

## **Limitations of the Investigation and Further Work**

There are three identified limitations of this investigation. The first is the way in which the estimates of variance were calculated for the estimates of the proportions in the Y2K investigation. These estimates of variance assume that the number of operating businesses in the population is known, when in fact this number is estimated from the sample. This additional estimation introduces an additional variance component. Therefore, the estimated variance used in the Y2K investigation will be a slight underestimate. However, this underestimate is expected to be small and for the purposes of this study, it is not deemed to be a significant limitation.

The second limitation of this study is that the simulations were based on only two different population distributions. It would be desirable to run additional simulations on other population distributions.

The third limitation of this study is that in the calculation of the tests of differences between the estimates at different time points, it has been assumed that the distribution of these estimates is normal. However, the distribution of the differences between the estimates will be slightly skewed. However, it is expected that this will not have a large effect on the results obtained.

Although the limitations of this investigation are expected to have minimal impact on the conclusions drawn, there is an opportunity for further work to be undertaken to minimise these limitations.