



Showcase for Hopkins Inquiry and Nursing Excellence

SHINE

Conference **2023**

To EBP or not to EBP

Presented by: Maddie Whalen, MSN/MPH, RN, CEN,

April 17-19, 2023



JOHNS HOPKINS
NURSING

Poll Everywhere

Objectives

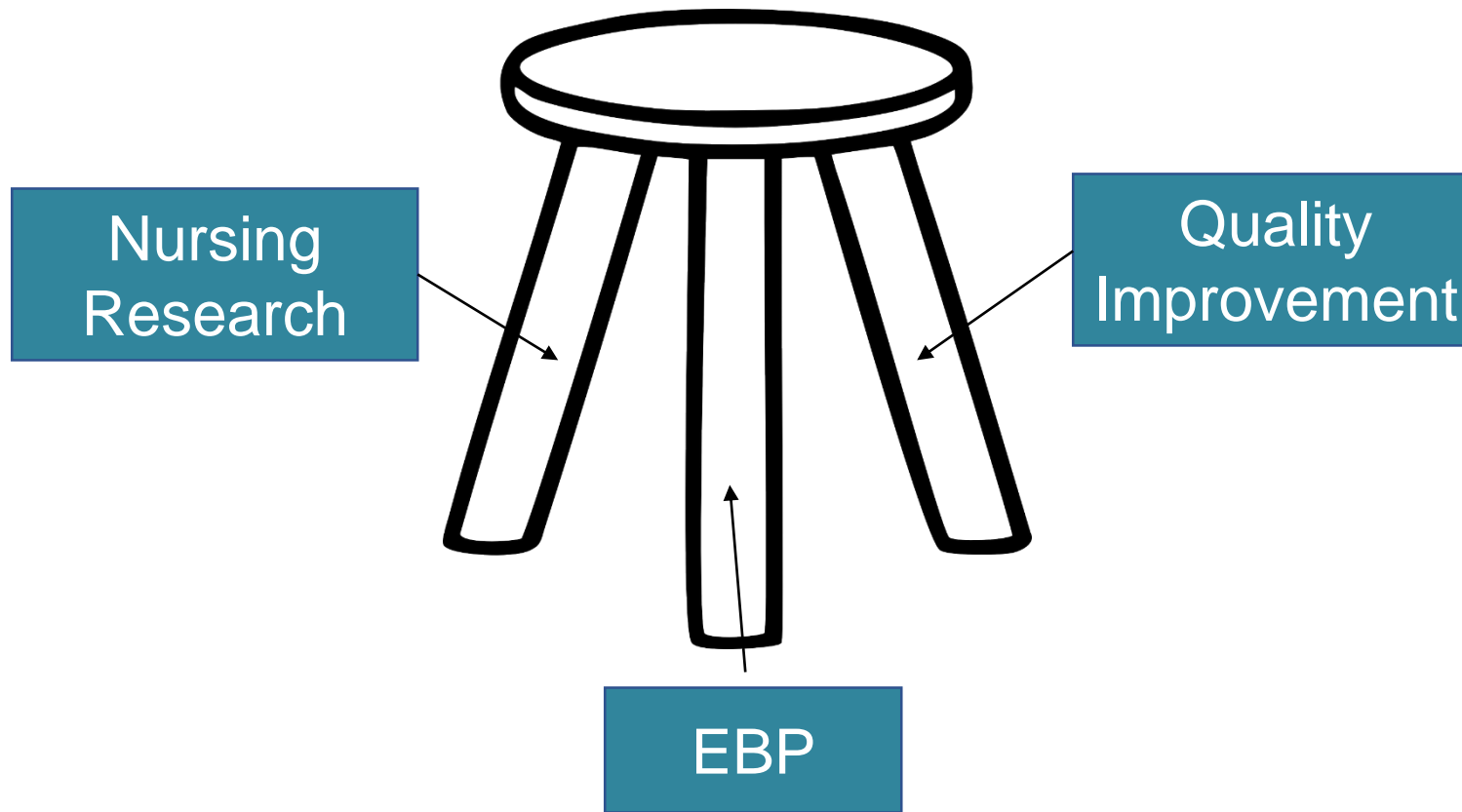
- Review the differences between EBP, QI and research
- Discuss the process for determining if an EBP project is necessary
- Review resources for determining established best practices

Before we start...

- Evidence-Based Practice (EBP)
- Quality Improvement (QI)



The 3 Forms of Nursing Inquiry



The 3 Forms of Nursing Inquiry

Definitions

- Evidence-Based Practice: Evidence Based Practice (EBP) is a problem-solving approach to clinical decision-making within a healthcare organization. EBP integrates the best available scientific evidence with the best available experiential (patient and practitioner) evidence.
- Quality Improvement: Quality Improvement (QI) is a process to improve healthcare services, systems, and processes at the local level (i.e. unit, department, organization) with the intent to improve outcomes.
- Research: Research is a systematic investigation (quantitative, qualitative, or mixed-methods) designed to develop uncover, create, or contribute to new knowledge that can be generalized for broader application.

The 3 Forms of Nursing Inquiry

Definitions

- Evidence-Based Practice: Evidence Based Practice (EBP) is a problem-solving approach to clinical decision-making within a healthcare organization. EBP integrates the best available scientific evidence with the best available experiential (patient and practitioner) evidence.
- Quality Improvement: Quality Improvement (QI) is a process to improve healthcare services, systems, and processes at the local level (i.e. unit, department, organization) with the intent to improve outcomes.
- Research: Research is a systematic investigation (quantitative, qualitative, or mixed-methods) designed to develop uncover, create, or contribute to new knowledge that can be generalized for broader application.

The 3 Forms of Nursing Inquiry

Definitions

- **Evidence-Based Practice:** Evidence Based Practice (EBP) is a **problem-solving approach** to clinical decision-making within a healthcare organization. EBP integrates the **best available scientific evidence** with the best available experiential (patient and practitioner) evidence.
- **Quality Improvement:** Quality Improvement (QI) is a process to improve healthcare services, systems, and processes at the local level (i.e. unit, department, organization) with the intent to improve outcomes.
- **Research:** Research is a systematic investigation (quantitative, qualitative, or mixed-methods) designed to develop uncover, create, or contribute to new knowledge that can be generalized for broader application.

