="list-style-type: none"> • Service utilization • Coverage • Access • Referrals • Cost of care • Equity |