

BACKGROUND

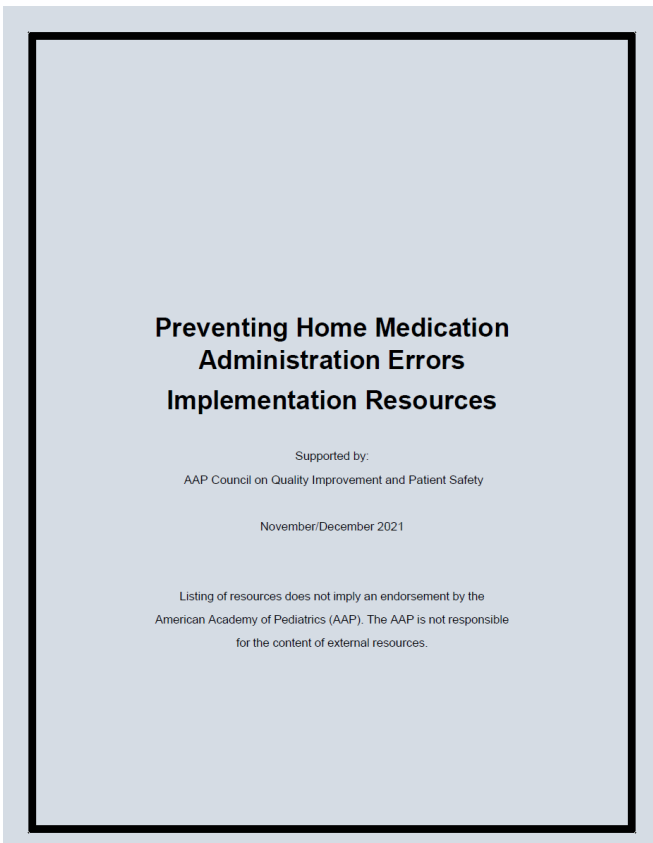
- Pediatric out-of-hospital medication errors are a frequently occurring patient safety issue, especially in children with medical complexity.
- The American Academy of Pediatrics' (AAP) Policy Statement, "Preventing Home Medication Administration Errors" was published in 2021 and provides a framework and recommendations to address this problem.
- The AAP's Council on Quality Improvement and Patient Safety (COQIPS) develops and promotes innovations and activities supporting the integration of policy and practice, education, advocacy, and implementation around the topic areas of quality improvement and patient safety.
- To facilitate implementation of recommendations in the "Preventing Home Medication Administration Errors" policy statement into clinical practice, COQIPS developed a companion implementation toolkit.
- We describe the toolkit to prevent home medication errors and identified which aspects of the toolkit were considered feasible and important to implement.

METHODS

- The AAP implementation toolkit to prevent home medication administration errors was developed by COQIPS members.
- A cause and effect analysis and key driver diagram helped to identify contributing factors to the problem of home medication errors and guided development of interventions in the toolkit.
- A needs assessment survey was conducted at AAP webinars through interactive polls following the presentation of toolkit components and the evidence behind them.
- Participants were asked which area of the toolkit they would focus on first, considering the feasibility of using this toolkit with their resources and overall potential to improve care in their setting or for their patients.

AAP Implementation Toolkit: Preventing Home Medication Errors

- 4 key components:
 - Establishing Practice Based Error Reporting System
 - Standardizing Medication Reconciliation
 - Improving Communication to Reduce Medication Errors
 - Implementing Resources for Patients and Families

