HIN 2023 CVD Fellowship Quality Improvement Workshop Welcome!







Welcome, Housekeeping and Aims of the day

Housekeeping

Table allocation

Aims of the day

- Learn a range of quality improvement methodologies, to be used as part of your CVD projects and beyond
- Network and meet primary care colleagues from primary care across south London



Agenda

The QI training is supported via a Daiichi-Sankyo grant

Time	Item		
9:30 - 9.45	Arrival and Registration		
9.45 - 10.00	Welcome - Introduction and outline of the day		
10.00 - 10.30	Liberating structure - Getting to know each other		
10.30 - 11.15	Data and defining a problem statement Intro to QI & your projects Problem statements and sources of data		
11.15 - 11.30	Break		
11.30 - 12.30	Developing an aim Identify a target group and writing a SMART aim Process mapping / journey mapping		
12.30 - 1.15	Lunch		
1.15 - 2.30	Developing a plan - PDSA game - Stakeholder mapping - Planning your project		
2.30 - 2.45	Break		
2.45 - 3.25	Measuring and tracking your project Process vs outcome measures What a run chart / statistical process control chart is		
3.25 - 3.50	Paired feedback - Present to another table		
3.50 - 4.00	Next steps and close		

Meet other Fellows



Mad Hatters Tea Party *Etiquette*

- 1) You're going to be given a sentence
- 2) Finish each of the sentences with one a short phrase
- 3) Stay curious, dig deep
- 4) Don't over think it's quick fire
- 5) There are no right or wrongs!
- 6) Switch roles 1 ding
- 7) Find someone new at 2 dings



If I had an extra 5 hours a week, I would...?



I have chosen the clinical area for my project because...?



My favourite thing about the area of south London I work in is...?



1, 2, 4, all

- Reflect individually
- Discuss in a pair (2 mins)
- Discuss in a group of four (4 mins)
- All discuss common themes as a group



1, 2, 4, all

What I'm hoping to get out of the Fellowship is...?



What is quality improvement?



What is quality improvement?

Yale – 8 Steps of Strategic Problem Solving

- 1. Define the problem
- 2. Set a SMART objective
- 3. Conduct a Root Cause Analysis
- 4. Develop Alternative strategies
- 5. Compare possible strategies
- 6. And select one!
- 7. Create an implementation plan
- 8. Create an evaluation plan

Develop a shared understanding of the problem

Move systematically toward a solution

Execute

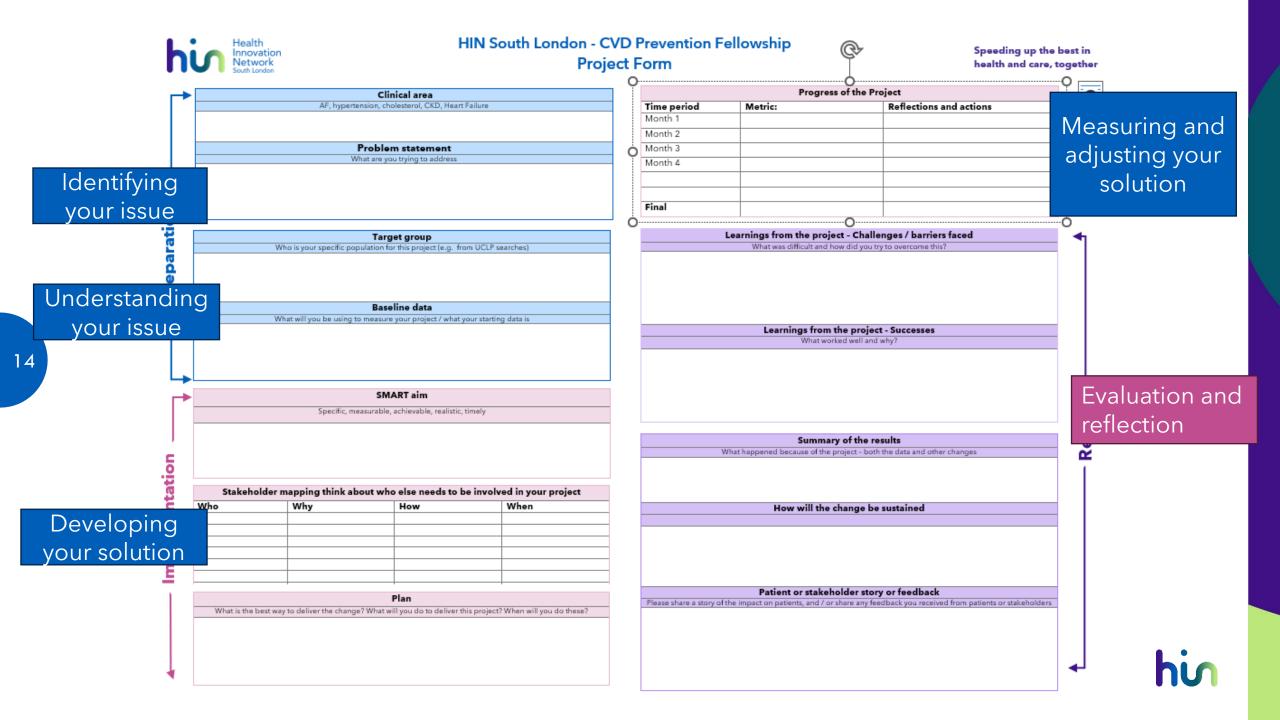


What is quality improvement?

