



# Choosing the right quantitative evaluation design

Ana Stiglic

Middle East Monitoring & Evaluation Manager

Norwegian Refugee Council

June 2017



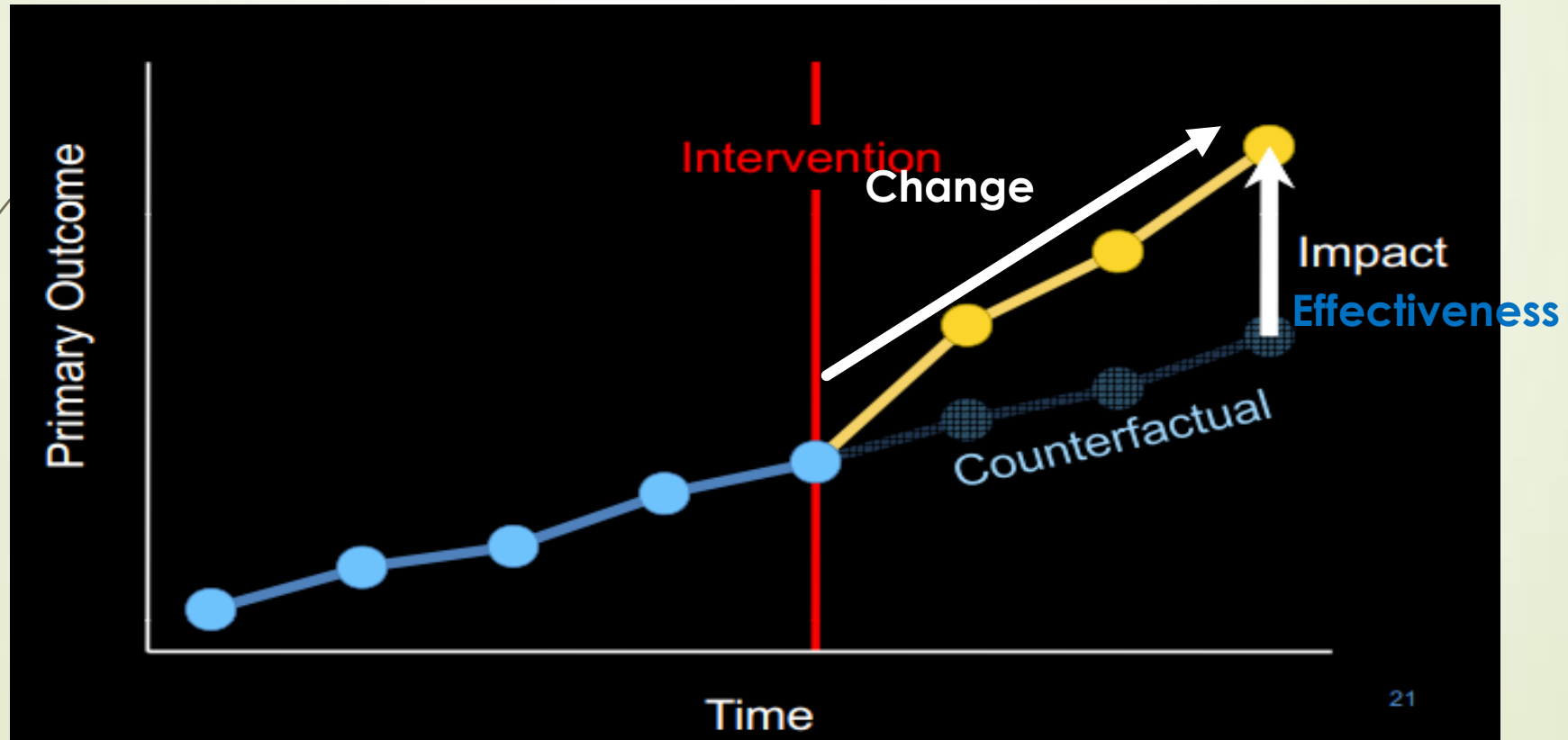
# Content



- ▶ A HOW-TO GUIDE in deciding the right design!
  - ▶ Research questions
  - ▶ Various other factors!
- ▶ More rigour!
- ▶ Awareness to conclusions we were making using designs

