

Tulane University
The Bogalusa Heart Study

The Bogalusa Heart Study is a long-term, epidemiological study concerned with the early natural history of arteriosclerosis in a biracial (1/3 African American, 2/3 White) community. Seven cross-sectional cardiovascular risk factor screenings of children aged 5 to 17 years were conducted between 1973 and 1993. The panel design of repeated cross-sectional examinations conducted approximately every three years, resulted in multiple observations for many participants that are now reaching middle age. Study variables have included cardiovascular risk factors such as obesity, blood pressure, lipoproteins, glucose and insulin. Other data collected during the course of the study include demographics, parental history, and environmental factors such as tobacco use, alcohol use, and oral contraceptives.

This Bogalusa Heart Study Limited Access Data (LAD) set contains the seven cross-sectional exams on adolescent participants and 1 cross-sectional exam on adults (20-37). Due to the unique nature of the Bogalusa exams, the data is both cross-sectional and longitudinal. Aside from the initial exam, each exam cycle consists of both new participants and participants attending a repeat exam.

Exam cycles are based on a protocol name. The pediatric exams are cycles B100, B400, B600, B900, C300, C600 and Z200. The Z510 exam cycle was specific to participants 18 or over. Most of the Z510 participants can be linked to at least one pediatric exam.

The age distribution at each Exam cycle is shown below:

Exam	N	Mean	Std	Min	P10	P25	Median	P75	P90	Max	Exam Years
B100	3854	10.1	3.1	3	6	8	10	13	14	18	73-74
B400	4212	11.2	3.9	4	6	8	11	15	16	24	76-77
B600	3693	10.8	3.8	3	6	7	11	14	16	21	78-79
B900	3424	10.5	3.7	3	6	7	10	14	16	21	81-82
C300	2661	12.5	2.9	6	9	10	13	15	16	21	83-85
C600	3346	10.6	3.7	3	6	8	10	14	16	21	87-88
Z200	3247	11.0	3.6	4	6	8	11	14	16	20	92-94
Z510	1392	29.4	5.1	20	22	25	30	34	36	37	95-96

A total 11,796 participants are included in the limited access dataset over the eight exam cycles.