Or simplified even further:

- Identifying an issue
- Understanding the problem through reviewing data
- Developing a "theory of change" developing ideas for solution
- Implementing your solution —measuring and adjusting your solution as you go





Improvement Collaborative Sessions

- Clinical area
- Problem statement
- Target group
- Baseline data

Improvement collaborative session 1 10th October 2023

Improvement collaborative session 2 14th November 2023

- SMART Aim
- Stakeholder mapping
- Project plan

- Progress of project
- Measuring and tracking

Improvement collaborative session 3 12th December 2023

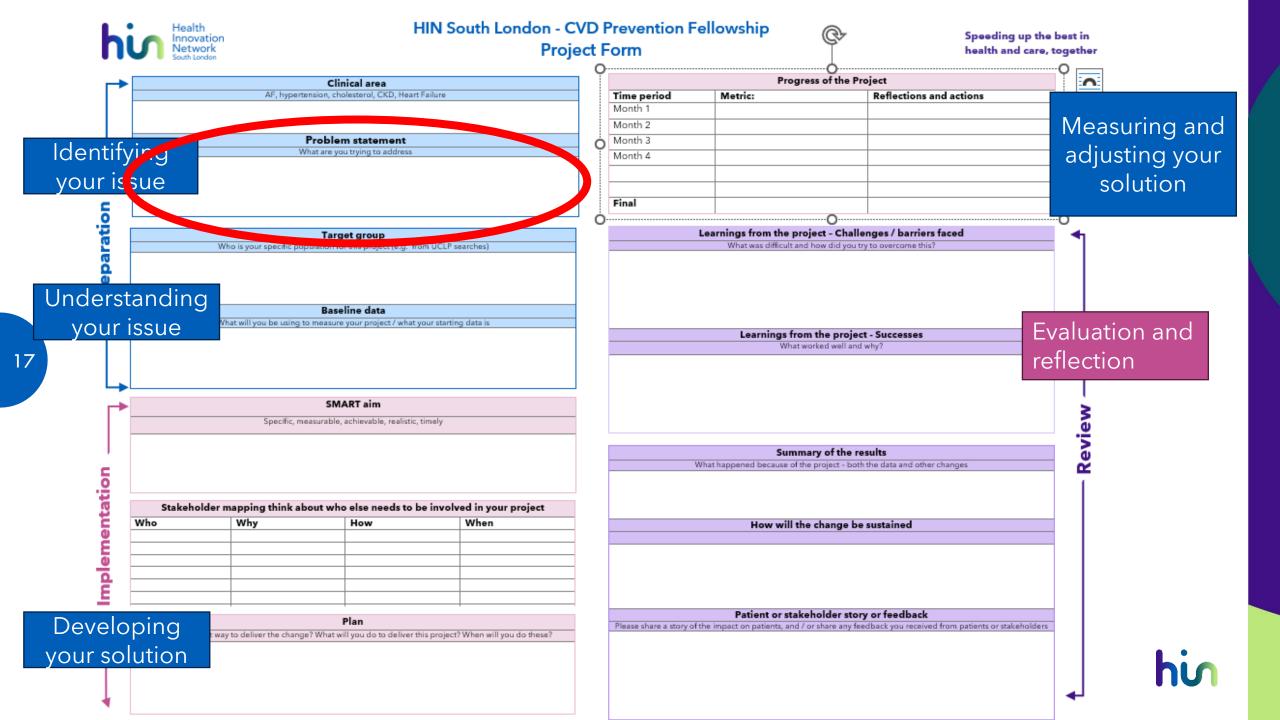
Improvement collaborative session 4 9th January 2024

- Learnings
- Summary of results
- Maintaining the change



Defining your problem





Defining your problem



Where do you start?



What does a good problem statement look like?

- Focuses on one problem
- Based on facts / data
- Does not include suggested solutions
- Concise and clear language

Example: We have a large number of patients aged 18 and over with GP recorded hypertension, who have not had a blood pressure reading within the preceding 12 months



How do you define your problem?

- Look at data!
 - We have lots in healthcare!
 - Think about qualitative and quantitative sources?
- Then there are techniques you can use to break that down further root cause analysis to understand what is driving the problems
 - Fishbone diagrams
 - 5 whys
 - Process and journey mapping
- These root cause analysis techniques can help you take your problem statement and start developing a clear aim and think about potential solutions



Data to help you understand your problem

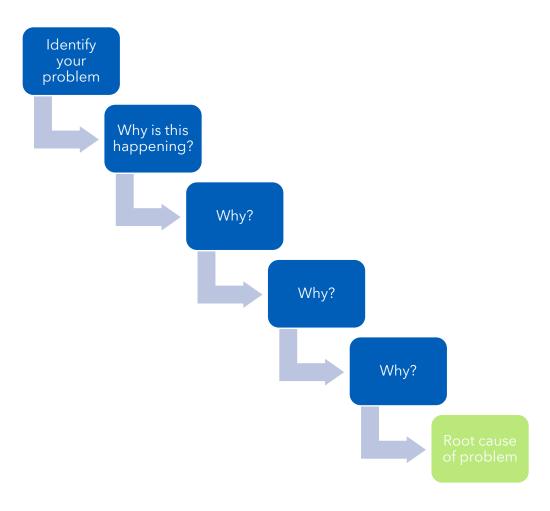
- HIN Fellowship Data Dashboard
- CVD Prevent
- QOF data
- UCLP searches
- Eclipse data (primarily SWL practices)
- Other searches
- Other local dashboards ie Hypertension Dashboard for SEL
- Searches available locally ie your practice or PCN may have some
- Feedback from patients & colleagues



A very brief look at root cause analysis techniques...



