**Attachment 16
0920-0740**

**Formulas Used in MMP Response Rate Calculations**

Facility Response Rates by Project Area

* RFP = Facility Participation Rate
* RFC=Facility Cooperation Rate
* FP= Participating Facilities
* FC= Cooperating Facilities
* FT=Total Facilities in Sampling Frame

$$R\_{FP} =\frac{F\_{P}}{F\_{T}}$$

$$R\_{FC} =\frac{F\_{PC}}{F\_{T}}$$

Raw and Adjusted Patient Response Rates

* I= All complete Interviews
* P= All partially complete interviews
* R= Refusals
* NC= Non-Contacts
* U= Cases of unknown eligibility
* e= Estimated Eligibility Rate
* e\*U= Expected number of eligible individuals among those cases with unknown eligibility status

Formulas used for Raw Response Rates:

$$RR\_{1}=\frac{(I+P) }{(I+P+R+NC+U)}$$

$$RR\_{2}=\frac{(I) }{(I+P+R+NC+U)}$$

Formulas used for Adjusted Response Rates:

$$RR\_{3}=\frac{(I+P) }{(I+P+R+NC+e\*U)}$$

$$RR\_{4}=\frac{(I) }{(I+P+R+NC+e\*U)}$$

Formulas for Combined Response Rate:

* RC= Combined Response Rate
* RFP = Facility Participation Rate

$$R\_{C}=(R\_{FP})\*(RR\_{3})$$

$$R\_{C}=(R\_{FP})\*(RR\_{4})$$