# Pre-analysis plan

## Effective use of SMS: improving government confirmation processes

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| **Title:**  | Effective use of SMS: improving government confirmation processes  |
| **Country:** | Australia |
| **Additional key words:** | Government, communication, SMS, administration |
| **JEL Code(s):** | M – Business administration and business economics  |
| **Abstract:** | If a parent/s feels that their Child Support Assessment (an assessment to determine the amount of child support to be paid / received) has not taken into account a special circumstance, they can apply for a Change of Assessment (CoA). This is done by lodging a form with the Australian Government Department of Human Services’ (Human Services) Child Support team.BETA will work with the Human Services’ Behavioural Insights Team and Child Support team to test the efficacy of SMS communication aimed at reducing inbound calls relating to checking on the progress of the Change of Assessment form. This project will tap into the concept of increasing information between clients and service providers. |
| **Trial Start date:** | Thursday, 02 March 2017 |
| **Intervention Start date:** | Thursday, 02 March 2017 |
| **Trial End Date:** | Thursday 13 April 2017 – end of active intervention periodData will be collected until all assessment forms are allocated to a decision-maker. This may be 30 June 2017. |
| **Outcome:** | Primary: Number of telephone calls to Child Support areaSecondary: Time between form lodgement and telephone call to Child Support area regarding Change of Assessment form |
| **Intervention:**  | Informational SMS regarding Change of Assessment process for parents who have lodged a Change of Assessment form |
| **Experimental Design):** | 2-arm Randomised Controlled Trial. Approximately 2,400 parents are expected to lodge a Change of Assessment form during a 6-week period, and all will be part of this trial. Parents will be randomised into either intervention or control condition.Data (number of telephone calls to Child Support area) will be collected daily until all parents in the trial have been allocated to a decision-maker. |
| **Randomisation Method:** | Simple randomisation using the final digit of a randomly allocated client number |
| **Randomisation Unit:** | Individual |
| **Planned Number of Clusters:** | 2,400 |
| **Planned Number of Observations:**  | 2,400 |
| **Sample size (or number of clusters) by treatment arms:**  | Approximately 1,200 individual participants anticipated in treatment and control conditions |
| **Power calculation- Minimum Detectable Effect Size for Main Outcomes**: | A two proportion power calculation gives a sample size of 1222 per group at 80% power and a significance level of 0.05, expecting a 5% change in the primary outcome. |
| **Outcome Tables:** |

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| **Outcome** | **Experimental condition** |
|  | **Intervention** | **Control** |
| **Overall number of telephone calls to Child Support Agency** | **# of calls from treatment group** | **# of calls from control group** |

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| **Outcome** | **Experimental condition** |
|  | **Intervention** | **Control** |
| **Time from lodgement of form until call to Child Support Agency** | **Average time in days from lodgement to first call for treatment group** | **Average time in days from lodgement to first call for control group** |

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