**Worksheet 10: Setting Progress Measures**

It is important to be able to show whether your programs are effective in achieving your target. Follow these basic formulas to calculate baseline, target, and achieved rates for the selected health outcome.

**Annual Percentage Change**

This measure can be used to track whether progress is on course and determine whether your Healthy Campus coalition objectives will be reached. It provides the amount of decline each year that is needed to reach the target.

***Formula***

{(Target rate ÷ Baseline rate) [1/(Target year – Baseline year)] – 1} x 100 = Annual Percent Change

**Example Data Showing Percentage Change Needed to Reach Healthy Campus Goal**

|  |  |  |
| --- | --- | --- |
| **Category** | **Year** | **Rate** |
| Target | 2020 | 7/1,000 |
| Baseline | 2010 | 10/1,000 |

***Calculations***

{(Target rate ÷ Baseline rate) = 7/1,000 ÷ 10/1,000 = 0.700

[1/(Target year – Baseline year)] = 1/(2010-2000) = 1/10 = 0.100

(Target rate ÷ Baseline rate) [1/(Target year – Baseline year)] = 0.700.10 = 0.965

{(Target rate ÷ Baseline rate) [1/(Target year – Baseline year)] -1} = 0.965 – 1 = -0.035

{(Target rate ÷ Baseline rate) [1/(Target year – Baseline year)] -1} x 100 = 0.035 x 100 = -3.5%

A decline of 3.5 percent per year between year 2010 and 2020 is needed to reach the target.

**Measuring Progress**

This equation is used in measuring progress for each objective:

(Current Status – Baseline)

x 100 = Percentage of Target Achieved

(Year 2020 Target – Baseline)

**Adapted from material in the public domain:**U.S. Department of Health and Human Services, Office of Disease Prevention and Health Promotion. (n.d.). Healthy People 2020 Program Planning Tools. Retrieved June 2012, from http://www.healthypeople.gov.

**Original source:**
Public Health Foundation, under contract with the Office of Disease Prevention and Health Promotion, Office of Public Health and Science, U.S. Department of Health and Human Services*.* (2002, February). *Healthy People 2010 Toolkit: A Field Guide to Health Planning* (p. 97). Washington, DC: Public Health Foundation.



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