

Healthy People 2010 Operational Definition

10-4. Reduce deaths and illness from severe food allergies.

10-4b. Severe allergic reactions among adults aged 18 years and older.

National Data Source	Food Safety Survey (FSS), FDA, CFSAN and USDA, FSIS.
State Data Source	Not identified.
Healthy People 2010 Objective	Not applicable.
Changes since the 2000 Publication	New subobjective (see Comments).
Measure	Percent.
Baseline (Year)	26 (2001)
Target	21
Target-Setting Method	19 percent improvement. For a discussion of target-setting methods, see Part A, section 4.
Numerator	Number of persons 18 years and older with doctor-diagnosed food allergies who report an allergic reaction within the last 5 years and who report that the allergic reaction was severe (required the use of epinephrine, or treatment in a hospital or doctor's office, or an overnight stay in a hospital).
Denominator	Number of persons 18 years and older with doctor-diagnosed food allergies.
Population Targeted	U.S. civilian, non-institutionalized population.
Questions Used to Obtain the National Baseline Data	From the 2001 Food Safety Survey: SECTION M. FOOD ALLERGIES ➤ M1. <i>Do you or does anyone who lives in your home with you currently have any food allergies, or does anyone suspect they have a food allergy?</i>

1. Yes (Go to M3)*
 2. No (Go to M2)
 3. *Someone in household died from food allergy* (Go to M1died, then skip to Section P)
 8. Don't know (Go to M2)
 9. Refused (Go to M2)
- M3a. *Is it you or someone else who has the food allergy?*
1. *Respondent only* (Go to M2)*
 2. *Other(s) in household* (Go to M1a)
 3. *Both* (Codes 1 and 2) (Go to M1a)
 4. *Someone in household died from food allergy* (Go to M1died, then skip to Section P)
 8. Don't know (Go to M2)
 9. Refused (Go to M2)
- MHM. Member chosen.
1. Member 1
 2. Member 2
 7. Respondent
- M8. *If you [allergic person] eat(s) any of this [these] food[s], which of these reactions do you [does allergic person] have?*
- *Do you have [Does he/she have]. . .*
- M9. *Has a medical doctor diagnosed your/[allergic person's] condition as a food [latex] allergy?*
1. Yes*
 2. No (Go to M13 and skip M22, prescribed an epi kit)
 8. Don't know (Go to M13 and skip M22, prescribed an epi kit)
 9. Refused (Go to M13 and skip M22, prescribed an epi kit)
- M23. *When was the last time you [allergic person] had an allergic reaction to food, or had symptoms you [he/she] thought were caused by an allergic reaction (to food)?*

IF THE RESPONDENT DOES NOT REMEMBER A SPECIFIC LAST INSTANCE, PROBE: *Do you think it was more than a year ago? More than 5 years ago?*
 PROBE TO TRY TO GET A RESPONSE INTO A CATEGORY. FOR EXAMPLE, IF RESPONDENT SAYS "MORE THAN 4 YEARS AGO," ASK: *Do you think it could have been as many as 6 years ago?*

01. *Less than one month**
02. *One – 2 months**
03. *3 – 6 months**
04. *7 – 11 months**
05. *1 – 2 years**
06. *3 – 5 years**
07. *6 – 9 years*

- 08. 10 – 14 years
- 09. 15 – 19 years
- 10. 20 years or more
- 11. Never (Go to Section N)
- 98. Don't know/Not sure (Go to Section N)
- 99. Refused (Go to Section N)

- M24. *Was epinephrine [EP eh NEF rin] used to treat this most recent reaction?*
 - 1. Yes*
 - 2. No
 - 3. Does not recall specific instance (Go to Section N)
 - 8. Don't know
 - 9. Refused
- M25. *Were you [was he/she] treated in a hospital or doctor's office for this reaction? Which?*
 - 1. Yes, hospital*
 - 2. Yes, doctor's office (Go to M27)*
 - 3. No (Go to M27)
 - 4. Does not recall specific instance (Go to Section N)
 - 8. Don't know (Go to M27)
 - 9. Refused (Go to M27)
- M26. *Did you/he/she have to stay overnight in the hospital?*
 - 1. Yes*
 - 2. No
 - 8. Don't know
 - 9. Refused

*RESPONSE IS INCLUDED IN THE CALCULATIONS.

Expected Periodicity

Periodic.

Comments

The estimate for this objective is calculated by first defining a sub-sample of survey respondents who report a doctor-diagnosed food allergy. The percentage of this group that had an allergic reaction to food within the last 5 years and whose reaction required the use of epinephrine, or treatment in a hospital or doctor's office, or an overnight stay in a hospital is the numerator (questions M23 - M26).

Weights are applied that adjust for probability of selection (the number of telephones in the house and the number of adults in the house) and that adjust the sample to census estimates on the characteristics of sex, race, and education.

The FSS is a 15- to 20-minute telephone interview with consumers to measure food safety knowledge,

concern level, food handling practices, perception of risk, and consumption of potentially hazardous foods. Previous FSS surveys have been conducted in 1988 (3,200 people surveyed), 1993 (1,620 people surveyed), 1998 (2,001 people surveyed), and 2001 (4,482 people surveyed). The next collection is scheduled for early 2006.

For some objectives, data do not meet the criteria for statistical reliability, data quality, or confidentiality and have been suppressed. Information on suppression of data for the major Healthy People 2010 data systems has been published in a *Healthy People Statistical Note*.¹

Objective 10-4 moved from developmental to measurable during the Healthy People 2010 Midcourse Review. It was changed from “Reduce deaths from anaphylaxis caused by food allergies” to “Reduce deaths and illness from severe food allergies,” and divided into two sub-objectives. One sub-objective addresses deaths while the other addresses severe food allergies.

See Appendix A for focus area contact information.

References

1. Klein, R.J.; Proctor, S.E.; Boudreault, M.A.; Turczyn, K.M. Healthy People 2010 Criteria for Data Suppression. *Statistical Notes* No. 24. Hyattsville, MD: National Center for Health Statistics. 2002.