5 Whys?



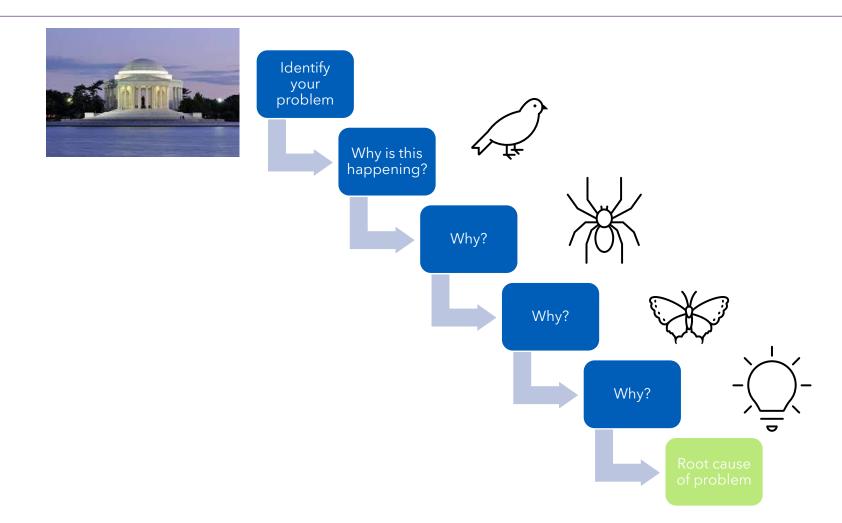


The Jefferson Memorial example



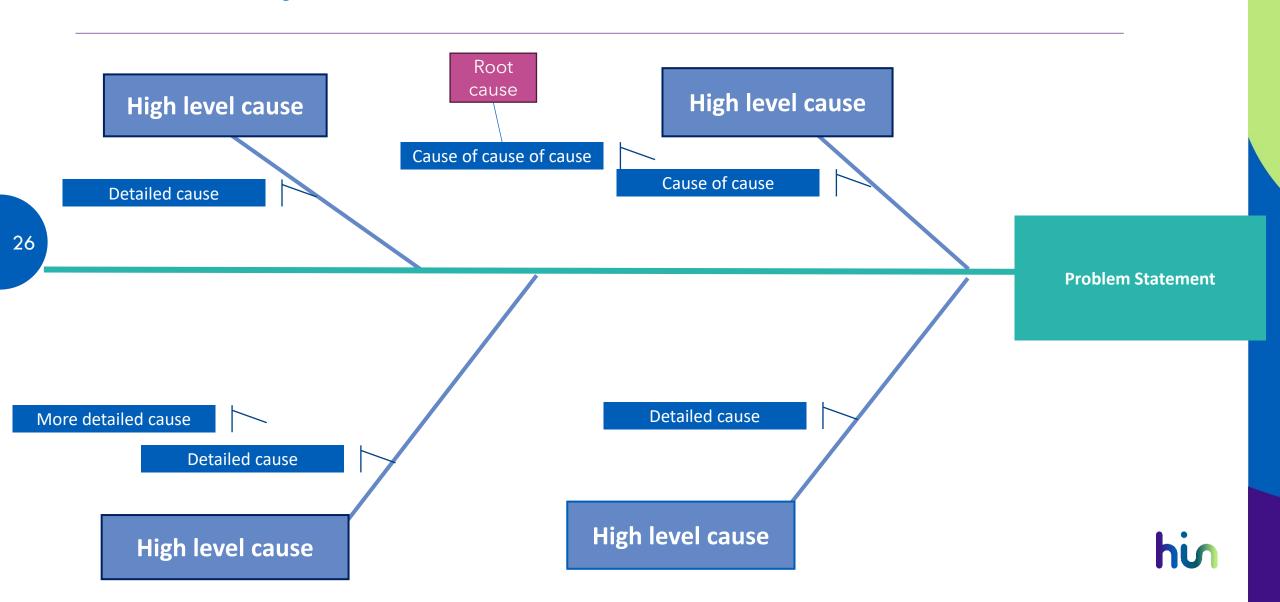


5 Whys?





Fishbone Diagrams



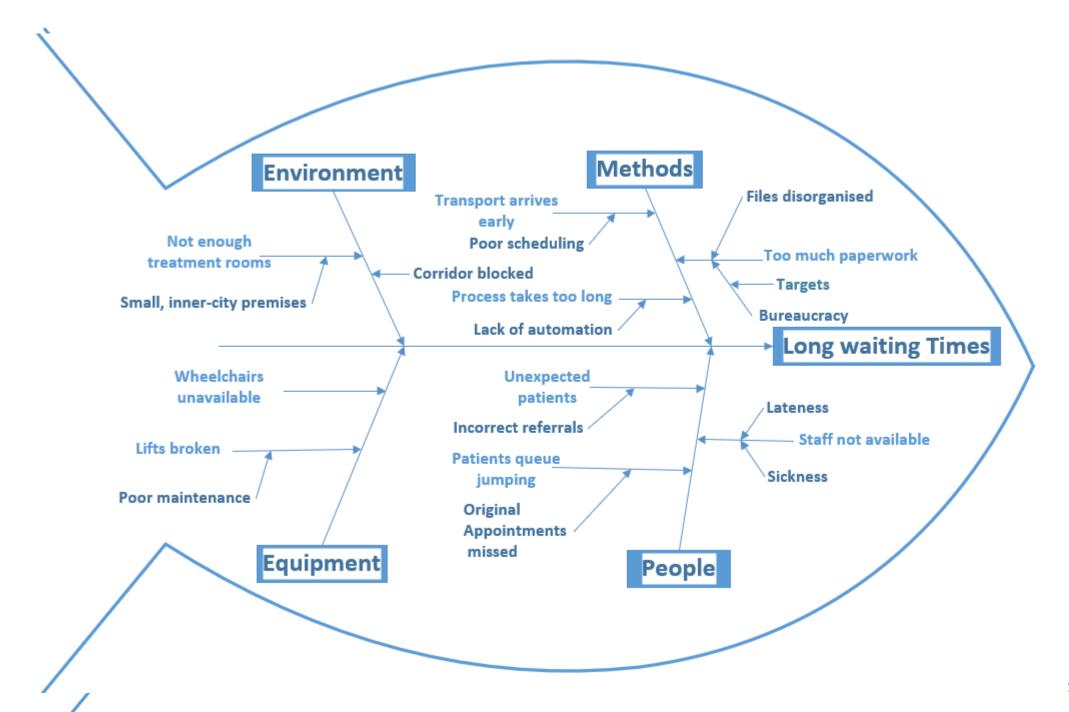


Table exercise – Problem Statement

- Look at the data on your table
- For your clinical area think about what are the "problems" you may wish to fix
- Develop a problem statement for your sample project
- If time think about why that may be happening (using 5 whys or fishbone)

Problem statement

What are you trying to address



Break (15min) Talk to three people you haven't yet met (and enjoy tea & coffee)

Identifying baseline data and target group Developing your SMART aim





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	Clinical area AF, hypertension, cholesterol, CKD, Heart Failure		
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		Problem staten	
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	How will the	change be sustained		
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Please share a story of	the impact on patients, and / o	r share any feedback you received from patients	or stakeholders	

Problem statement

• We have a large number of patients aged 18 and over with GP recorded hypertension, who have not had a blood pressure reading within the preceding 12 months