The 3 Forms of Nursing Inquiry

Definitions

- Evidence-Based Practice: Evidence Based Practice (EBP) is a problem-solving approach to clinical decision-making within a healthcare organization. EBP integrates the best available scientific evidence with the best available experiential (patient and practitioner) evidence.
- **Quality Improvement:** Quality Improvement (QI) is a **process to improve** healthcare services, systems, and processes at the **local** level (i.e. unit, department, organization) with the intent to improve **outcomes**.
- Research: Research is a systematic investigation (quantitative, qualitative, or mixed-methods) designed to develop uncover, create, or contribute to new knowledge that can be generalized for broader application.

The 3 Forms of Nursing Inquiry

Definitions

- Evidence-Based Practice: Evidence Based Practice (EBP) is a problem-solving approach to clinical decision-making within a healthcare organization. EBP integrates the best available scientific evidence with the best available experiential (patient and practitioner) evidence.
- Quality Improvement: Quality Improvement (QI) is a process to improve healthcare services, systems, and processes at the local level (i.e. unit, department, organization) with the intent to improve outcomes.
- **Research**: Research is a **systematic** investigation (quantitative, qualitative, or mixed-methods) designed to develop uncover, create, or contribute to **new knowledge** that can be **generalized** for broader application.

The 3 Forms of Nursing Inquiry

Definitions



Evidence-Based Practice: What does the evidence tell us?



Quality Improvement: We know what works, now let's make it work for us



Research: There is not enough evidence for us, so let's try something new and see if it works

The 3 Forms of Nursing Inquiry

Definitions

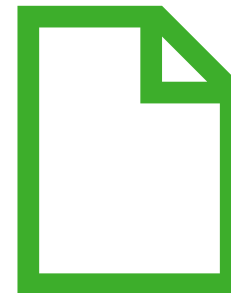
Evidence-Based Practice: KNOW



Quality Improvement: NOW

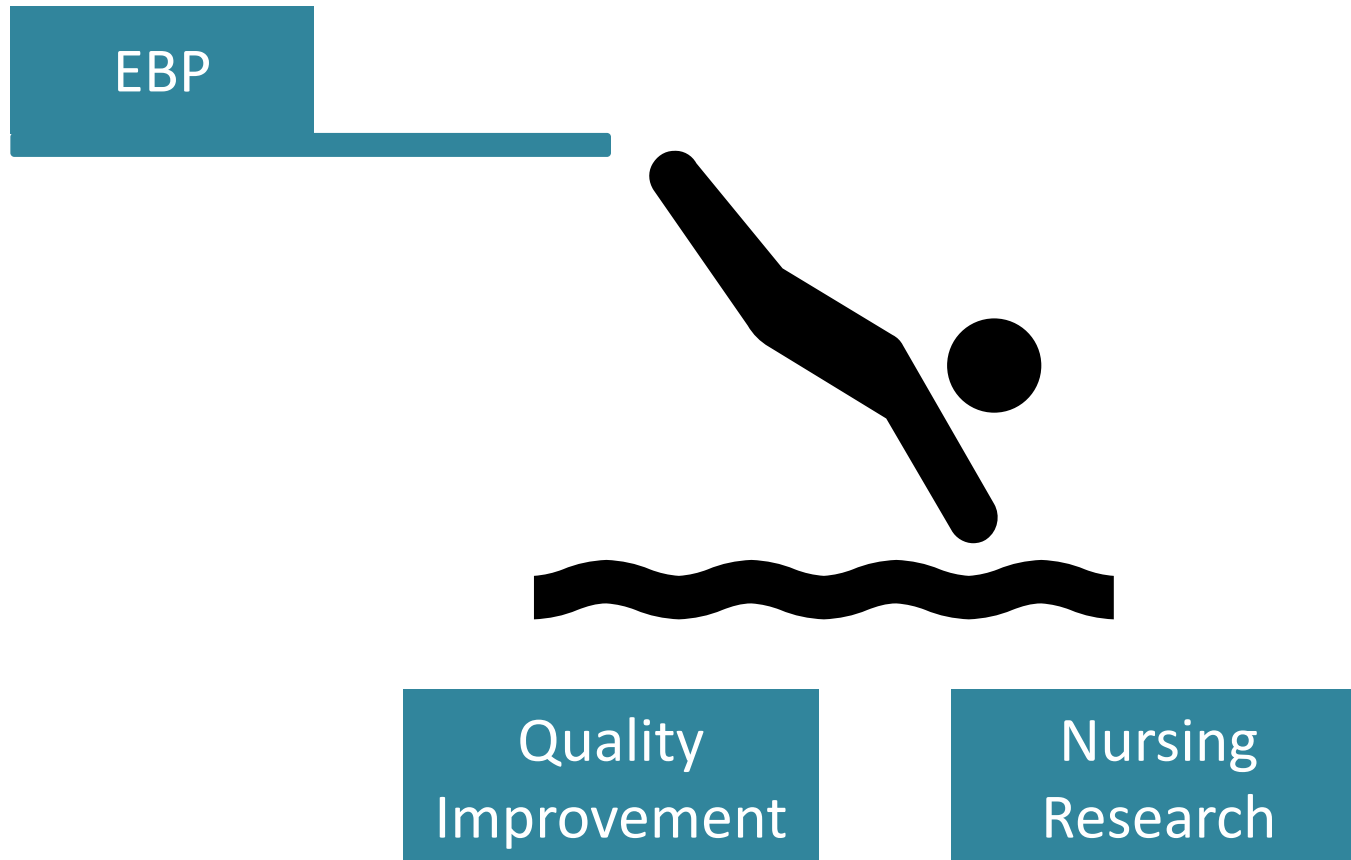


Research: NEW



The 3 Forms of Nursing Inquiry

Summary



Name that Inquiry!

- Nurse Miguel is curious how the pandemic has affected the lived experiences of new graduate nurses who had shortened clinical rotations in school. They would like to explore the perceptions of these nurses, as well as their managers regarding their readiness for clinical practice. This is an example of...

Research

Name that Inquiry!

- When administering a sepsis bundle, Nurse Pia has been taught to administer each antibiotic one at a time. They have noticed this can lead to medication delays, especially when antibiotics aren't compatible with other infusing medications. They wonder why this is current practice and if there might be a better way. This is an example of...

