



STEP 5.3: Calculate alternate versions of the PHDS quality measures

➔ What is the purpose of this step?

The purpose of this step is to construct additional versions of the core PHDS quality measures.

In this step you will:

- Consider other options for scoring PHDS quality measures.
- Calculate negative indicator measures.
- Calculate topic-specific Anticipatory Guidance and Parental Education (AGPE) versions of the measures.



Guidelines and Issues to Consider

- Consider other options for scoring PHDS quality measures.

It is often helpful to look at information from different angles and perspectives to gain a more complete, multidimensional picture. Think about your research questions and which of the scoring methods outlined here best answers those questions and makes a compelling story. Be creative when approaching your scoring. While we have provided recommendations here, there is no "one-size-fits-all" method.

Additional and useful ways to consider scoring one or more of the PHDS measures include:

⇒ Negative indicator measures: Proportion of children who did NOT receive recommended care.

The measures described in Step 5.1 tell you whether children receive recommended care. You can also create measures that highlight care that children did not consistently receive. This approach provides information for doctors and health care providers on missed opportunities to provide aspects of recommended care.

For example, instead of reporting that 39.2 percent of parents indicated that their child's doctor or health care provider discussed all topics included in the Anticipatory Guidance and Parental Education quality measure, you could report that 60.8 percent of parents indicated that their child's doctor or health care provider did not discuss one or more of the anticipatory guidance topics with them. You use the same score, but report it in a different way.

Example 5.5: Positive and Negative Indicators Using the PHDS Quality Measures

<u>Measure</u>	<u>Positive Indicator</u>	<u>Negative Indicator</u>
Anticipatory Guidance and Parental Education	% of parents responding "yes," items were discussed" to <u>all</u> items.	% of parents responding "no, item was not discussed" to <u>one or more</u> of the items.
Follow-Up for Children at Risk for Developmental Delays	% of parents responding "yes" to <u>at least one</u> of the items	% of parents responding "no" to <u>all</u> of the items.
Family-Centered Care	% of parents responding "usually or always" to <u>all</u> items.	% of parents responding "never" or "sometimes" to <u>at least one</u> item.

⇒ Topic-specific versions of the Anticipatory Guidance and Parental Education (AGPE) measure.

The quality measure focused on AGPE is comprised of approximately 15 to 17 age-specific items and represents a number of recommendations for topics to discuss during a well-child visit.

One valuable way to assess this important aspect of care is to examine whether AGPE focused on specific topics, such as:

- The physical care of the child
- Development and behavior issues
- Injury prevention

Past studies using the PHDS have shown that providers are significantly less likely to talk about (and parents have more unmet informational needs about) development, behavior, and injury prevention, compared with the physical care of the child. Second, providers who systematically provide AGPE on one set of topics are not necessarily more likely to provide AGPE on another set of topics. Therefore, this additional scoring approach to the AGPE measure will allow you to assess variations in the provision of specific kinds of AGPE.

Using the same recodes that you created in **Step 5.1**, you can create three topic-specific versions of the AGPE quality measures. We recommend that you create the two versions for each measure: Version 1 should address whether health care providers talk about recommended topics, and Version 2 should address whether parents have their informational needs met on the topic.

Table 5.6 provides a detailed summary of each topic-specific version of the AGPE measure.

Tip from the Field

Consider using topic-specific versions of the AGPE measure in your "got all care" variable. By doing so, you will further highlight the importance of these topics by having three measures related to this aspect of care, and you will be able to assess variations in the kinds of AGPE provided.

Table 5.6 Overview of the Topic-Specific Version of the Anticipatory Guidance and Parental Education (AGPE) Measure

Topic-Specific Version of the AGPE Quality Measure	Overview of Topics Included¹	PHDS Items	ProPHDS Item
Physical Care	What parent can do to help child grow and learn, breastfeeding, vitamins and food, feeding, sleeping positions and sleep area, bedtime routines, preventing bottle mouth, whether child watches TV, and childcare.	7a,7c,7d, 7e,7f, 8g, 8h, 9a,9c,9d,9g, 9h,10g, 10h, 11a,11c,11d, 12f,12g	3-9 mo. Version: 1a,1c,1d, 1e,1f, 2g, 2h 10-18 mo. Version: 1a,1c,1d,1g, 1h,2g, 2h 19-48 mo. Version: 1a,1c,1d,2f,2g
Development and Behavior	Behaviors to expect, night waking and fussing, how child communicates needs (words and phrases child uses and understand), what child is able to understand, how child responds to and gets along with others, child's independence, toilet training, guidance and discipline techniques, importance of showing a picture book/reading to child.	7b,7g,7h,8a,8b, 8f, 9b,9e,9f,9i, 10a,10b,10f, 11b,11e,11f,11g, 11h, 12e	3-9 mo. Version: 1b,1g,1h,2a,2b, 2f 10-18 mo. Version: 1b,1e,1f,1i, 2a,2b,2f 19-48 mo. Version: 1b,1e,1f,1g,1h, 2e
Injury Prevention	Car seats, house safety, how to avoid burns, what to do if child swallows poisons.	8c,8d,8e 10c,10d,10e 12a,12b,12c,12d	3-9 mo. Version: 2c,2d,2e 10-18 mo. Version: 2c,2d,2e 19-48 mo. Version: 2a,2b,2c,2d

¹ The AGPE section is specific to the age of child. The wording presented in the table summarizes key topics in the survey and does not reflect the exact wording used the survey. See the PHDS and ProPHDS surveys provided in the Appendices for the exact wording of each survey item. Second, not all topics listed are included in each age-specific version of the survey (e.g., some items are only asked for children of a specific age).