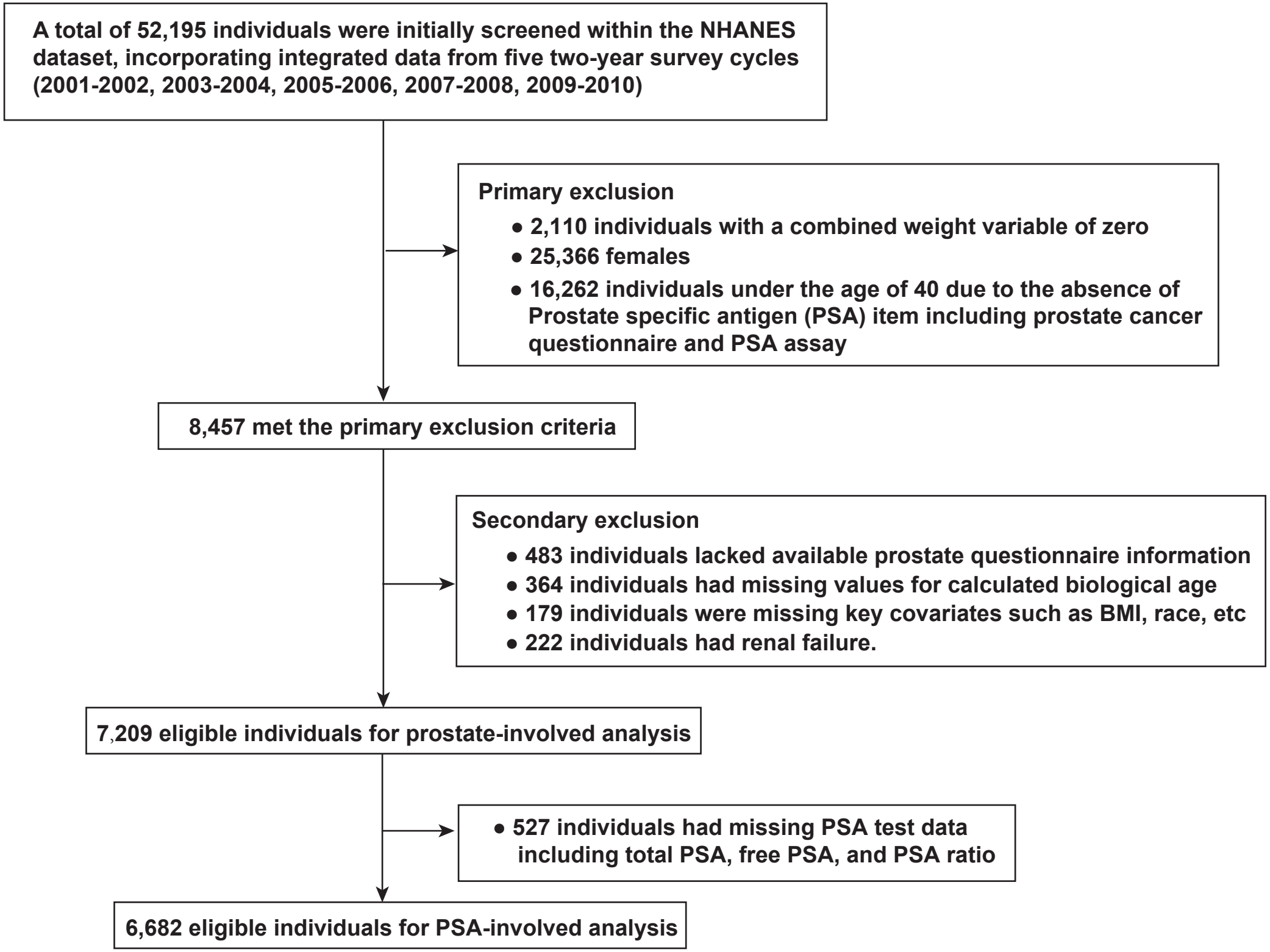
Figure S1


A total of 52,195 individuals were initially screened within the NHANES dataset, incorporating integrated data from five two-year survey cycles (2001-2002, 2003-2004, 2005-2006, 2007-2008, 2009-2010)
Primary exclusion
• 2,110 individuals with a combined weight variable of zero
• 25,366 females
• 16,262 individuals under the age of 40 due to the absence of Prostate specific antigen (PSA) item including prostate cancer questionnaire and PSA assay
8,457 met the primary exclusion criteria
Secondary exclusion
• 483 individuals lacked available prostate questionnaire information
• 364 individuals had missing values for calculated biological age
• 179 individuals were missing key covariates such as BMI, race, etc
• 222 individuals had renal failure.
7,209 eligible individuals for prostate-involved analysis
• 527 individuals had missing PSA test data including total PSA, free PSA, and PSA ratio
6,682 eligible individuals for PSA-involved analysis