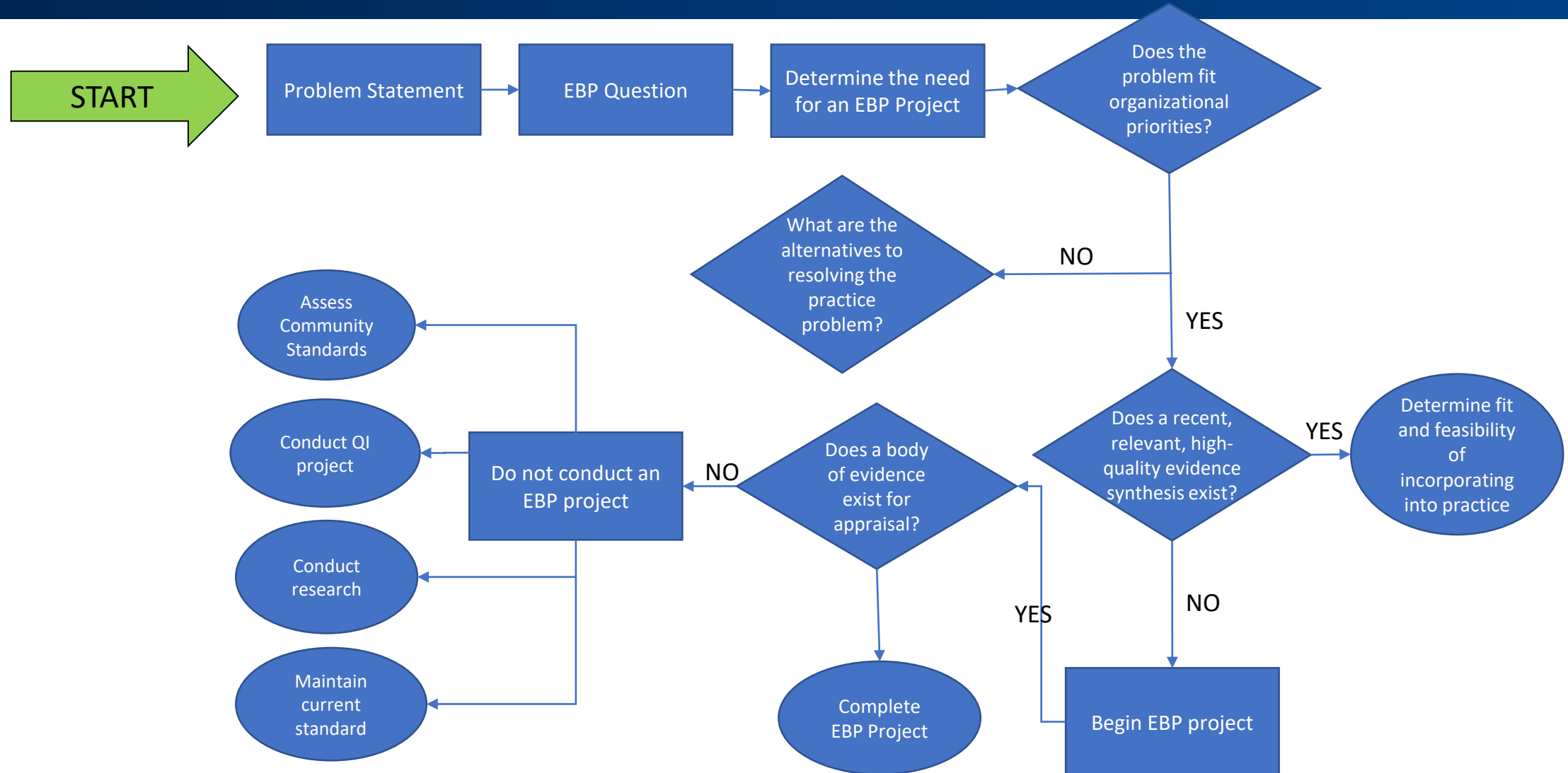
EBP

Name that Inquiry!

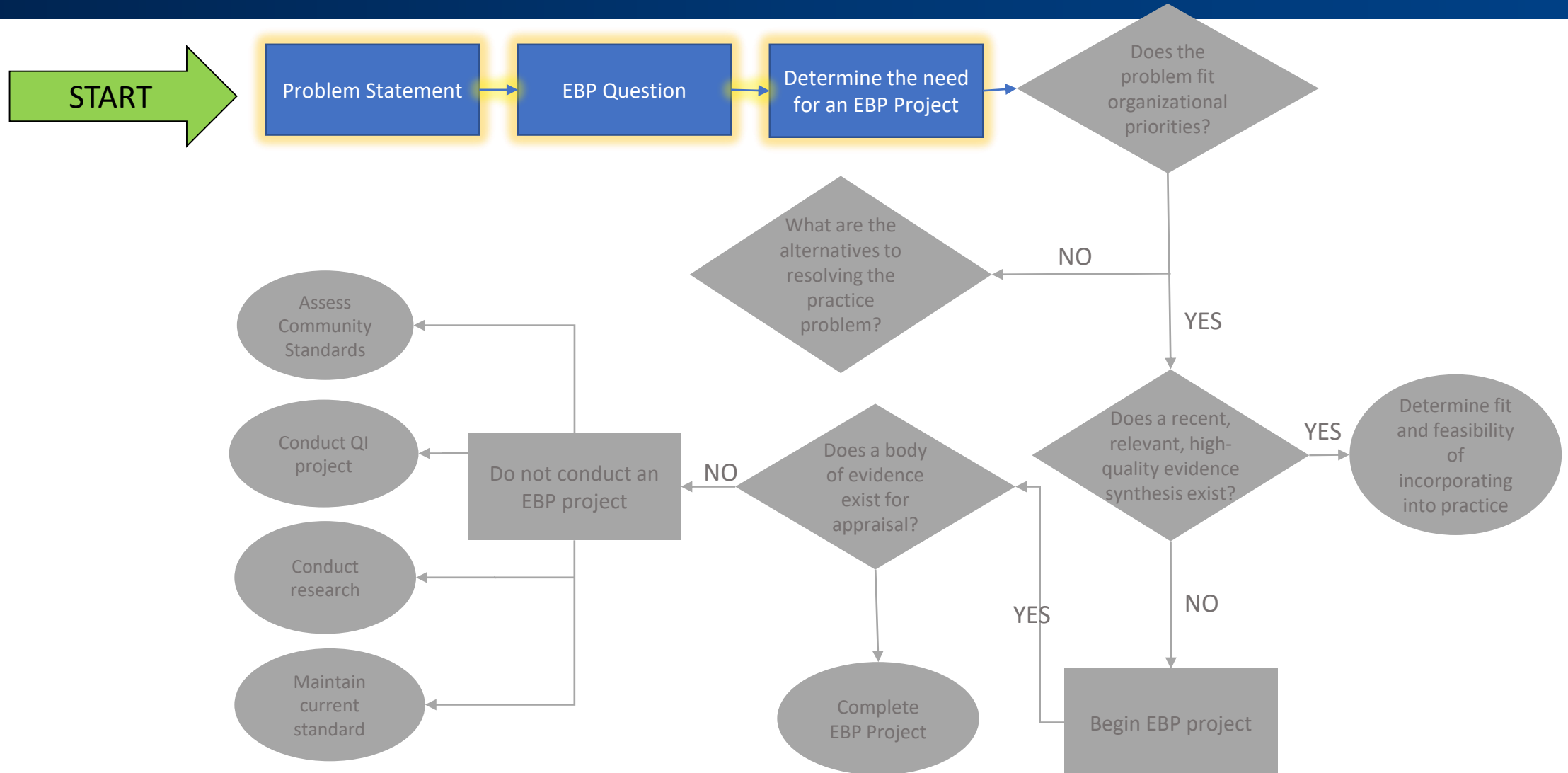
- Nurse Kaya is on a work group to increase compliance with the best-practice of skin-to-skin contact for newborn babies and their moms. They have been doing audits and performing staff education to monitor progress. This is an example of ...

