

Additional file 3. Study quality assessment tool adapted from Downs and Black combined with Newcastle-Ottawa Scale (NOS).

	Yes	No	Unable to determine
Reporting			
1. Was the research question or objective in this paper clearly stated?			
2. Was the study population clearly specified and defined?			
3. Are the interventions of interest clearly described?			
4. Are the main findings of the study clearly described?			
5. Have the negative and positive effects been reported?			
External validity			
6. Were the subjects asked to participate in the study representative of the entire population from which they were recruited?			
7. Were the places and facilities where the interventions were implemented representative of the setting for the majority of EHR usage?			
Internal validity – bias			
8. Were the outcome measures clearly defined, valid, reliable, and implemented consistently across all study participants?			
9. Were the statistical tests used to assess the main outcomes appropriate?			
Internal validity – confounding (selection bias)			
10. Were the participants in different intervention groups recruited from the same population?			
11. Were inclusion and exclusion criteria for being in the study pre-specified and applied uniformly to all participants?			