# Communicating with meaning

- Change. Effectiveness. Impact

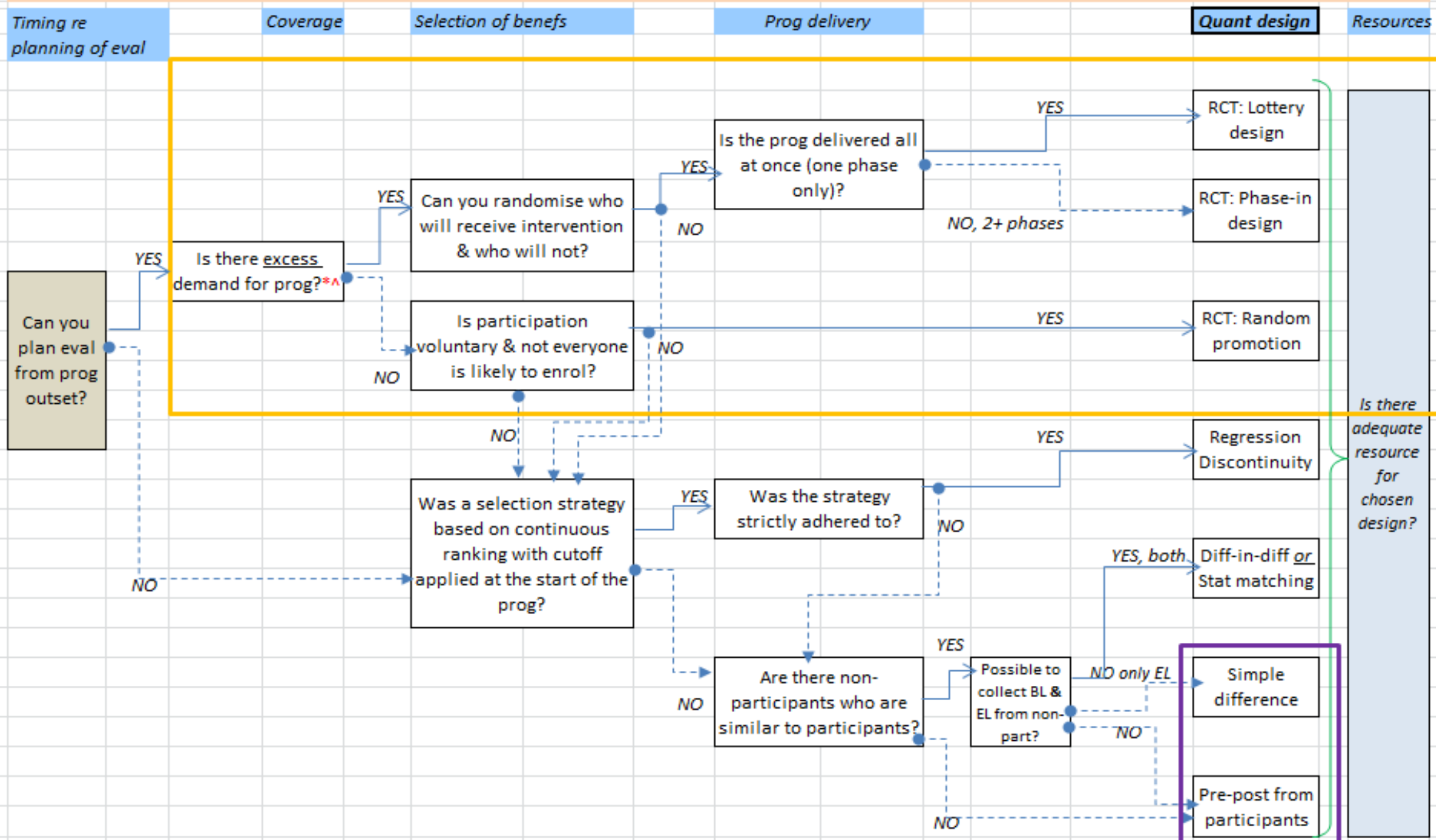


# Evaluation question should ALWAYS guide evaluation design...

..... HOWEVER.....

