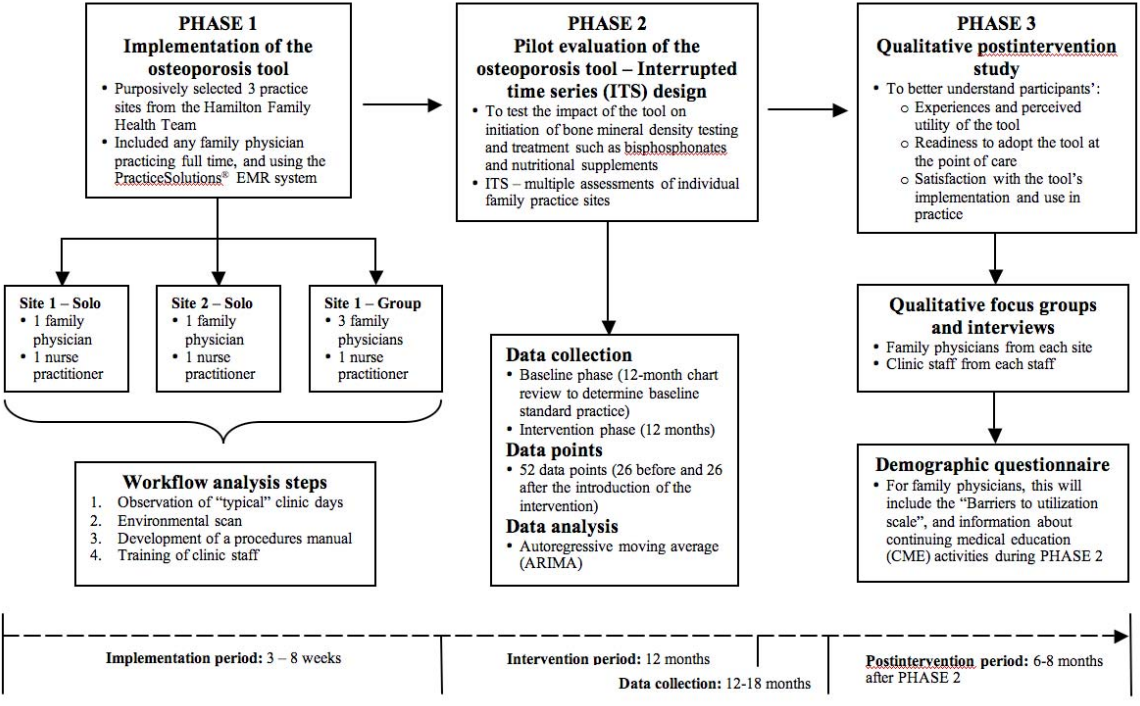
PHASE 1
Implementation of the osteoporosis tool
• Purposively selected 3 practice sites from the Hamilton Family Health Team
• Included any family physician practicing full time, and using the PracticeSolutions® EMR system
PHASE 2
Pilot evaluation of the osteoporosis tool – Interrupted time series (ITS) design
• To test the impact of the tool on initiation of bone mineral density testing and treatment such as bisphosphonates and nutritional supplements
• ITS – multiple assessments of individual family practice sites
PHASE 3
Qualitative postintervention study
• To better understand participants':
○ Experiences and perceived utility of the tool
○ Readiness to adopt the tool at the point of care
○ Satisfaction with the tool's implementation and use in practice
Site 1 – Solo
• 1 family physician
• 1 nurse practitioner
Site 2 – Solo
• 1 family physician
• 1 nurse practitioner
Site 1 – Group
• 3 family physicians
• 1 nurse practitioner
Data collection
• Baseline phase (12-month chart review to determine baseline standard practice)
• Intervention phase (12 months)
Data points
• 52 data points (26 before and 26 after the introduction of the intervention)
Data analysis
• Autoregressive moving average (ARIMA)
Qualitative focus groups and interviews
• Family physicians from each site
• Clinic staff from each staff
Workflow analysis steps
1. Observation of "typical" clinic days
2. Environmental scan
3. Development of a procedures manual
4. Training of clinic staff
Demographic questionnaire
• For family physicians, this will include the "Barriers to utilization scale", and information about continuing medical education (CME) activities during PHASE 2
Implementation period: 3 – 8 weeks
Intervention period: 12 months
Data collection: 12-18 months
Postintervention period: 6-8 months after PHASE 2