Target group

 People over 18 on hypertension register who have not had a BP reading within the preceding 12 months

Baseline data

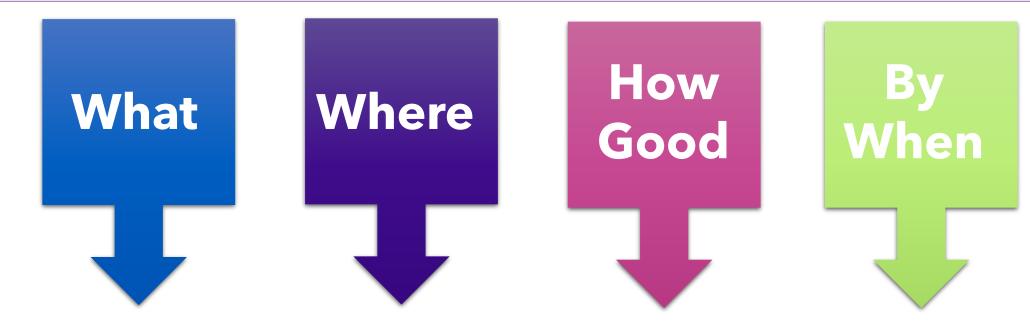
• We have 500 people on our hypertension register who have not had a blood pressure reading within the preceding 12 months



SMAR

Specific Measureable Relevant **Time-bound Achievable** Include a Include a Be specific Link your Set a about what aim to timeframe realistic measurement that will for your the trust's target, you want to improve make sure it evidence project strategic is achievable aims improvement

Setting a SMART aim for your project



Reduce the number of patients on the hypertension register w/o a BP reading in the last 12 months

at Springland Practice

by 10% (Or by 50 patients)

by January 2024



Table excercise - SMART AIM

- In your groups, identify the baseline data & target group for your sample project
- Set a SMART aim for your sample project WHAT, WHERE, HOW GOOD, BY WHEN

Target group
Who is your specific population for this project (e.g. from UCLP searches)
Baseline data
What will you be using to measure your project / what your starting data is
SMART aim
Specific, measurable, achievable, realistic, timely



