ABPM analysis steps:

1. Using the ABDA dataset, create a new dataset with an indicator variable to denote individuals who have at least observation in the dataset “ABDA.” We will call this ABPM\_obs.

N= 1,148; obs= 102,846

2. Delete “invalid” measurements – i.e. those where:

a) SBP < 60

b) DBP < 30, or

c) ABDA= “\*\*”, “\*\*CONCLUSION OF TEST”, “\*\*Correlation Reading”, “\*\*DIA Max Edit”, “\*\*DIA Max EditCONCLUSION OF TEST”, “\*\*DIA Min Edit”, “\*\*DIA Min EditCONCLUSION OF TEST”, “\*\*HR Max Edit”, “HR Max EditCONCLUSION OF TEST”, “\*\*HR Min Edit”, “\*\*PP Max Edit”, “\*\*PP Min Edit”, “\*\*SYS Min Edit”, “Suspect Data”, “Suspect DataBEGINNING OF TEST”, or “Suspect DataCONCLUSION OF TEST”

N= 1,146; obs= 66,224

3. Delete duplicate records

N= 1,146; obs= 65,304

4. Create indicator variable to denote individuals with valid clinic BP. We will call this CBP\_valid.

Clinic BP is valid if:

1) not missing

2) clinic SBP < 300

3) clinic DBP > 0 and < 300

4) clinic DBP < clinic SBP

5. Use the variable “line number” to create a numeric variable called “order.” We will use this variable to sort the ABPM measurements.

6. Create indicator variable to denote individuals with at least 1 valid ABPM measurement. We will call this ABPM\_1valid.

N= 1,146

7. Determine the number of measurements per person with valid SBP and DBP.

Range: 2 – 154.

8. Define “daytime” and “nighttime” in two ways:

a. IDACO method: daytime defined as 10a – 8p; nighttime defined as 12p – 6a

b. JHS method: daytime and nighttime defined by self-reported sleep diaries

9. Determine number of participants meeting the following criteria. These individuals will form the base study population. We will apply these criteria separately.

a. Valid by IDACO criteria: 10 daytime and 5 nighttime SBP and DBP measurements. This analysis will use IDACO “daytime” and “nighttime” hours.

N= 1,046

b. Valid by JHS criteria: 54 SBP and DBP measurements during the 24-hour period and at least 1 SBP and DBP measurement per hour.

N= 541

c. Valid by both IDACO and JHS criteria.

N= 541