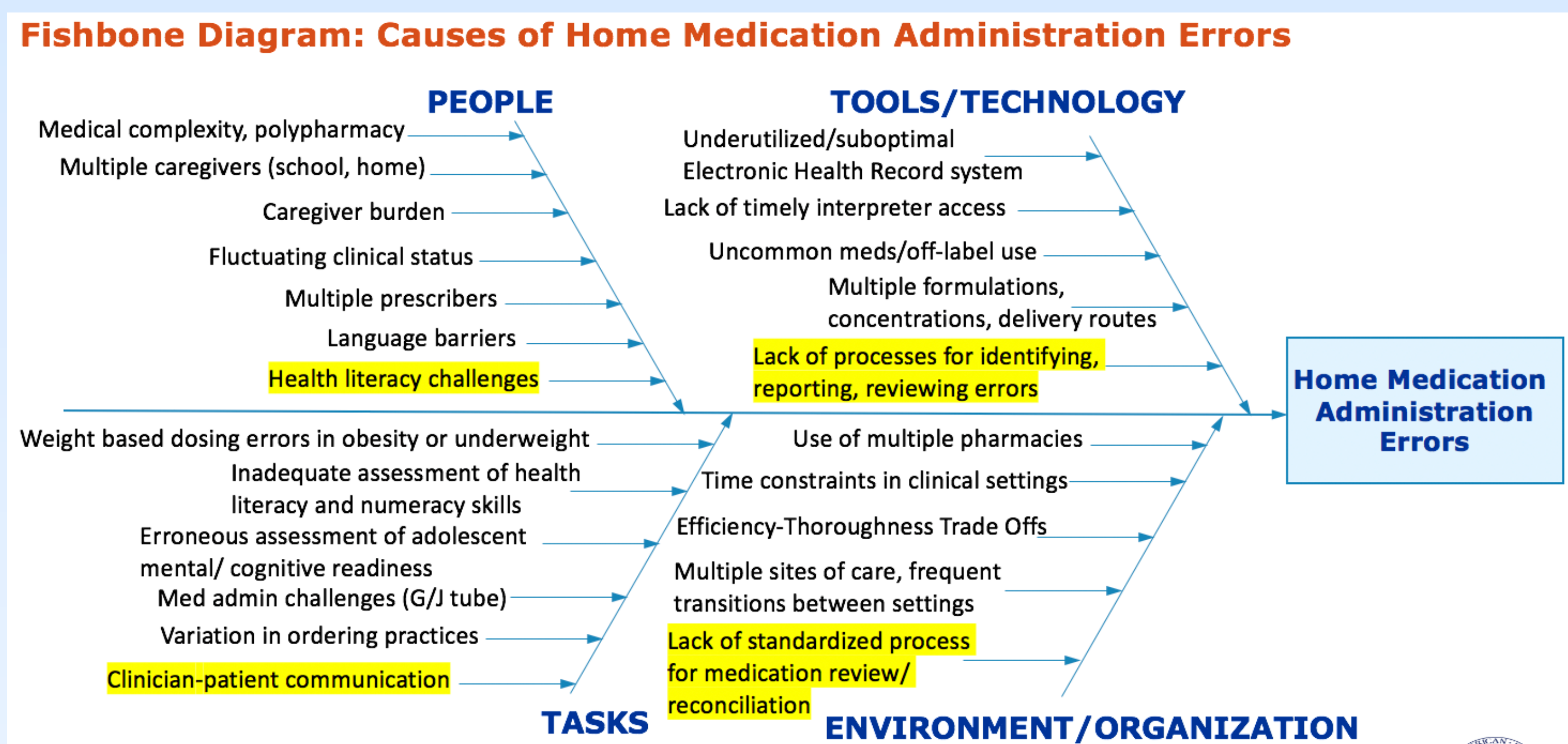


CONCLUSION

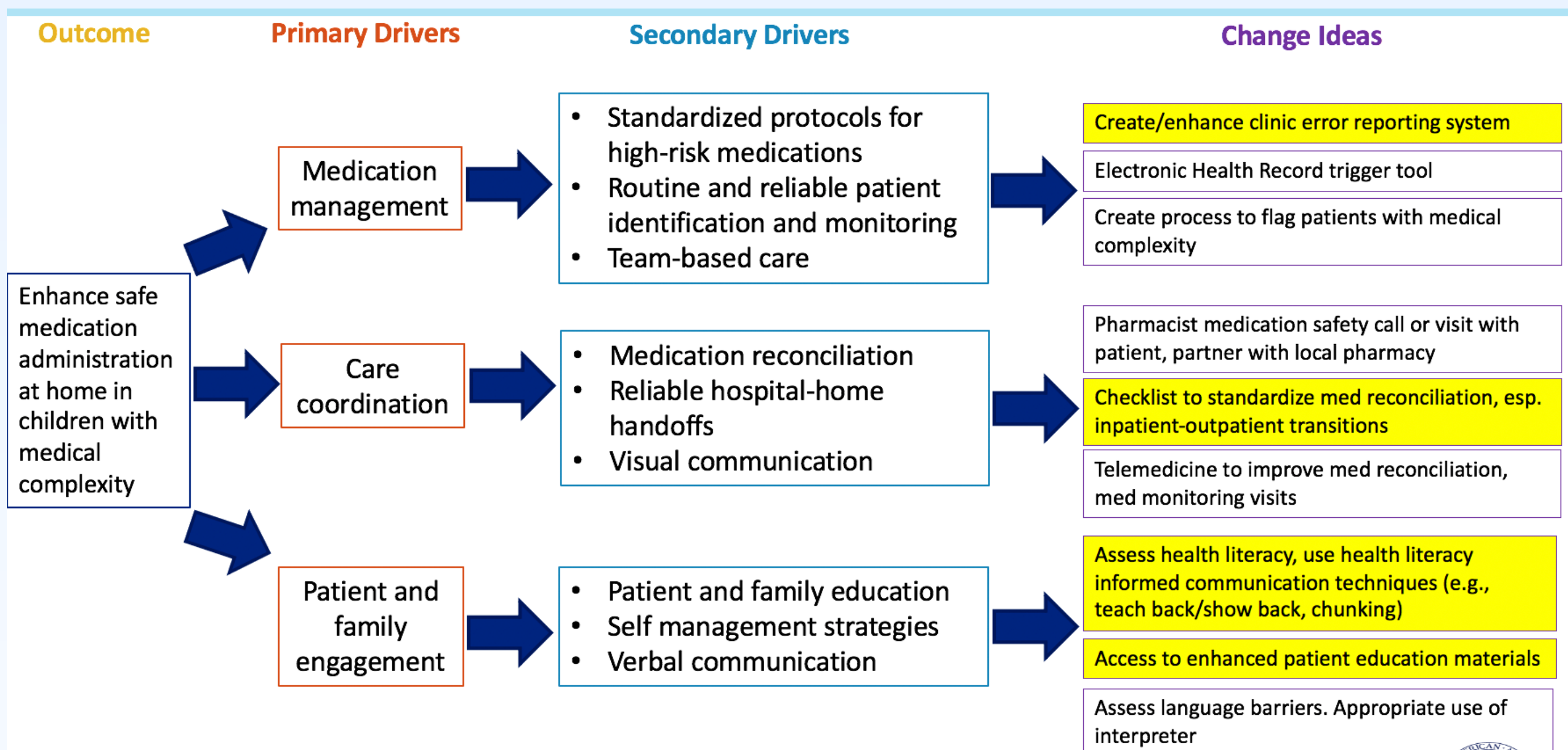
The AAP home medication safety implementation toolkit supports health care providers, patients and families to reduce home medication errors.

RESULTS

Cause-and-effect diagram of the etiology of home medication administration errors in children.



Key driver diagram of interventions to enhance safe medication administration at home in children with medical complexity



Improving Communication to Reduce Medication Errors

- Communicate Clearly Tools adapted for pediatrics and medication communication (Patient/Caregiver feedback, observation form, self-assessment)

Brief Patient/Family/Caregiver Feedback Form about Medication Instructions Given

We would like your honest feedback. Please answer these questions either yes or no about the visit you had today. Think about the doctor, nurse, or other person you saw today when you answer these questions.

1. Were the medication instructions you got today in the language you preferred?	Yes	No
2. Did your doctor, nurse, or other person you saw at today's visit... explain how you should give medications in a way that was easy to understand?	Yes	No
3. Did your doctor, nurse, or other person you saw at today's visit... use medical words you did not understand when talking about your medications?	Yes	No
4. Did your doctor, nurse or other person you saw at today's visit... use a picture or drawing to help you understand how to give the medication?	Yes	No
5. Did your doctor, nurse, or other person you saw at today's visit... show you, or demonstrate to you, how to give the medication?	Yes	No

RESULTS

Needs Assessment Survey

AAP webinar participants identified toolkit areas for implementation based on feasibility, potential to improve care:

Establishing Practice Based Error Reporting System	8%
Standardizing Medication Reconciliation	23%
Improving Communication to Reduce Medication Errors	38%
Implementing Resources for Patients and Families	31%