Process Maps & User Journeys a useful tool



Process Maps & User Journeys

Help you to look at a process and identify -

- What happens at the moment?
- What do we know? What don't we know?
- Who is involved at each stage?
- How do people experience each stage?
- How well does it work? Where are the opportunities for improvement?
- What do you want to / need to change? What impact do you hope that will have?
- What will those changes look like? Planning stage
- Try this out PDSA Cycle

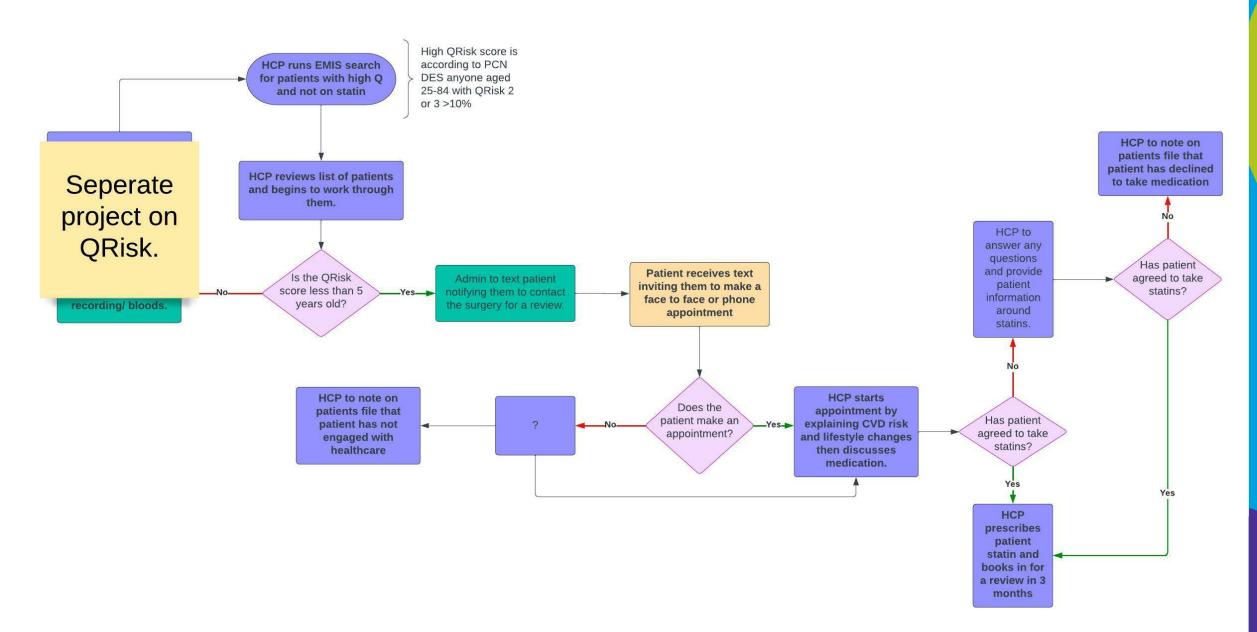


To note....

These are helpful tools but not something you have to do



Process Map



Persona for User Journeys

Who?



Vanessa, 50 years old, female, lives in Southwark.

Works full time as a designer, often working overtime.

Enjoys cooking, socialising, & plants. Is always very busy, struggles to find time to exercise.

Dx with high blood pressure & high cholesterol 3 years ago. Worried about what she's heard about the medications so has avoided them. Hasn't taken her blood pressure in a long time as very anxious it'll be too high.

Not very digitally literate.



Vanessa receives a text saying they need to submit a BP reading

Vanessa borrows a monitor from neighbour and takes a reading Vanessa calls GP practice to submit reading and can't get through Vanessa walks by GP and pops in - there's a monitor in the reception so takes a reading

Action by staff - sent text saying patients need to submit a BP reading using a link

Staff feeling / experience -

Touchpoint with patient -Patient receives a text from GP Surgery

Patient feeling / experience - ?

Opportunities - Have patients help shape text messages to ensure Vanessa is as likely as possible to read & respond Action by staff - None

Staff feeling / experience -Touchpoint with patient - None

Patient feeling / exerpience -Unsure that they are doing this correctly; Not sure what the numbers mean; Anxious

Opportunities - ?

Anxious - what is the reading mean? Is this right?

Action by staff - Answering large no. calls

Staff feeling / experience - ?

Touchpoint with patient - Patient calling

Patient feeling / exerpience - Frustrated they cannot get through

Opportunities - ?

Frustrated, gives up Action by staff - Welcomes patient in

Staff feeling / experience -Gets a moment to chat to Vanessa; Glad Vanessa looks relieved

Touchpoint with patient Reception explains monitor;
receives reading; gives leaflet
explain the reading; makes
appt for hypertension / lipid
review

Patient exerpience - Relieved to speak to staff; happy to get an appointment and information.

Opportunities - ?

Relieved to talk to someone and get information & appt

(3

LUNCH — ENJOY!



Welcome back



Agenda for the afternoon....

- 1. PDSA Trying it in action
- 2. Stakeholder mapping
- 3. Planning your project
- 4. Break (approx. 2.30)
- 5. Measuring and tracking your project
- 6. Sharing your projects
- 7. What next, and Wrap Up





Plan

•Do

StudyAct



- •Get into **new** groups of 6 people with as many new people as possible
- •Introduce yourselves quickly



- In 30 seconds come up with a group name
- Write your group name on 1 coloured pieces of paper

Then...

