Figure 1

File:

Fig1.tiff

Legend:

A scatterplot of the hypothetical individual patient data (IPD)

Figure 2

File:

Fig2 PSA\_boot.tiff

Legend:

Scatterplot of 1000 PSA draws of the joint means of *U*1 and *U*2 produced by bootstrapping the IPD in table A1

Figure 3

File:

Fig3 Dif\_comparison.tiff

Legend:

Comparison of the distribution of estimates of *U*2, *U*1 and *U*1\* produced using Method 10

Figure 4

File:

Fig4 PSA\_all.tiff

Legend:

Scatterplots of *U*2 against *U*1 for each of the methods

Figure 5

File:

Fig5 Vioplot\_all.tiff

Legend:

Violin plots of a) (top figure) distribution of estimates of *U*1; b) (centre figure) distribution of estimates of U2; c) (bottom figure) distribution of estimates of *U*1 - *U*2. In each plot distributions produced by each of the ten methods are compared with those produced by the bootstrapped estimates, labelled ‘Boot’. The white dots indicate the sample means. The thick vertical dark black lines indicate the interquartile range. The thin vertical black lines indicate the 95% intervals.

Figure 6

File:

Fig6 Vioplot\_all.tiff

Legend:

Results of supplementary analysis for selected method. a) Density plot of distribution of estimates for *U*1, *U*2 (independent sampling), and *U*2\* (estimates of *U*2 using the differencing method). b) scatterplot of *U*2 against *U*1 for method 8; c) scatterplot of *U*2 against *U*1 for method 9; d) scatterplot of *U*2 against *U*1 for method 10.