Strategies identified to improve feasibility of using toolkit

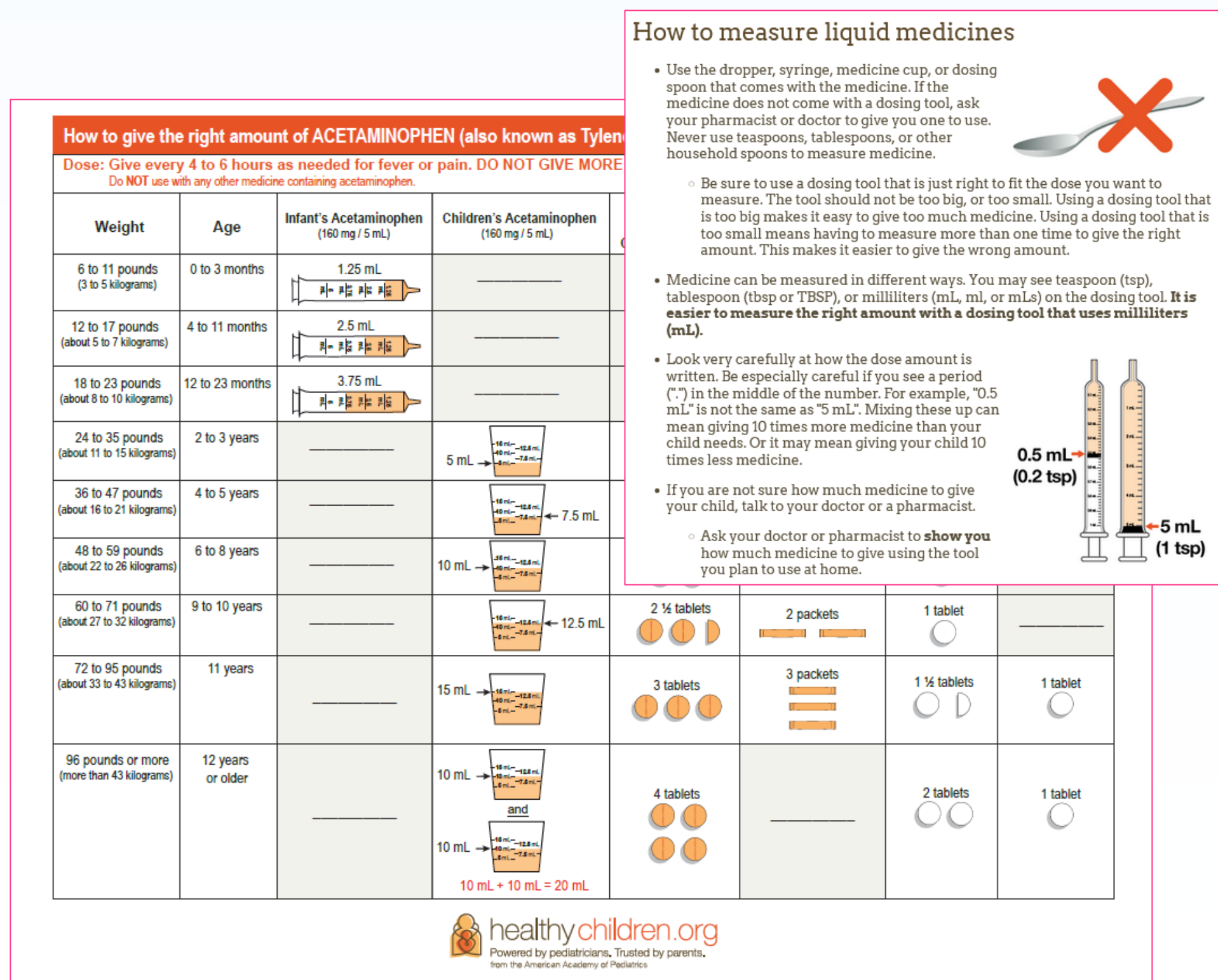


Likelihood to Adopt or Implement Toolkit Strategies

100%

Implementation Resources for Patients and Families

- Using liquid medications
- Using over the counter medications and dosing
- Medication dosing and storage
- Disposal of medications

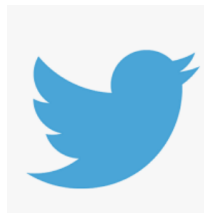


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