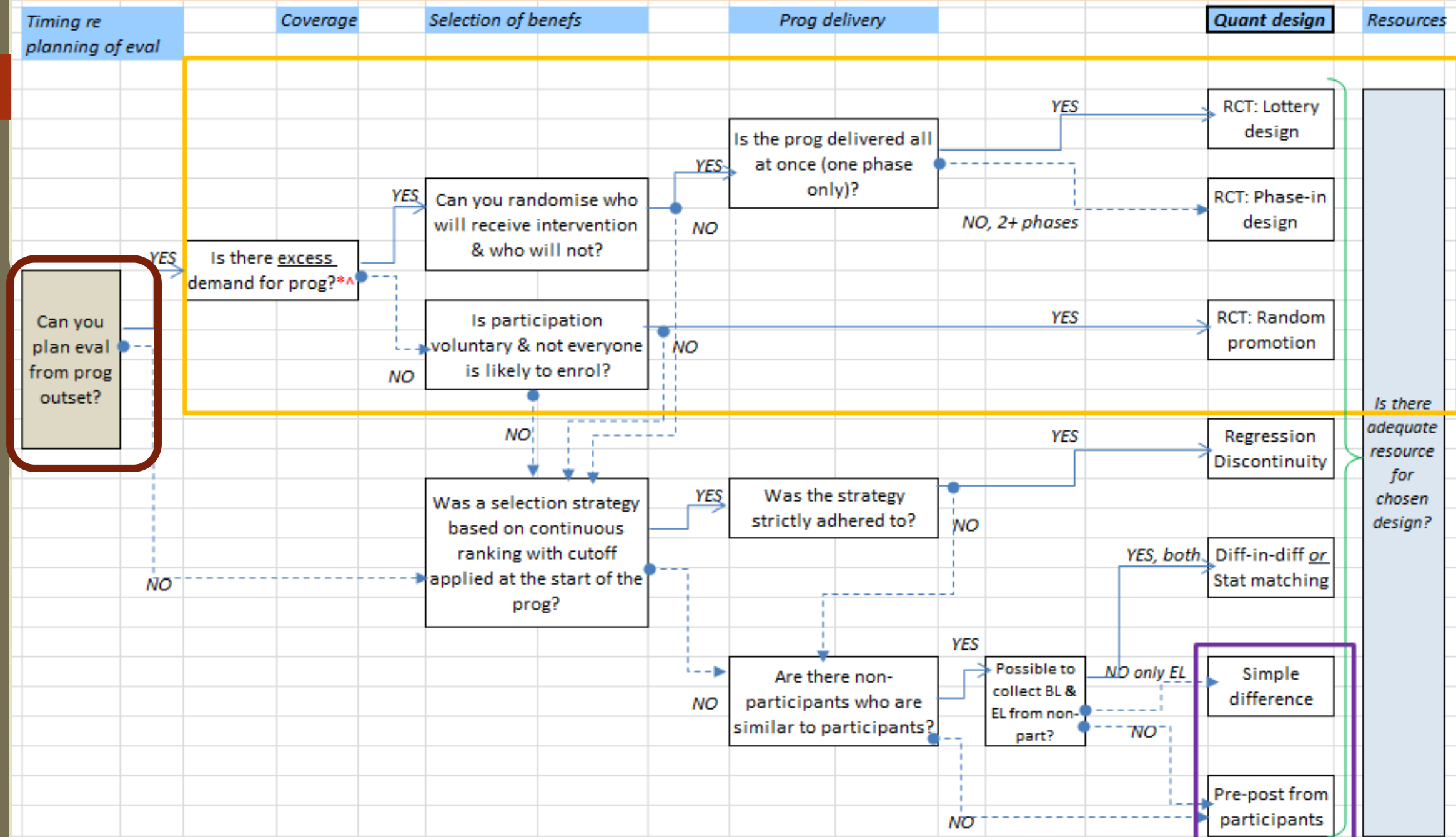
- **timing of the evaluation?**
- coverage of your programme?
- how beneficiaries were selected into the programme?
- how the programme is being delivered?
- **financial and human resources available?**