QI

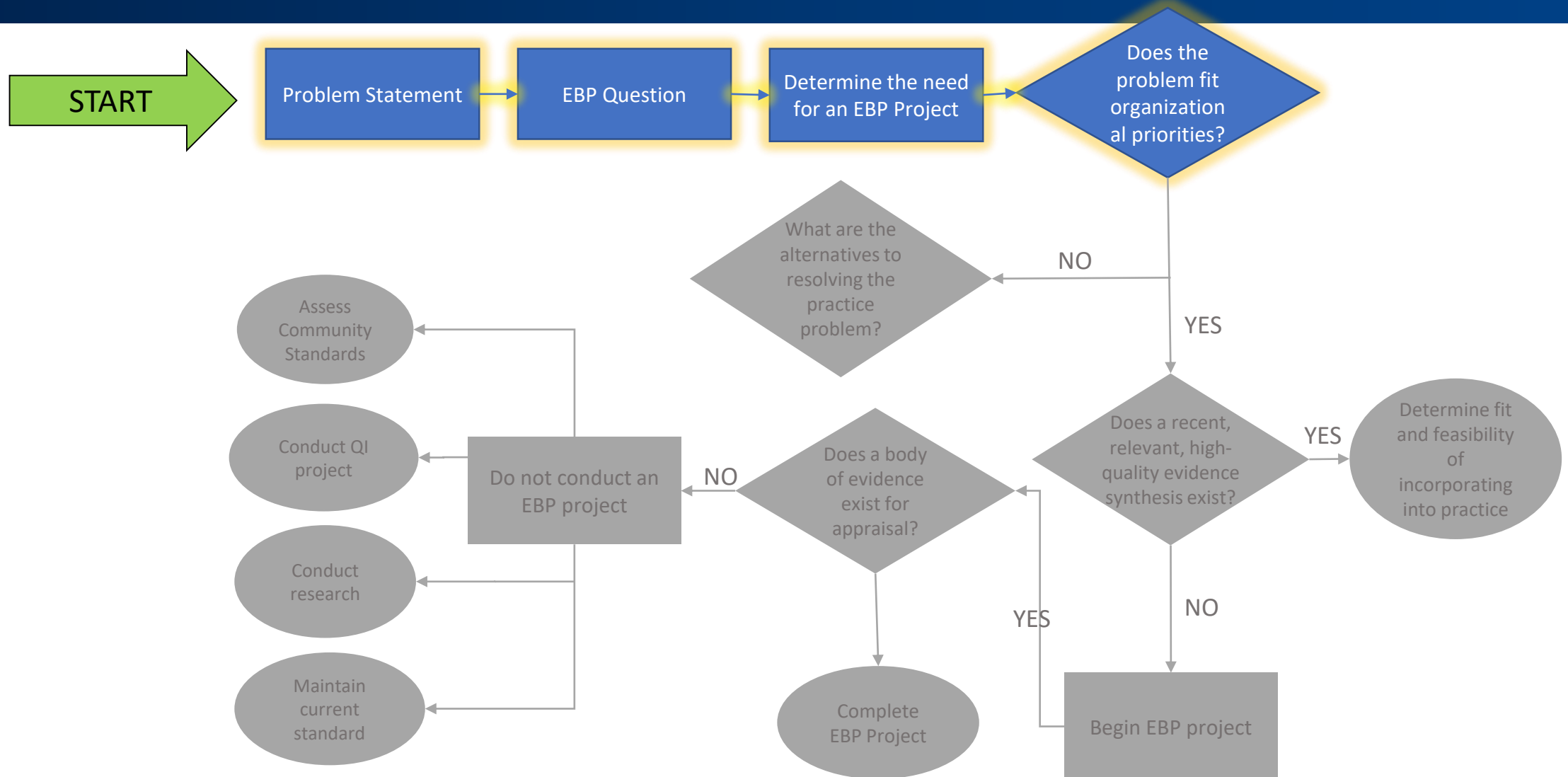
Determining the Need for an EBP Project (Appendix A)



