**Attachment 12 –**

**ACBS Response Rate Formula**

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| **Table B.3.1 ACBS sample disposition codes and categories** |
| **Category** | **Disposition Code** **Definitions** | **Formulae Abbreviation** | **Notes** |
| Completed interviews  | 1100, 1200 | COIN | Through Section 8  |
| Terminations and refusals  | 4413 | TERE\_AT\_ BRFSS | At BRFSS  |
|  | 2112, 2120, 2211, 2212,  | TERE\_AT\_ACBS | At ACBS |
| Contacted eligible | 1100, 1200, 2120 , 2211, 2212, 2112, 2330, 2320 | CONELIG | At ACBS |
| Eligible, lost to follow-up | 2111, 2210, 2220, 2320, 2330, 3100, 3130, 3140, 3200, 3322, 3330, 4100, 4900, 4306, 5050, 5100, 5111, 5112, 5120, 5130, 5140, 5220, 5320, 5330, 5550, 5560 | ELIG\_LOST | Unable to contact or communicate with eligible respondent |
| Not interviewed | 3150, 3700, 4200, 4300, 4400, 4430, 4450, 4460, 4470, 4500, 4510, 5400, 5150, 5200, 5300, 5599, 5700, 5900, 9999  | ELIG\_LOST | Technical problems |
| Ineligible | 2290, 2291, 4480, 4490, 4491 | INELIG | At BRFSS  |
| Ineligible | 4405, 4700, 4411, 4471  | INELIG | At ACBS |
|  | 4412 | INELIG | No ACBS attempt |

The response rate formulae for the ACBS are described below.

Eligibility Rate: E = CONELIG / (CONELIG + INELIG)

Cooperation Rate: (COIN / CONELIG + TERE\_AT\_BRFSS) \*100

ACBS CASRO Rate: (COIN / ((CONELIG + TERE\_AT\_BRFSS + (E \* ELIG\_LOST))) \* 100

Refusal Rate: (TERE\_AT\_BRFSS+TERE\_AT\_ACBS / (CONELIG + TERE\_AT\_BRFSS + (E \* ELIG\_LOST))) \* 100

The ACBS Cooperation Rate is the proportion of completed interviews (COIN) among all eligible respondents who are recruited and actually contacted for the ACBS interview. Eligible respondents who refuse the call-back at the time of the BRFSS interview (TERE\_AT\_BRFSS) are included. Non-contacts are excluded from the denominator but contacts with communication problems specific to the respondent with asthma are included.

The Council of American Survey Research Organizations (CASRO) rate is a measure of respondent cooperation and is generally defined as the proportion of all eligible respondents in the sample for whom an interview has been completed. The numerator of the CASRO rate includes completed interviews (COIN). The denominator includes contacted eligible (CONELIG) and terminations and refusals (TERE\_AT\_BRFSS) and a proportion of those eligible but lost to follow-up. The proportion represents an estimate of the number of those lost to follow-up who would be expected to remain eligible if they had been contacted.

The Refusal Rate is the percentage of all eligible respondents that refuse to be interviewed or terminate an interview early in the questionnaire. The numerator includes terminations and refusals (TERE\_AT\_BRFSS and TERE\_AT\_ACBS). The denominator is the same as for the CASRO rate.