Decision making flow chart to choose the most appropriate evaluation design



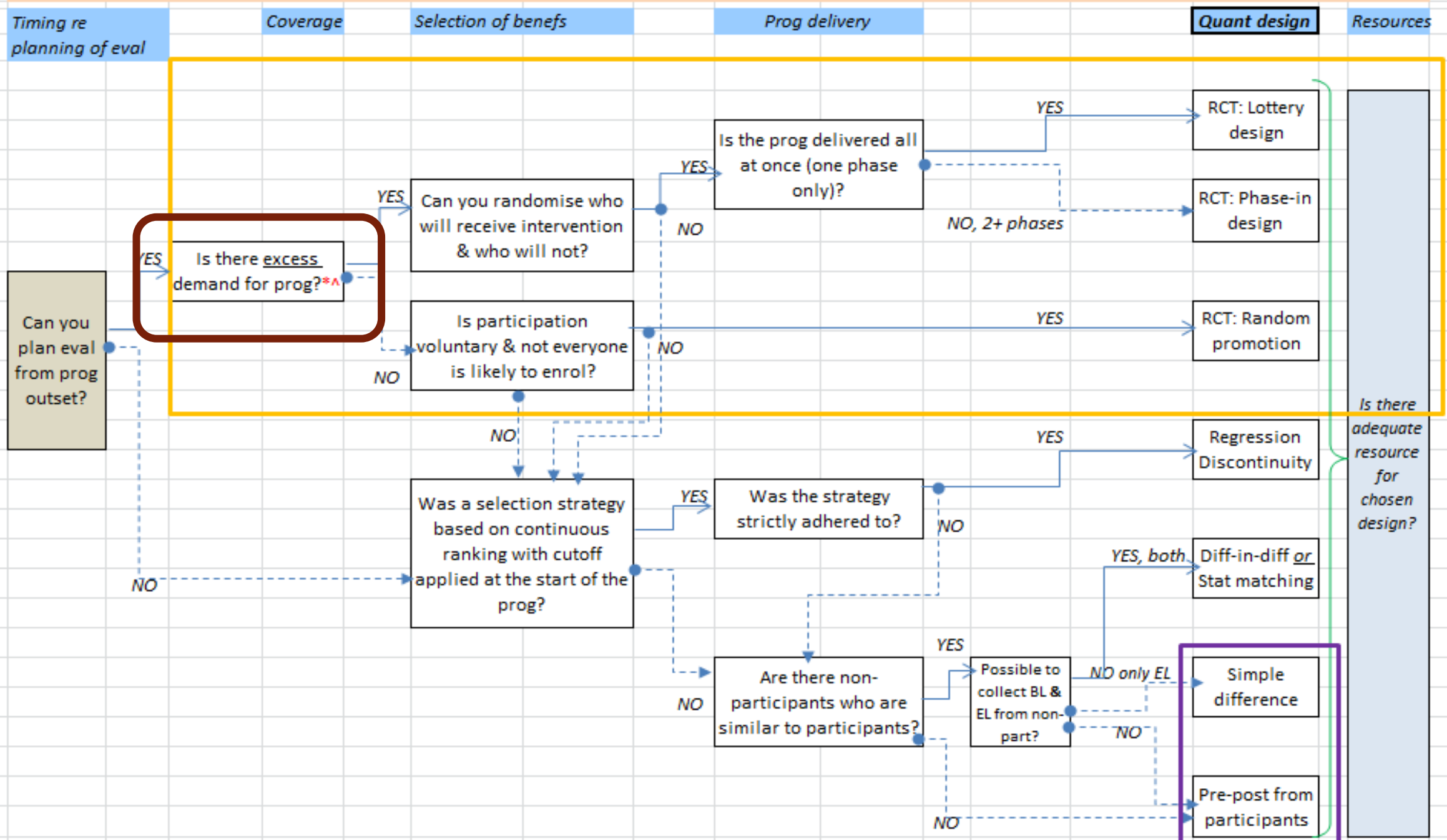
Legend:

