# http://jhs.jsums.edu/jhsinfo/Portals/0/images/JHS_logo_2011.jpg

**About the Data: BPCS**

The BPCS (Blood Pressure Comparability Study) folder contains data relevant to the calibration of blood pressures across exam visits.

At exam 1, all JHS participants’ blood pressure measurements were taken using a random-zero sphygmomanometer (RZS). At exam 2, some participants’ blood pressure measurements were taken using a random-zero sphygmomanometer, while others’ were taken using an automated oscillometric device (AOD), with 2117 participants’ blood pressure measurements taken using both devices simultaneously. At exam 3, all participants’ blood pressure measurements were taken using an automated oscillometric device.

Using the exam 2 participant cohort with simultaneous blood pressure measurements as a reference, the JHS coordinating center has calibrated random-zero sphygmomanometer measurements at exams 1 and 2 to automated oscillometric device measurements, in an attempt to preserve epidemiological generalizability of biological changes in participants’ blood pressures.

BPCalibrated: This dataset contains original RZS-measured blood pressure values for exams 1 and 2, as well as original AOD-measured blood pressure values for exams 2 and 3. Furthermore, this dataset contains calibrated blood pressure values for each of the following methods:

1. “Ignore the change”
2. Ordinary least squares regression
3. Average difference
4. Deming regression
5. Robust regression