**Cost Benefit Analysis Exercise**

The following is a simple comparison of the costs of a collecting data via paper versus electronic means. It does not include all costs but is meant to be illustrative.

Background information

|  |  |
| --- | --- |
| Enumerators | 20 |
| Interviews Group A | 3000 |
| Interviews Group B | 30,000 |
| Hourly Rate | $5 |
| Time per interview and Data Entry – Paper (Minutes) | 5 |
| Time per data entry\* – Paper (Minutes) | 5 |
| Time per interview – Electronic (Minutes) | 3 |
| Cost per device | $300 |

\* Same as number of interviews

Calculation Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Time for Interviews (hours)** | **Time for Data Entry (hours)** | **Total Costs of Wages** | **Device Costs** | **Total Costs** |
| **Paper** |  |  |  |  |  |
| **Electronic** |  |  |  |  |  |

Notes

1. There is no additional time for data entry associated with electronic data collection as interviews and data entry are done at the same time.
2. There is no cost for device associated with paper.

*Formulas*

Total time for interviews in hours = (Interviews x Time per interview)/60

Total time for data entry in hours = (Interviews x Time per data entry)/60

Total Costs of Wages = (Time for Surveys+Time for Entry)\*Hourly Rate