Decision making flow chart to choose the most appropriate evaluation design



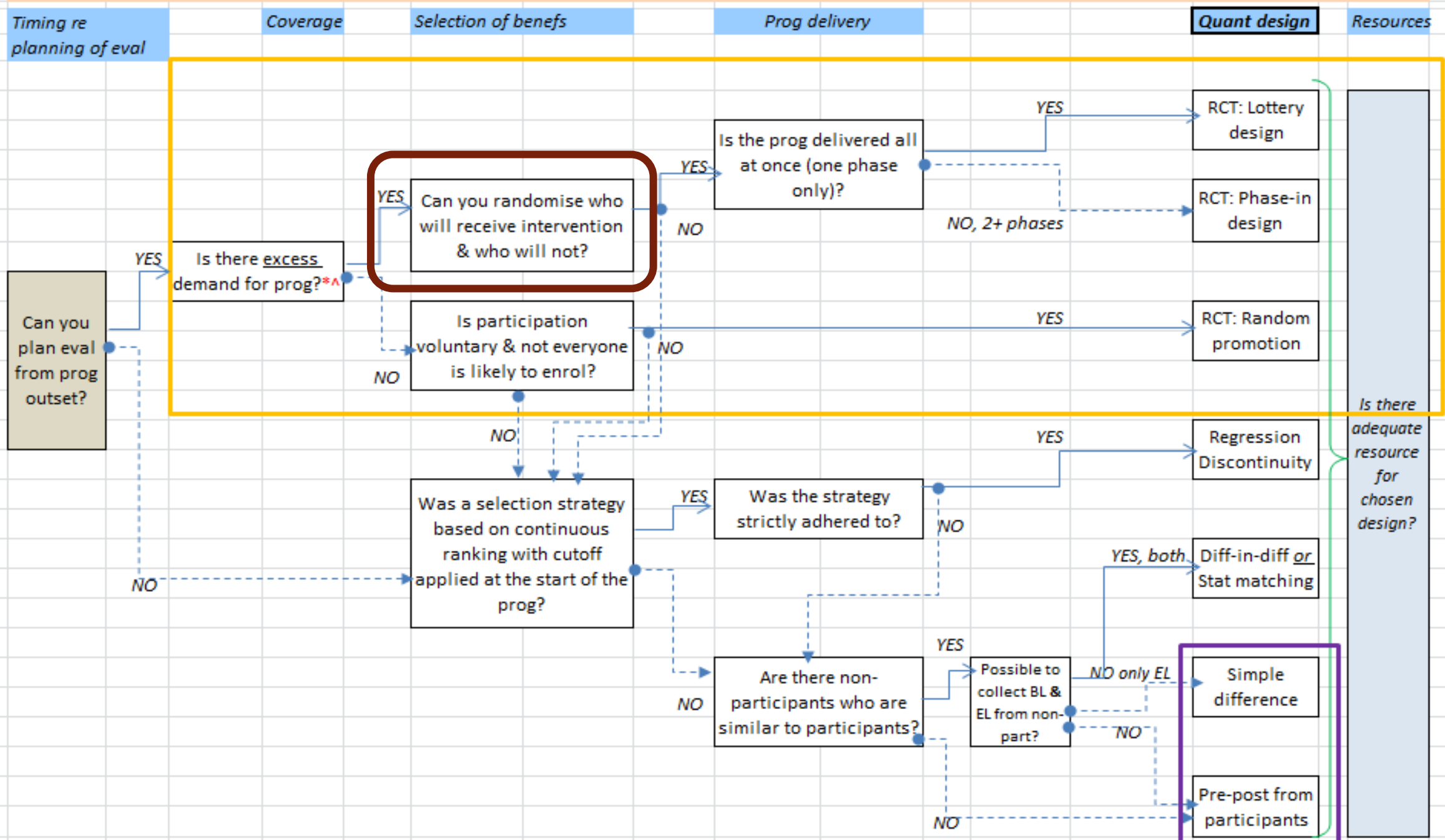
Legend:

Decision making flow chart to choose the