- As a group build ONE paper airplane using the coloured paper the object is for it to fly as far as possible in a straight line
- You have 3 minutes (no papercuts please...)



- •Flying time (round 1)!
- One person come forward from each group to fly the plane
- Have everyone in the group record how far and how straight the plane flew (score 1-5)



- As a group What worked well? What didn't?
 How can you improve your plane?
- Refine your plane or build a new plane object is for it to fly further and straighter (you hope...)
- You have 4 minutes in total!



- •Flying time (round 2)!
- One person come forward from each group to fly the plane
- Have everyone in the group record how far and how straight the plane flew (score 1-5)



- As a group What worked well? What didn't? How can you improve your plane?
- Refine your plane or build a new plane object is for it to fly further and straighter (you hope...)
- You have 4 minutes in total!

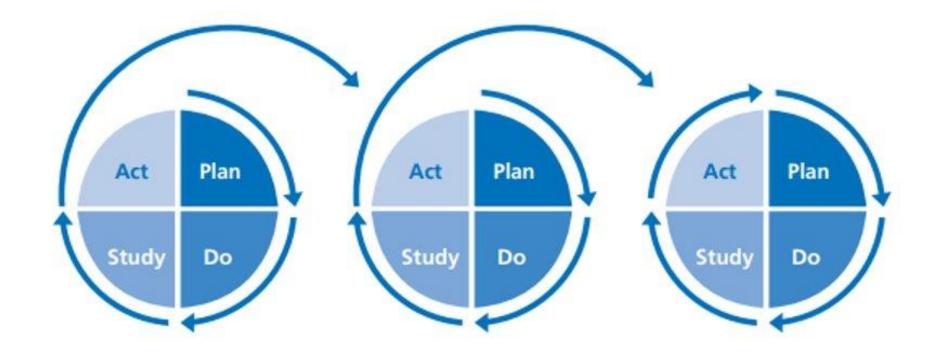


- •Flying time (round 3)!
- One person come forward from each group to fly the plane
- Have everyone in the group record how far and how straight the plane flew (score 1-5)



- Plan Planned what you were going to do
- Do Built / refined and flew the plane
- Study Looked at the data and how it compared to previous flights / Observed colleagues / Googled improvements
- Act Decided what changes were needed to improve





- Plan To invite patients to take a reading at home, or use the new BP monitor you've placed in the waiting room
- Do Invite 20 patients to take a reading at home and submit it via text, or come in for a reading
- Study Record how many submit readings and how; Observe no one submitted via text - find out why (discover link didn't work)
- Act Refine text message; Fix texting issue
- Repeat PDSA process

Stakeholder Mapping (be sure you are back with your project table)





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Stakeholder Mapping For Your Project – The Who

Part of the planning stage

Helps to improve project delivery, gather insights, gain buy in, and manage expectations

- Who is involved already?
- Who else do you need to involve?
- Who is or will be impacted?
- Who could be influential?
- Who else can help you?





Stakeholder Mapping For Your Project

- Is there anyone you think may struggle to engage or support you – whom you need on board?
 - What might be their worries?
 - Other priorities?
 - Obstacles?
 - What are their wants / needs?
 - What would success look like to them?
 - What matters to them?
 - Who influences them?



Photos - Claudio Caridi



Table exercise – Stakeholder mapping

As a group – plan out the stakeholders for your project

- Who is involved in the project?
 Who do you need to involve?
- Who is impacted?
- Who could be influential?

- Why do they need to be involved?
- How will you involve them?
- When will you involve them if you haven't already?

Stakeholder mapping think about who else needs to be involved in your project					
Who	Why	How	When		



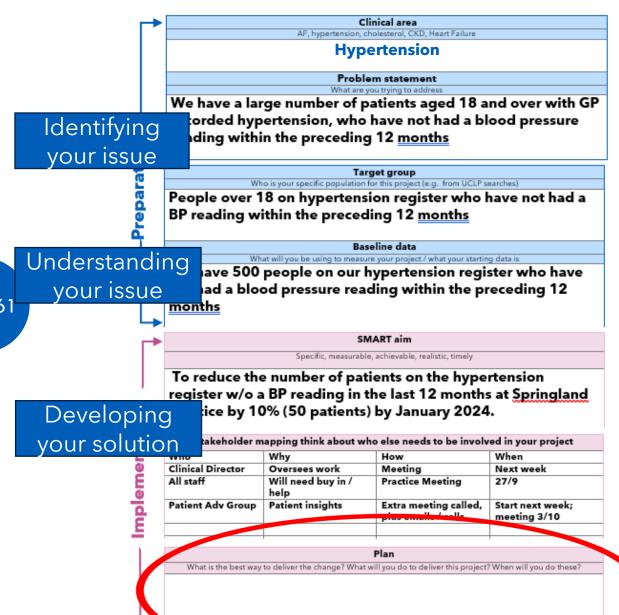
Planning Your Project





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Planning your project

By this point you have already...

