

Improvement Project Roadmap

1. Aim - To improve uptake of cervical screening in pregnant and recently pregnant women

Task	Driver	Status 1.Planned 2.In progress 3.Complete	Next Steps
Identify target population – all women aged >25 years when booking pregnancy (i.e. those eligible for screening at the point of booking pregnancy as invited from age 24.5y)	Team lead		
Identify which maternity units will be involved (as central place of pregnancy booking)	Team lead		
Collect prevalent ideas, guidelines, protocols and agreement on best practices based on as much evidence as possible to guide improvement – NHSCSP Document 20, qualitative data, ideas from stakeholder groups	Team lead / appropriate deputy		
Decide what to measure and how – screening status at booking (based upon last screen result) and 12-week postnatal; accuracy of booking information Interrogate local data systems / OpenExeter to generate baseline data to inform subsequent plan	Team Lead		
Develop a preliminary picture of how all the elements of the screening process work together to obtain the desired result (process map). Note the most important elements (driver diagram or other visual tool)	Team Lead / appropriate deputy		
Write a formal aim for the project. To improve the uptake of cervical screening in pregnant and recently pregnant women by% bydate.	Team Lead		

2. Develop an improvement strategy

Task	Driver	Status 1.Planned 2.In progress 3.Complete	Next Steps
Assemble your team. Assign roles to team members. Plan for meetings	Team lead		

<p>Make a plan for</p> <ul style="list-style-type: none"> - Data collection – in real time, where will the data come from, who will access it - Place data on the run chart - Review the run chart with each PDSA cycle performed - Share information about the improvement work with others - Collect more data add to the run chart and reassess with additional PDSA cycles 	Team Lead /appropriate deputy		
<p>Develop a tactical plan:</p> <ul style="list-style-type: none"> - Can you 'tackle' an easy part of the system first - How could you disseminate to a larger population if your improvement project is successful - Who are the key payers and decision makers for promoting / blocking improvement work - How can you encourage key players / decision makers to engage in the improvement project or support it 	Team Lead /appropriate deputy		

3. Develop and Pilot a reliable standard process of care

Task	Driver	Status 1.Planned 2.In progress 3.Complete	Next Steps
Get to know the current processes in detail. Use quality improvement tools to assess and visualise the processes to understand where changes could be made e.g. process maps, value stream maps, run charts, surveys	Team Lead /appropriate deputy		
Develop an initial process design for where changes could be implemented. Assess the local infrastructure and processes for women undergoing cervical screening	Team Lead /appropriate deputy		
Select which changes will be made and in which order and use PDSA cycles to undertake the changes	Team Lead /appropriate deputy		
Test the change and refine the design by starting with 1 event / change. Testing and refining changes is an iterative, continuous process using PDSA cycles.	Team Lead /appropriate deputy		

Which change was made and when, record this so that this information can be analysed against the run chart which helps assess if the change made a difference in the outcome measures			
Analyse the run chart data to assess if the changes are working and test additional changes through further PDSA cycles	Team Lead /appropriate deputy		
Track and document changes, tests, and results overtime	Team Lead /appropriate deputy		
Coach and support staff on PDSA testing and problem identification. If staff are orientated towards quality improvement and have awareness of the methodology used the project is more likely to be successful	Team Lead /appropriate deputy		
Provide regular feedback to the stakeholders involved in the improvement project +/- any sponsor	Team Lead /appropriate deputy		
When analysis has shown that the change is making a sustained improvement began planning for implementation (making the change permanent) Conversely If any changes result in worse outcomes need to de-implement the change.	Team Lead /appropriate deputy		

4. Implement the standard care process, monitor performance

Task	Driver	Status 1.Planned 2.In progress 3.Complete	Next Steps
Ensure that new, successful standard processes are truly adopted in the local system, units, or practice sites	Team Lead / appropriate deputy and lead for each site		
Develop a regular system for continuous measurement and feedback on key results - sufficient time for this must be allocated and a key person responsible e.g. improvement department - named individual	Team Lead / appropriate deputy and lead for each site		

Consider how to spread or scale up successful processes to all sites, providers, patients; identify required resources and support processes Question if modifications were required to fit specific sites/providers etc. to allow the change to be embedded	Team Lead / appropriate deputy and lead for each site		
Embed new standard processes in the local system: training, job descriptions, support processes - create the new normal	Team Lead / appropriate deputy and lead for each site		
Review and repeat to step 3 (spread and scale up successful processes) for continuous improvement	Team Lead / appropriate deputy and lead for each site		

5. Spread the new standard throughout the system

Task	Driver	Status 1.Planned 2.In progress 3.Complete	Next Steps
Develop a communication and dissemination plan e.g. social media, paper communication, involve the communications team for ideas and what has worked successfully in the past. Look at local and national dissemination	Team Lead /appropriate deputy		
“Package” content for easy implementation by new teams, sites What were the key changes that other teams could adapt to work in their locality	Team Lead /appropriate deputy		
Spread to additional sites, monitor adoption and performance Is it feasible to collect and analyse data from a number of units / on a larger scale	Team Lead /appropriate deputy		

Based upon IHI Roadmap [39]

<http://www.ihl.org/resources/Pages/Tools/ImprovementProjectRoadmap.aspx>