most appropriate evaluation design



Legend:

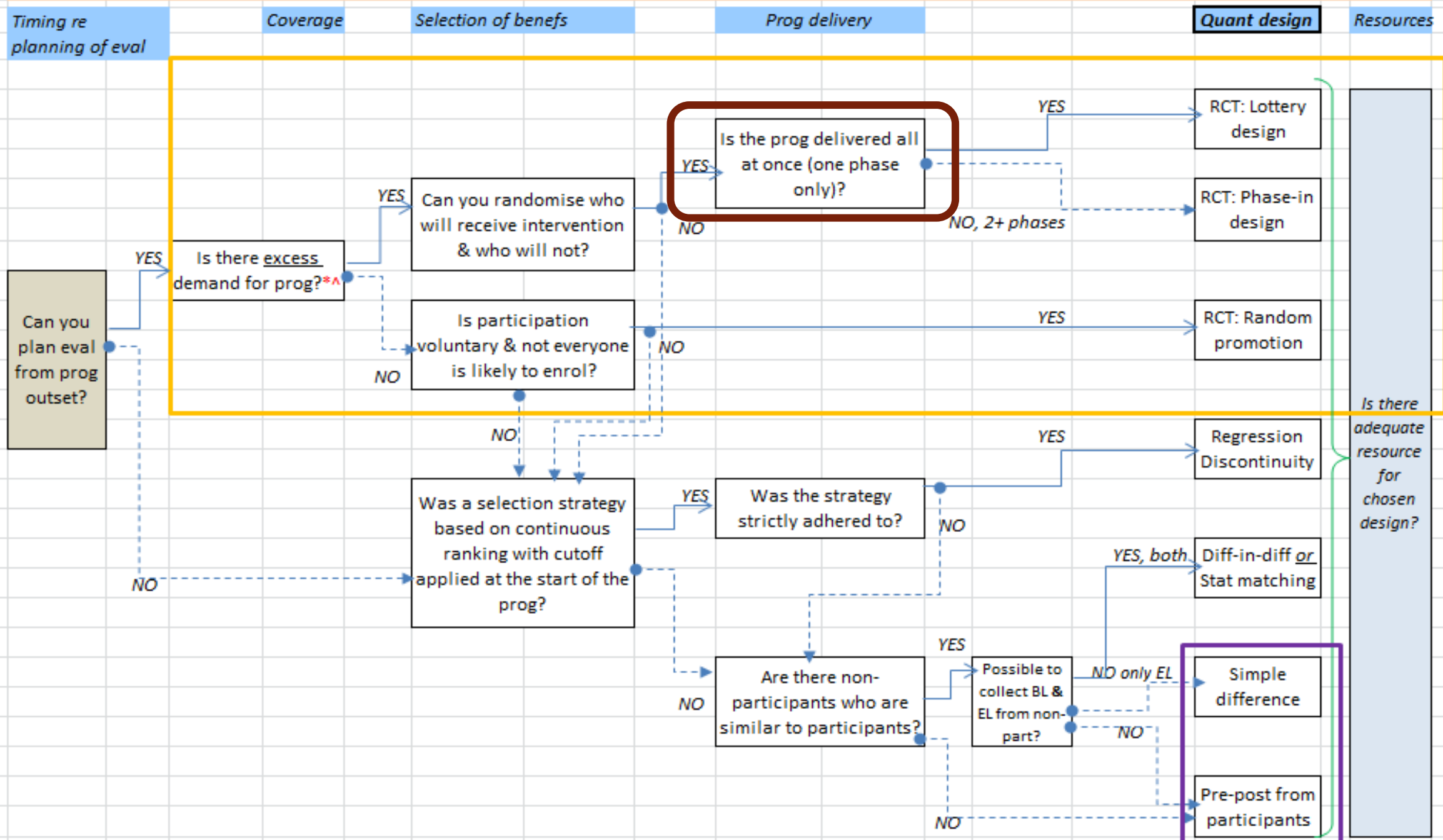
Decision making flow chart to choose the most appropriate evaluation design