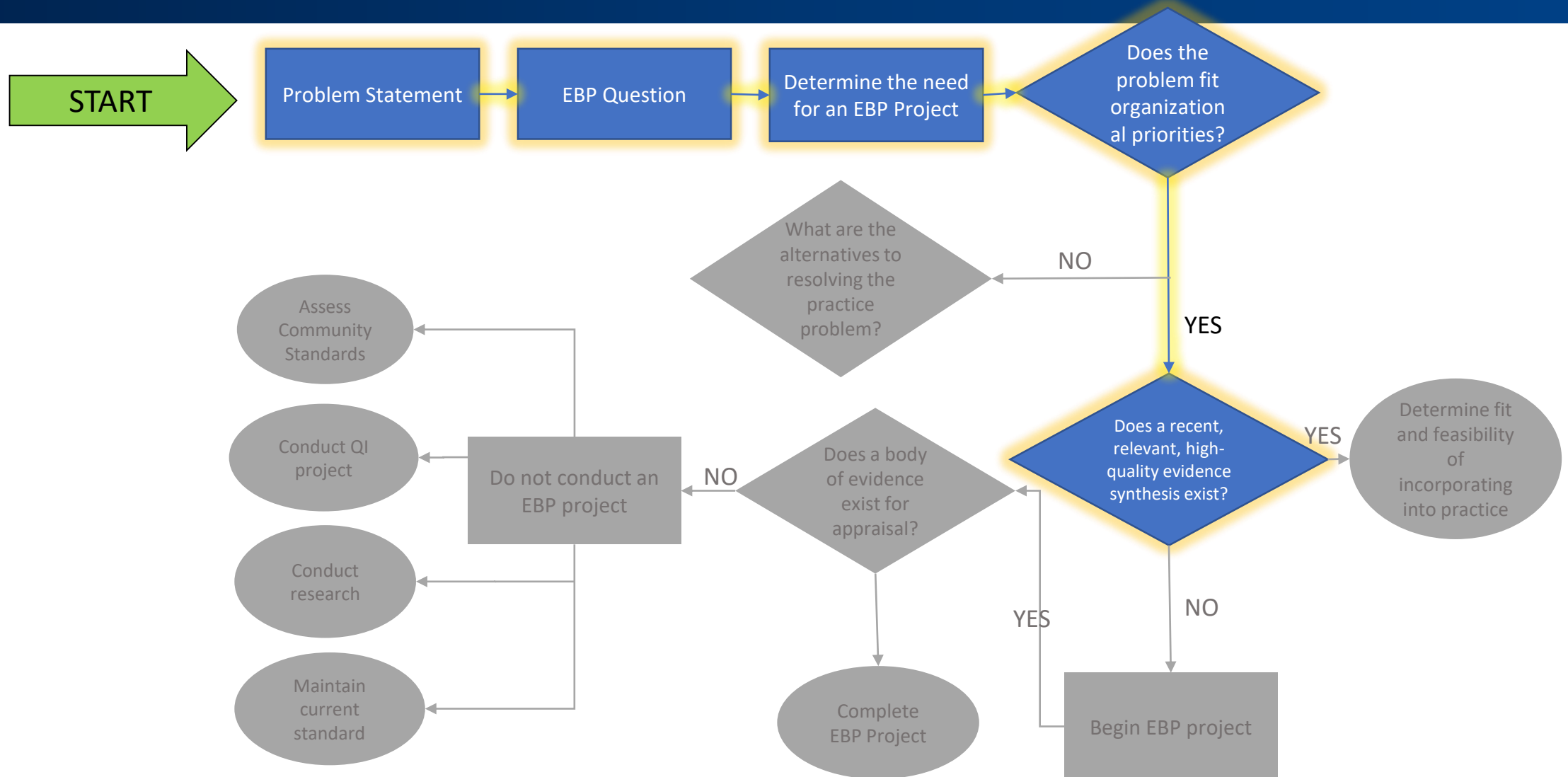
Determining the Need for an EBP Project (Appendix A)



Determining the Need for an EBP Project (Appendix A)



Determining the Need for an EBP Project (Appendix A)



