



OPERATIONAL DEFINITION

MEASUREMENT: % asthma patients and parents that rate their confidence in their ability to manage their/their adolescent's asthma as 7 or better.

I. Description and Rationale

This measure answers the question:

How confident are patients and parents in their ability to manage their asthma?

This measure allows us to measure the confidence of the parent and patient to manage their care based on the care and education provided by CCHMC. We use patients who have 3 or more visits or patients who have not returned to the Asthma Lab in the previous 3 months to ensure we have had an opportunity to influence the care. This measure comes from the Parent and Teen Questionnaires filled out at the time of the visit. Confidence is measured using the following 10 point scale, and confident is defined as a 7 or higher. The parent and patient are measured as a pair and the lower score between the two is used because both parties must be confident in managing asthma in order to be successful.

Parent: *How confident are you in your ability to manage your teen's asthma, rated on a scale of 1-10 (1=Not Confident, 10=Very Confident)*

Teen: *How confident are you in your ability to manage your asthma, rated on a scale of 1-10 (1=Not Confident, 10=Very Confident)*

II. Population Definition (Inclusions/Exclusions)

The patients included in this measure have to meet the following criteria:

- Have been diagnosed with asthma and seen in the Asthma Innovation Lab
- Have 3 or more visits to the Asthma Innovation Lab since their inclusion in the Lab or have visited the Lab outside the previous 3 months
- Are identified as an *Active* patient, meaning they have had a visit within the previous 13 months and are not designated (by us) as *Inactive* due to moving out of the city/state, etc.

III. Data Source(s)

Asthma Innovation Lab Database

IV. Sampling and Data Collection Plan

Data is collected once for every asthma patient at time of visit. See attached Parent Form and Teen Form.

V. Calculation

Unit of analysis is the parent and patient pair, the score that is included is the lower score of the two forms (if parent is not present, patient score is used) and based on last visit.

Numerator: Number of scores with a 7 or above based on most recent visit.

Denominator: Number of active patients who have 3 or more visits or visited the Lab before the previous 3 months and within the previous 13 months based on most recent visit.

VI. Analysis Plan and Frequency of Reporting

Analyze and report on a monthly basis, at beginning of next month for previous month. A run chart will be used to display the data.

VII. Reporting Venues

Results are reported on the Chronic Care Innovation Lab Monthly Project Report.

VIII. Limitations

Understanding that *Confidence* is multidimensional, only one question (for each the parent and teen) is used to determine *Confidence*.

IX. Experts/Resources

Kate Lorig (Bandura, Self-Efficacy)

X. Revision History

Version	Primary Author(s)	Description of Version	Date Completed
Initial	S.Rechner		7/26/07



Teen Form



Parent Form