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| **Table S1**. Biorepository Studies  |  |  |  |
| **Cohort Name** | **HUM** | **N cases** | **N valid emails** | **N enrolled** |
| Michigan Genomics Initiative-Anesthesiology Collection Effort (MGI) | HUM00071298 | 64,155 | 42,293 | 6,625 |
| Cardiovascular Health Improvement Project (CHIP) | HUM00052866 | 5,254 | 3,253 | 537 |
| Michigan Racial Equality and Community Health (MREACH) | HUM00146997 | 272 | 202 | 26 |
| Mental Health Biobank (MHB2) | HUM00097962 | 1,975 | 1,616 | 259 |
| Michigan Genetics of Atherosclerosis and Lipids (MGOAL) | HUM00095768 | 278 | 216 | 41 |
| Biorepository with a Special Emphasis on COVID-19 Related Research | HUM00179787 | 85 | 58 | 20 |
| Biobank to Illuminate the Genomic Basis of Pediatric Disease (BIGBiRD) | HUM00141565 | 211 | 113 | 13 |
| Analgesic outcomes Study (AOS) | HUM00028683 | 781 | 460 | 76 |
| Michigan Genomics Initiative-Metabolism, Endocrinology, and Diabetes (MGI-MEND)  | HUM00099197 | 3,140 | 2,496 | 432 |
| Bicuspid Aortic Valve Registry (BAV Registry) | HUM00035836 | 207 | 113 | 18 |