Identifying Best Practices



Right topic



Right time frame

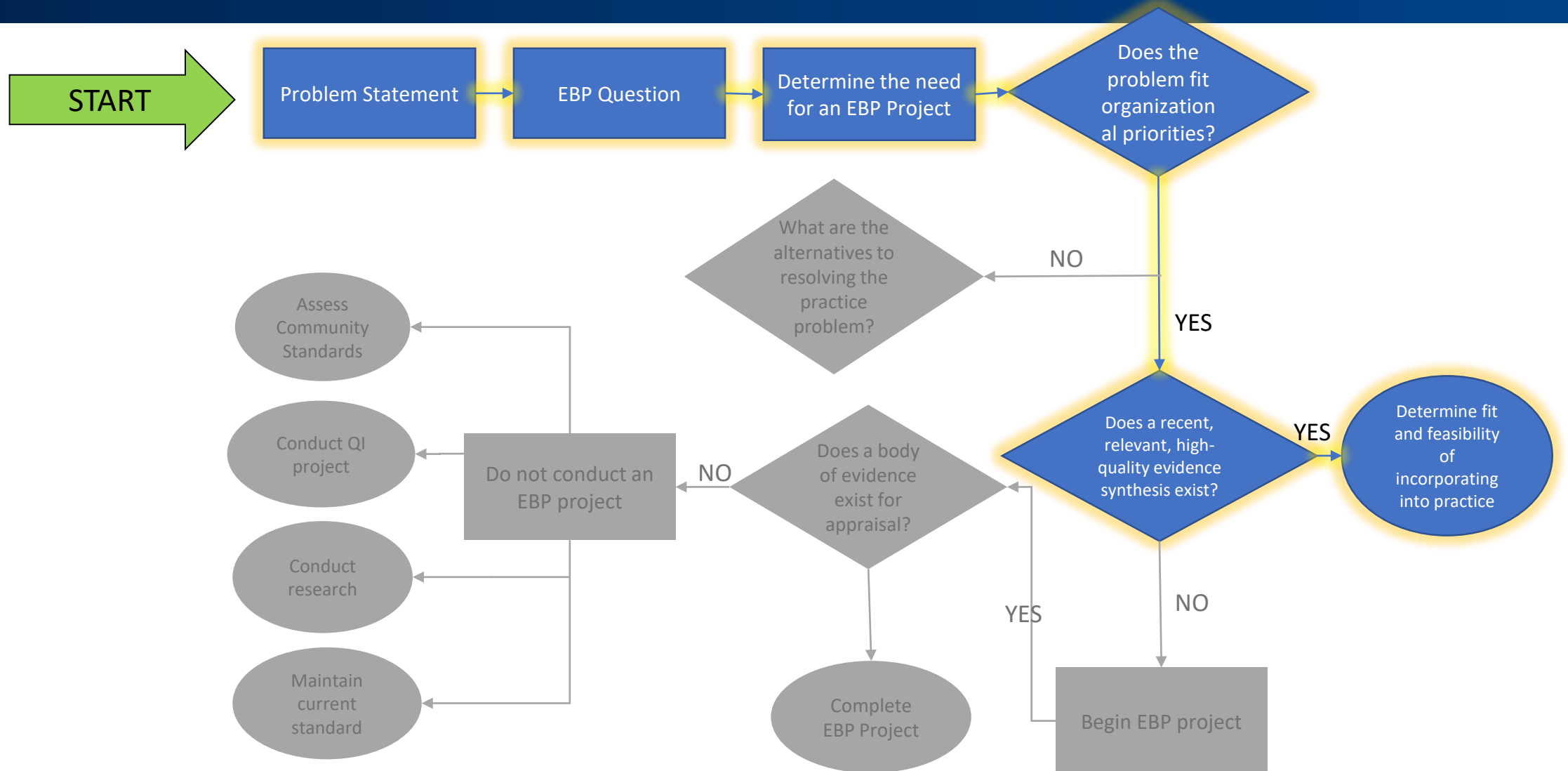


Right population

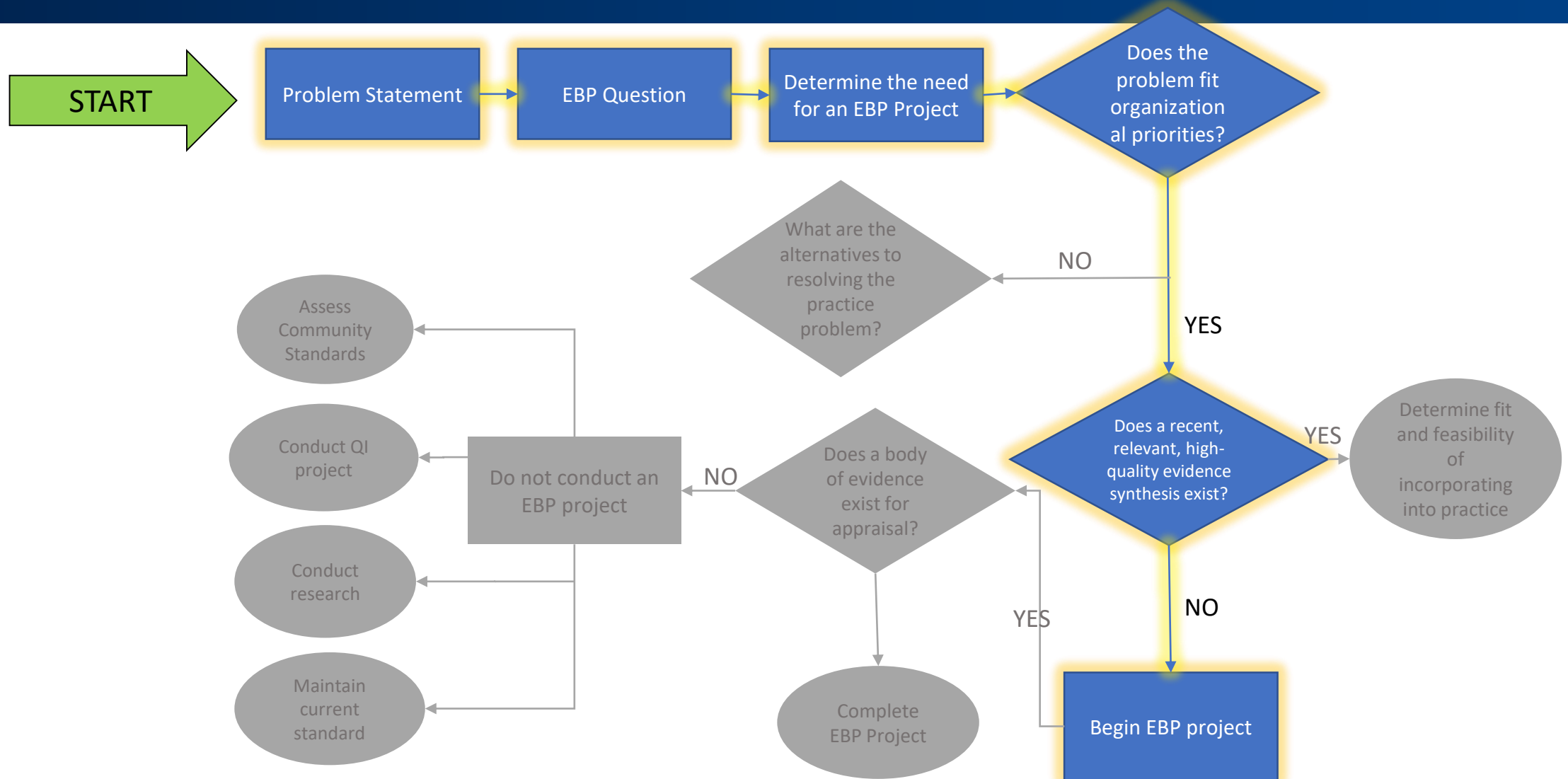
Identifying Best Practices

- [Cochrane](#)
- [JB](#)