- 1. Identified what the problem is using data and other evidence (ie staff and patient feedback) to identify this.
- 2. Gather baseline data ie from searches
- 3. Identified your target area / group for the project
- 4. Set a SMART AIM
- 5. Identified where changes could be made
- 6. Identified who the stakeholders are, including thinking through who in your practice needs to be

You may have used root cause analysis, processes maps and / or user journeys to understand your problem in more detail



Example project plan

Your plan might look like...

- 1. Text or call patients in target groups for an up to date BP reading, ie test at home, come in to use the machine in the waiting room, or make appt invite them in 10 per PDSA cycle (Admin team, Sept Nov 2023)
- 2. Update records and coding for patients with up to date test results (???, October 2023)
- 3. Where needed invite patients in for review (Clinicians, October Dec 2023)
- 4. Compare progress to aim look at what is working well and what could be further improved. (whole team, monthly)
- 5. Rerun the cycle with next 10 patients ie change text language, call instead of text, call at a new time of day, suggest Community Pharmacy option (PDSA cycle).



Table activity - plan your sample project

- What will you do at each stage?
- Who will do this?
- When?

Plan

What is the best way to deliver the change? What will you do to deliver this project? When will you do these?



Break time / Cake time!



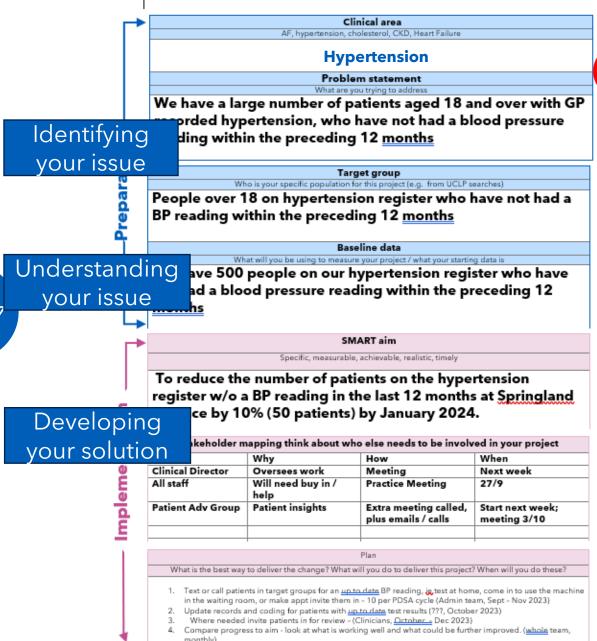
Measuring and tracking your project





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suggest Community Pharmacy option (PDSA cycle).

Rerun the cycle with next 10 patients is change text language, call instead of text, call at a new time of day,

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Why measure

All improvement will require change, but not all change will result in improvement

- Ensure there is an improvement
- PDSA study the impact of the change
 - Decide what works and what doesn't
- Demonstrate improvement
- Share the success





Process Measures

Outcome Measures

Reflect the way the system and processes work to deliver the outcome

- The number of patients you reviewed
- The number of new prescriptions
- The % increase in appointments

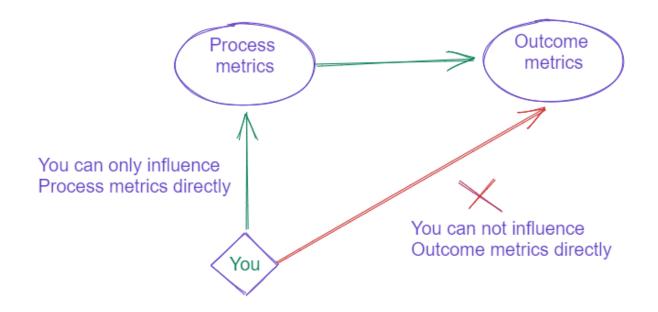
Reflect the impact on the patient and show the result of the improvement work

- The number of patients who have a reduction in their blood pressure
- Number of new cases AF found
- The number of patients with a QRisk reduction of >20%



Process Measures

Outcome Measures





Balancing measures or counter measures

These are the metrics you can track to ensure an improvement in one area isn't negatively impacting another area

- Is focusing on the highest QRisk patients negatively impacting the middle risk patients?
- Is increasing home blood pressure measurements reducing a group of patients checking their blood sugar level?



Table activity - deciding your measures

- In your groups, identify all the possible process and outcome measures that could be relevant to your project
- Discuss if any are not realistic to measure as part of the project
- Decide on which would best measure success



Barriers to measurement

- Time consuming
- Can be difficult when completed retrospectively
- Association vs causation
- Confounding





Collecting data

Things to consider

- Existing targets
- How you collect the information
- What you track
- How you track it



Qualitative feedback

- Gives a patient voice
- Useful in addition to quantitative information to tell a story
- You may use;
 - Surveys
 - Interviews
 - Feedback requests

