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| 1. **State your hypotheses:** |
| 1. **Pick an outcome on which to base your sample size calculation** |
| * Why did you pick that outcome? |
| * How is this outcome operationalized (measured)? |
| * What type of variable it the outcome? Continuous, a proportion or percent, a count? |
| * What does the literature say about this outcome? |
| * Do you have pilot data? **Y/N** |
| * How big an effect do you think (or hope) you will see? *Circle one*   **very small small medium large very large** |
| * Does this outcome have a lot of variability? |
| * Do you have a continuous outcome? If yes: * What are the mean differences you expect to see between groups? What is the mean in your comparator group? How different to you expect your intervention/exposed group will be? * What is the variability of your measure (this is usually reported as a standard deviation (SD)). |

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| * Do you have a binary outcome (where you might test for differences in proportions between groups)? If yes: * What is the proportion you expect to see in the comparator group? How different do you expect your intervention/exposed group will be? |
| * Will you measure the outcome repeatedly in the same subject (longitudinal design)? If yes: * What is the within-subject correlation (intraclass correlation) in the outcome? |
| 1. **Pick  & **   **** |
| * Are there any feasibility considerations related to these choices? **Y/N** |
| * Are there any safety considerations related to these choices? **Y/N** |
| 1. What kind of attrition do you expect? **\_\_\_\_%** |
| 1. What kind of non-compliance do you expect? **\_\_\_\_%** |
| 1. How much time do you have to do the study? |
| 1. How many participants can you afford? |