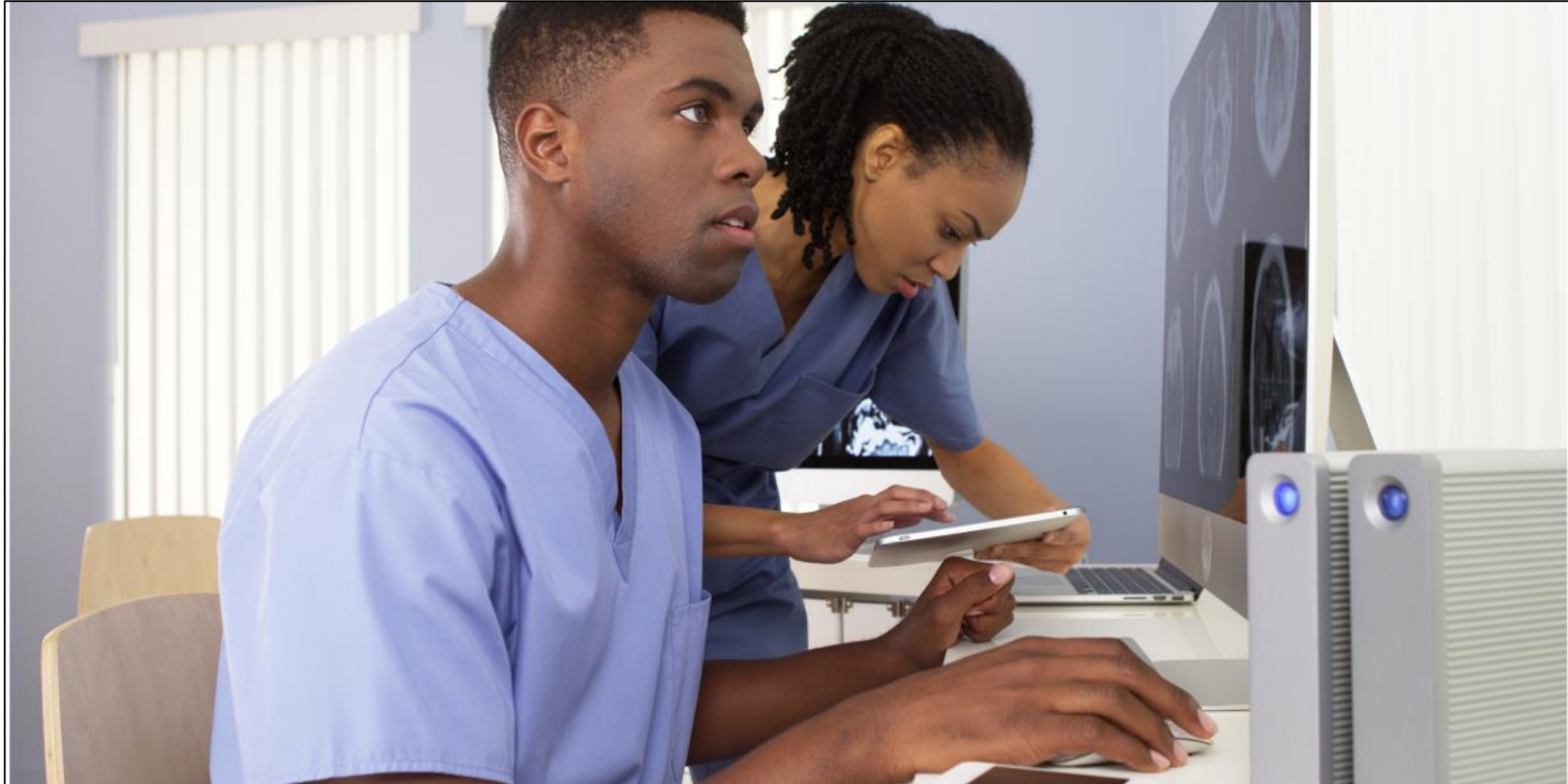
Determining the Need for an EBP Project (Appendix A)



Determining the Need for an EBP Project (Appendix A)



Determining the Need for an EBP Project (Appendix A)



Determining the Need for an EBP Project (Appendix A)

Dual Sign is a functionality within EPIC that requires the presence of two Registered Nurses to document the administration of a medication. Traditionally, this has been used for high-risk intravenous medications as a safety check, however, the practice has become more burdensome during the COVID-19 pandemic. Additionally, medications that require dual sign-off vary across the health system. We do not currently have a good understanding of the risk/benefits of dual sign-off and which medications truly need this additional safety check.