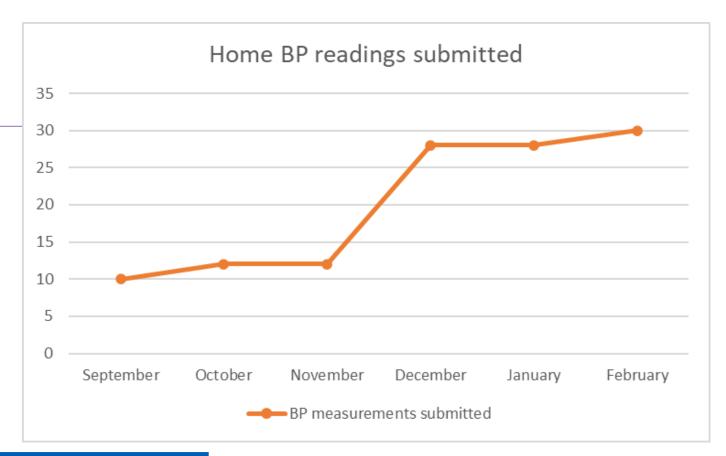
Please share a story of the impact on patients, and / or share any feedback you received from patients or stakeholders

Patient or stakeholder story or feedback



Simple Run Chart

- The constant will be on the X axis usually time
- The Y axis is your variable usually the count

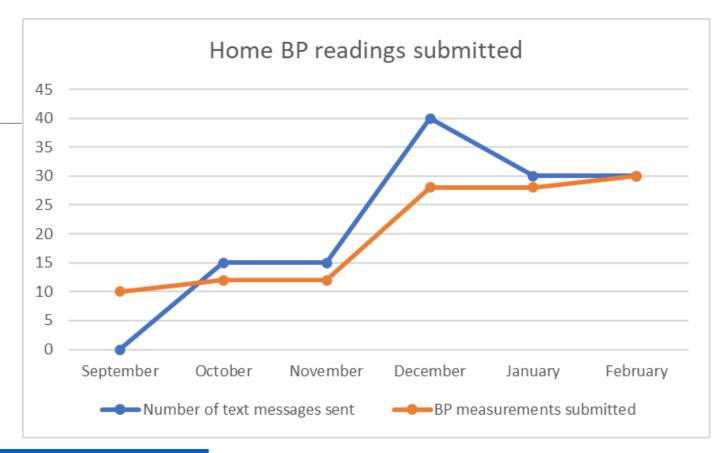


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September		0		10
October		15		12
November		15		12
December		40		28
January		30		28
February		30		30



Simple Run Chart

- The constant will be on the X axis usually time
- The Y axis is your variable usually the count



Number of text messages sent			
	0		10
	15		12
	15		12
	40		28
	30		28
	30		30
		messages sent 0 15 15 40 30	messages sent 0 15 15 40 30



Simple Run Chart

- Process measures shown as a bar graph
- Outcome measure displayed as a line graph

Months	Appointments	Controlled BP
1	0	0
2	1	0
3	4	1
4	8	3
5	3	3
6	7	5

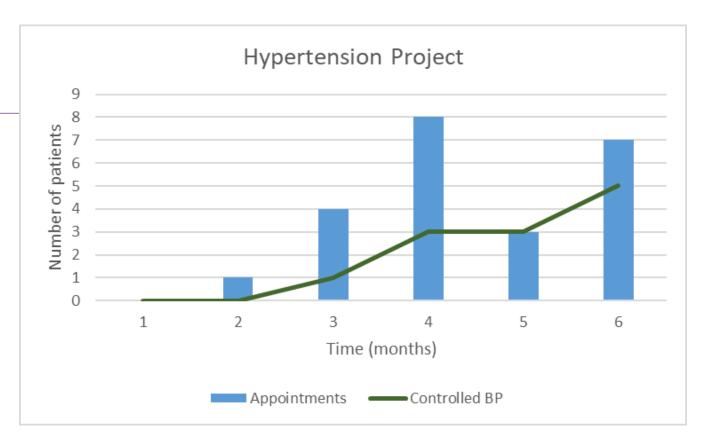
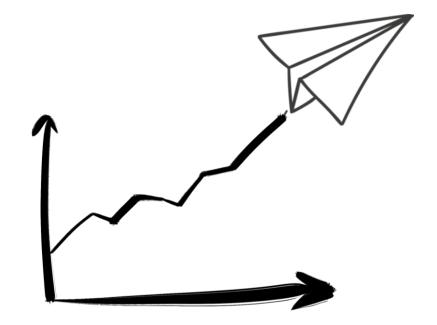




Table activity - creating a run chart

- In your groups use the results of your paper plane PDSA game to create a run chart
- Did your iterations improve or worsen the flight of the paper plane?





Sharing Your Projects



Table Activity - Sharing your projects

- Nominate someone to talk through your project
- Join up with the other table covering the same clinical area
- Share about your project you have 5 minutes
- Other group you have 5 minutes to.
 - ask questions
 - share thoughts on what you think is fabulous about the project
 - note any challenges you foresee
- Swap over



What's next?



Improvement Collaborative Sessions

- Clinical area
- Problem statement
- Target group
- Baseline data

Improvement collaborative session 1 10th October 2023

Improvement collaborative session 2 14th November 2023

- SMART Aim
- Stakeholder mapping
- Project plan

- Progress of project
- Measuring and tracking

Improvement collaborative session 3 12th December 2023

Improvement collaborative session 4 9th January 2024

- Learnings
- Summary of results
- Maintaining the change



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Feedback time!

