

# Quality Report

## Basic Statistics

Column | Unit | Real Mean | Synth Mean | Mean Diff % | Real Std | Synth Std | Std Diff %

### Pregnancies (count)

Real Mean: 3.85 | Synth Mean: 2.4 | Diff: 37.50%

Real Std: 3.37 | Synth Std: 3.09 | Diff: 8.21%

### Glucose (mg/dL)

Real Mean: 120.89 | Synth Mean: 123.43 | Diff: 2.09%

Real Std: 31.97 | Synth Std: 30.13 | Diff: 5.75%

### BloodPressure (mm Hg)

Real Mean: 69.11 | Synth Mean: 71.92 | Diff: 4.08%

Real Std: 19.36 | Synth Std: 12.52 | Diff: 35.30%

### SkinThickness (mm)

Real Mean: 20.54 | Synth Mean: 29.03 | Diff: 41.34%

Real Std: 15.95 | Synth Std: 10.65 | Diff: 33.27%

### Insulin (uU/mL)

Real Mean: 79.8 | Synth Mean: 163.03 | Diff: 104.30%

Real Std: 115.24 | Synth Std: 108.54 | Diff: 5.82%

### BMI (kg/m^2)

Real Mean: 31.99 | Synth Mean: 32.46 | Diff: 1.47%

Real Std: 7.88 | Synth Std: 6.96 | Diff: 11.72%

### DiabetesPedigreeFunction (score)

Real Mean: 0.47 | Synth Mean: 0.46 | Diff: 2.22%

Real Std: 0.33 | Synth Std: 0.31 | Diff: 7.35%

### Age (years)

Real Mean: 33.24 | Synth Mean: 34.96 | Diff: 5.17%

Real Std: 11.76 | Synth Std: 12.94 | Diff: 10.04%

### Outcome (0/1)

Real Mean: 0.35 | Synth Mean: 0.33 | Diff: 5.72%

Real Std: 0.48 | Synth Std: 0.47 | Diff: 1.44%

## Privacy Check

Total Real Rows: 768

Total Synthetic Rows: 1000

Leaked Rows: 0

Privacy Check Passed: No rows leaked