Determine fit and feasibility of incorporating into practice

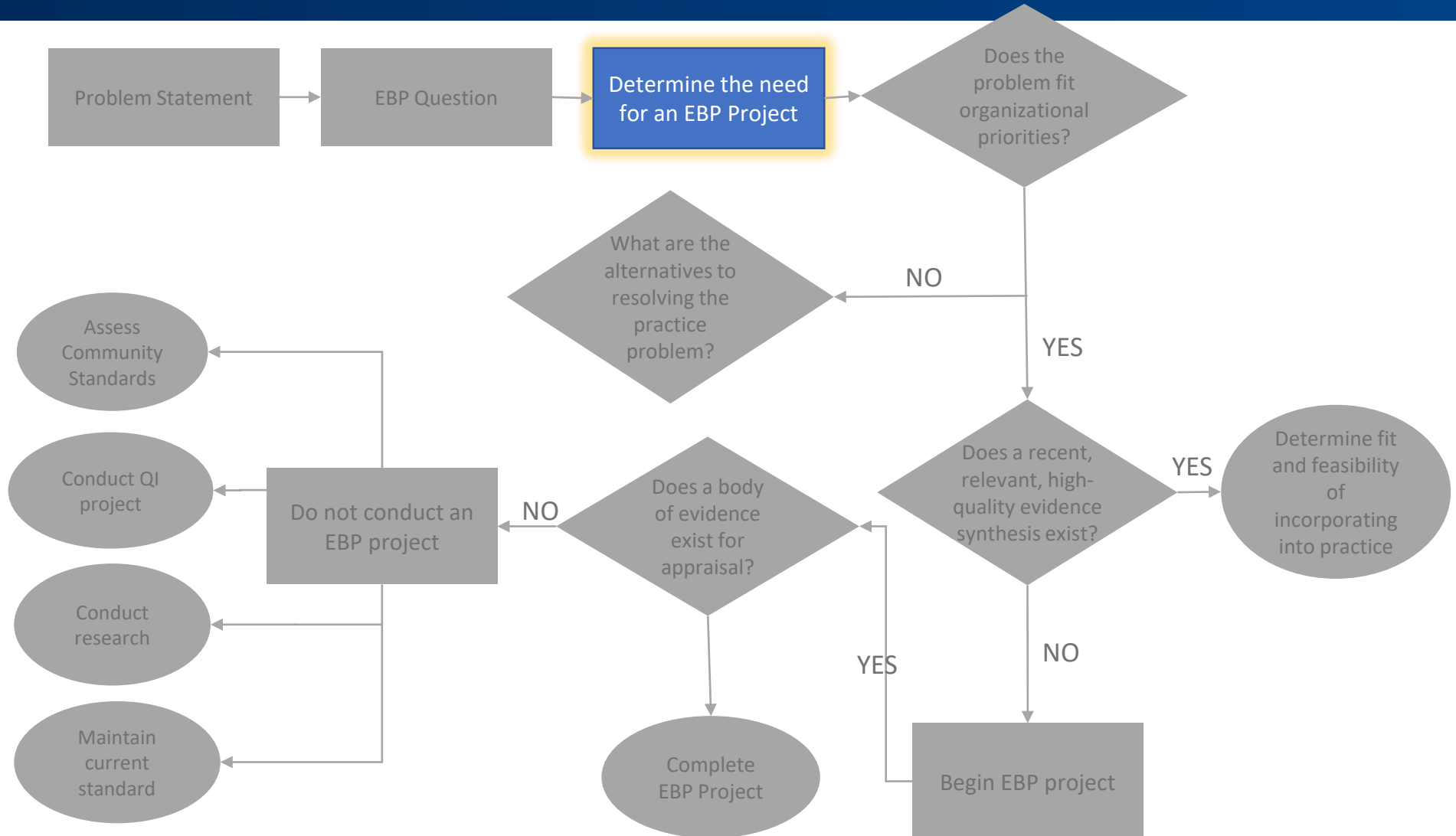
Determining the Need for an EBP Project

Does the

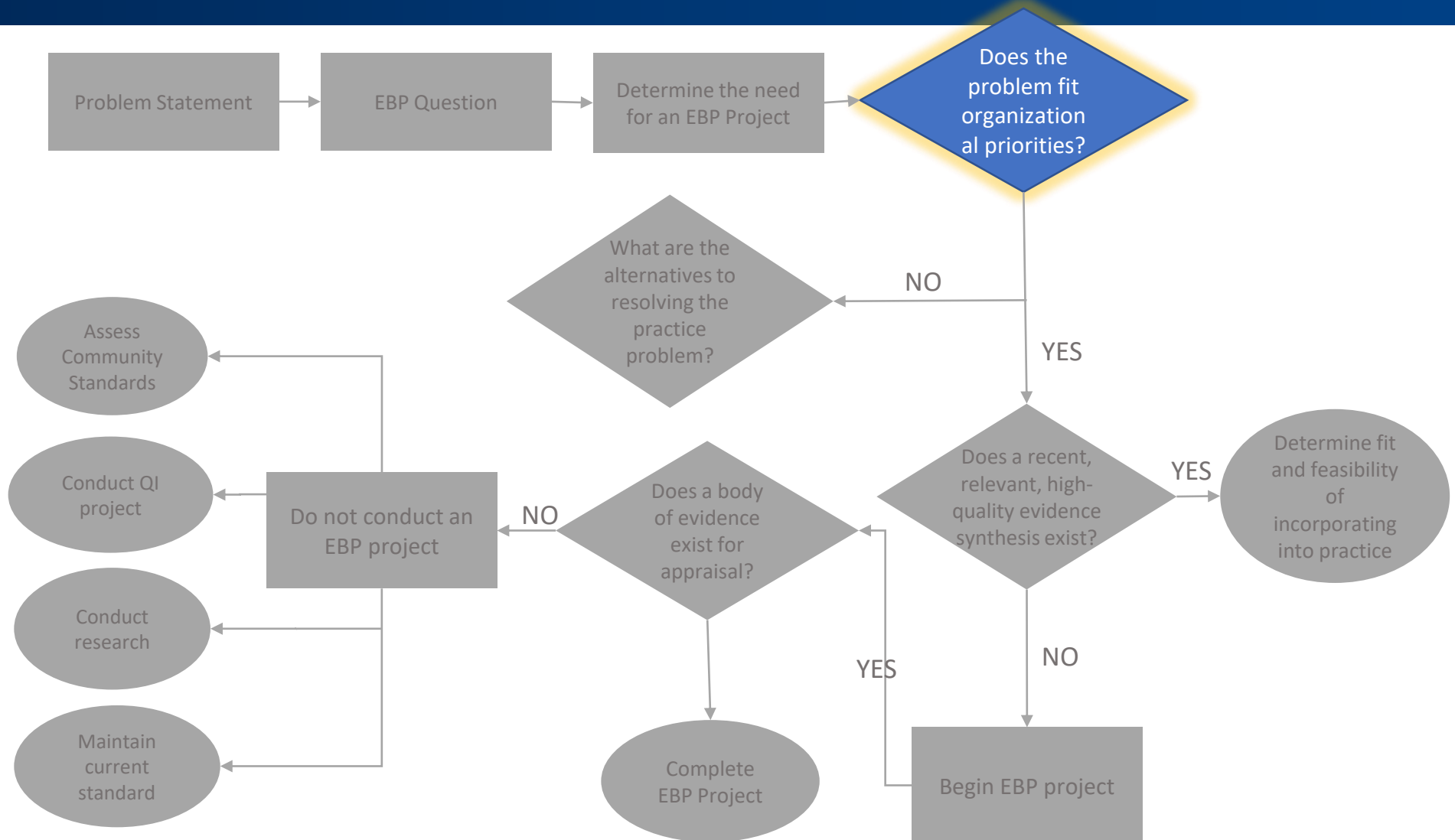
What is the current state of the evidence on the use of dual nurse sign-off (double check) for administering intravenous medications in the inpatient setting to decrease medication errors and potential patient harm?

Determine fit and feasibility of incorporating into practice

Determining the Need for an EBP Project (Appendix A)



Determining the Need for an EBP Project (Appendix A)



JBIEVIDENCE SUMMARY

MEDICATION ERRORS: DOUBLE CHECKING

Search date

15/09/2021

Author

Jonathan Bayuo MPhil, MSc, BSc

Publication date

08/11/2021

Question

What is the best evidence regarding the effects of double checking for prevention of medication errors, especially on intravenous medication administration?

Clinical Bottom Line

Medication error is a significant problem in healthcare and errors that occur in the prescribing and giving of medicines are common. Intravenous therapy is complex, error-prone and potentially dangerous, especially in children. The preparation and administration of intravenous medicines has many stages, which represent multiple opportunities for error.

- Three systematic reviews included the same studies regarding the preventive effects of double checking by two nurses on intravenous administration errors.^{1,2,3} (Level 1)

Determine fit
and feasibility
of
incorporating
into practice

Determining the Need for an EBP Project (Appendix A)

Does the

In this case, the literature review is recent enough and applicable to our practice setting. This means we can begin translating the best-evidence recommendations (including determining fit and feasibility) and develop a plan for implementation.

Determine fit and feasibility of incorporating into practice

Poll Everywhere

Your time is valuable, don't do an EBP project if you don't need to!

Summary

- <https://www.hopkinsmedicine.org/nursing/center-nursing-inquiry/>
- Nursinginquiry@jhmi.edu



Questions?

mwhalen8@jhmi.edu