Legend:

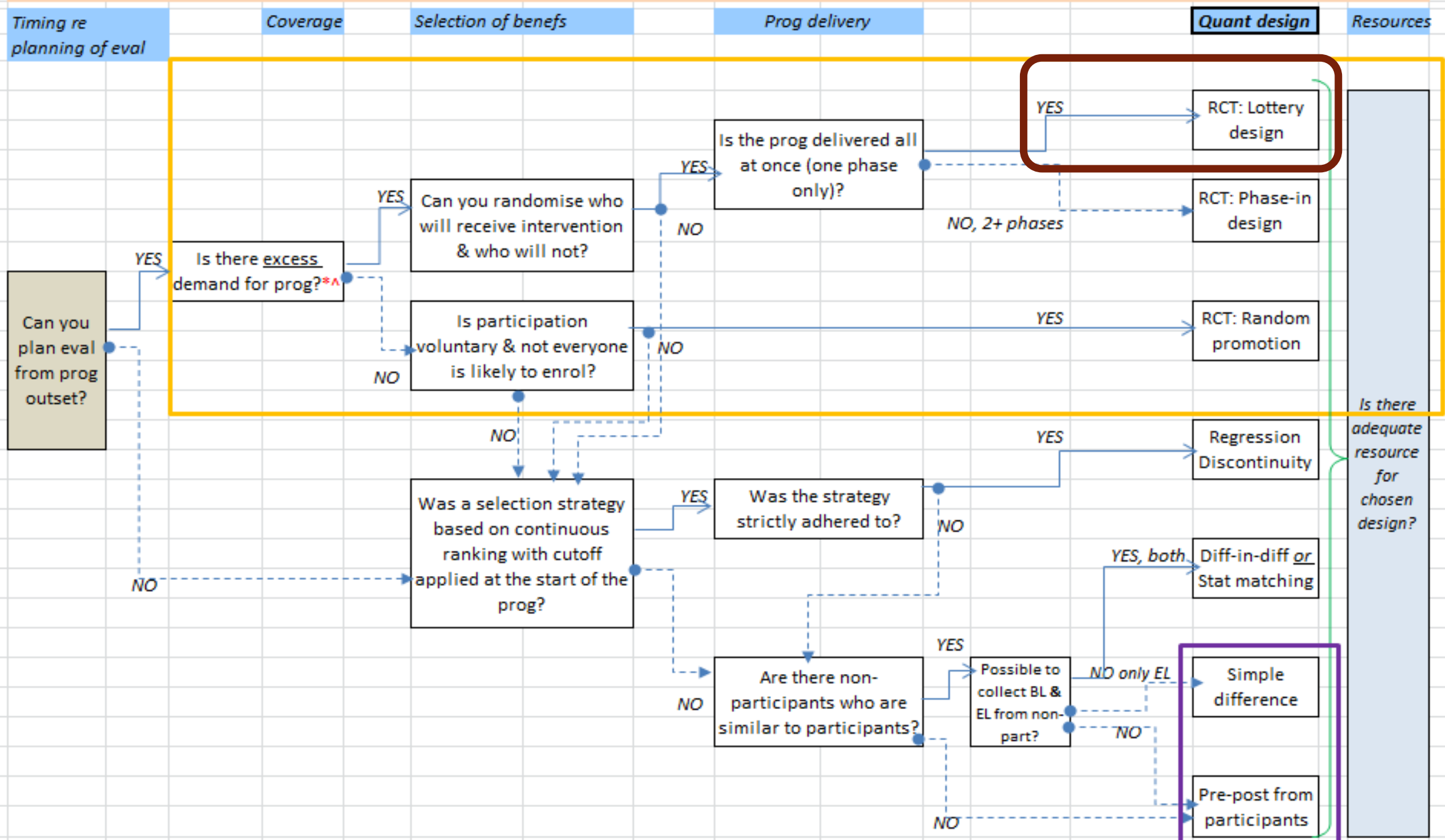


Decision making flow chart to choose the most appropriate evaluation design

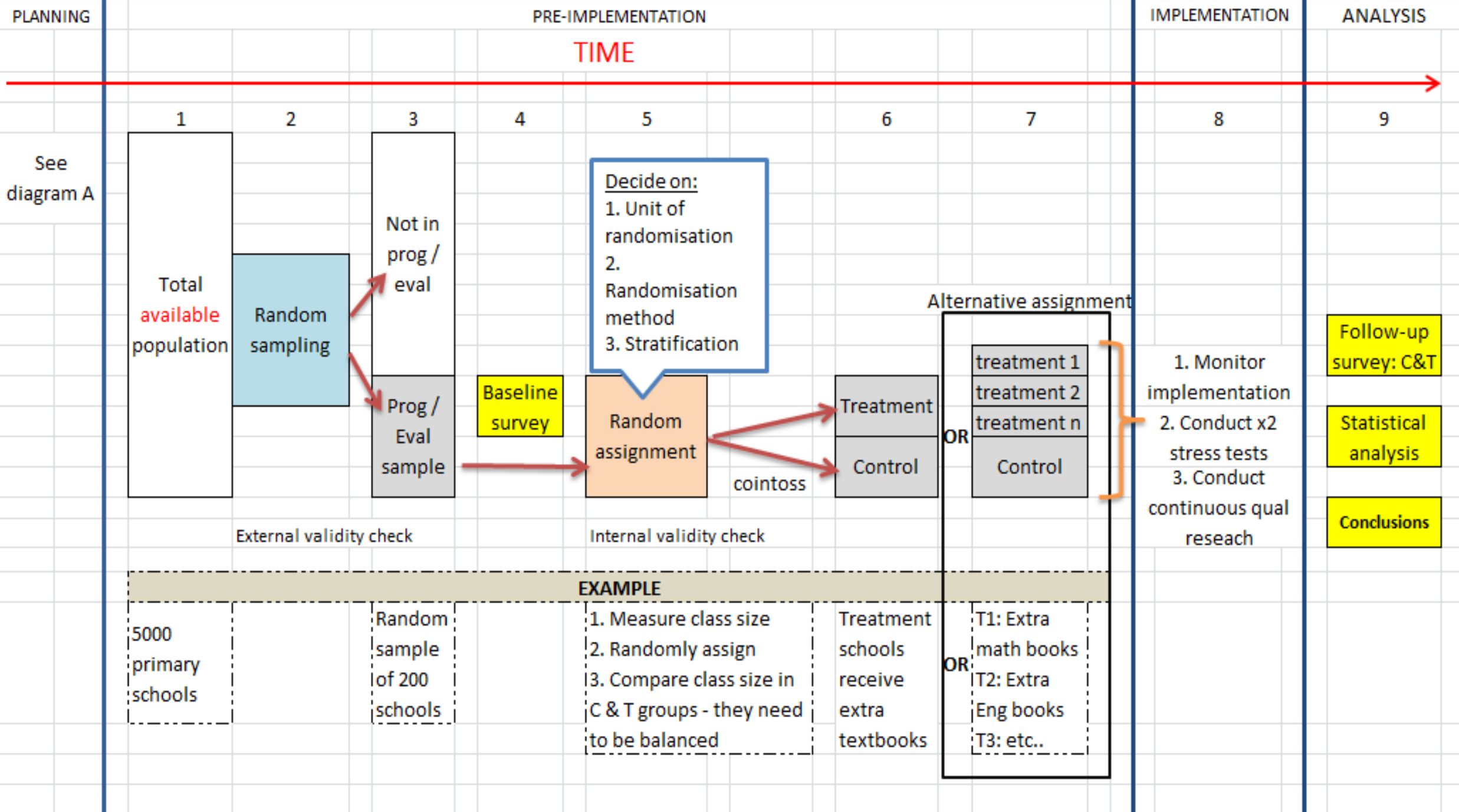


Legend:

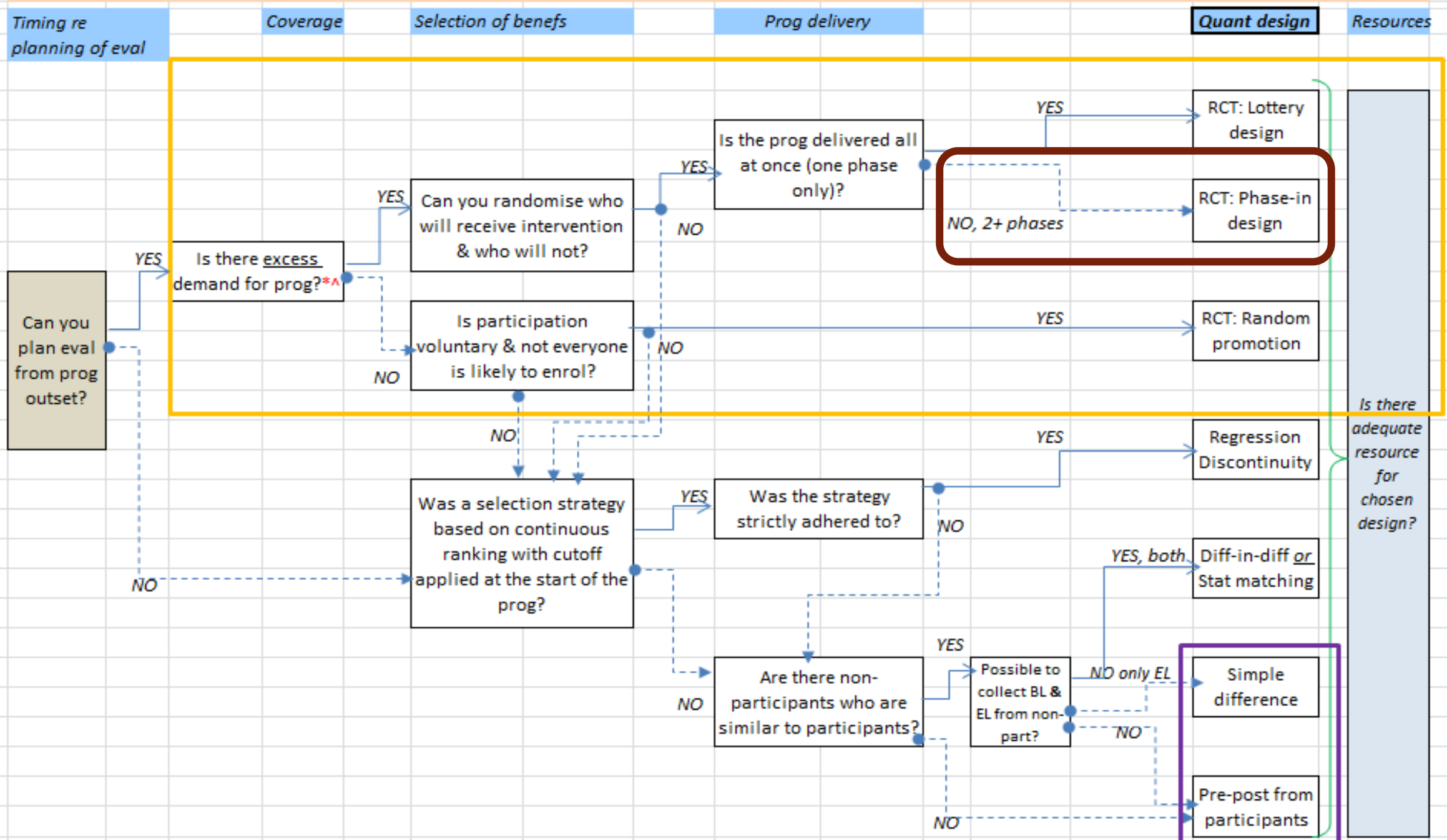
Decision making flow chart to choose the most appropriate evaluation design



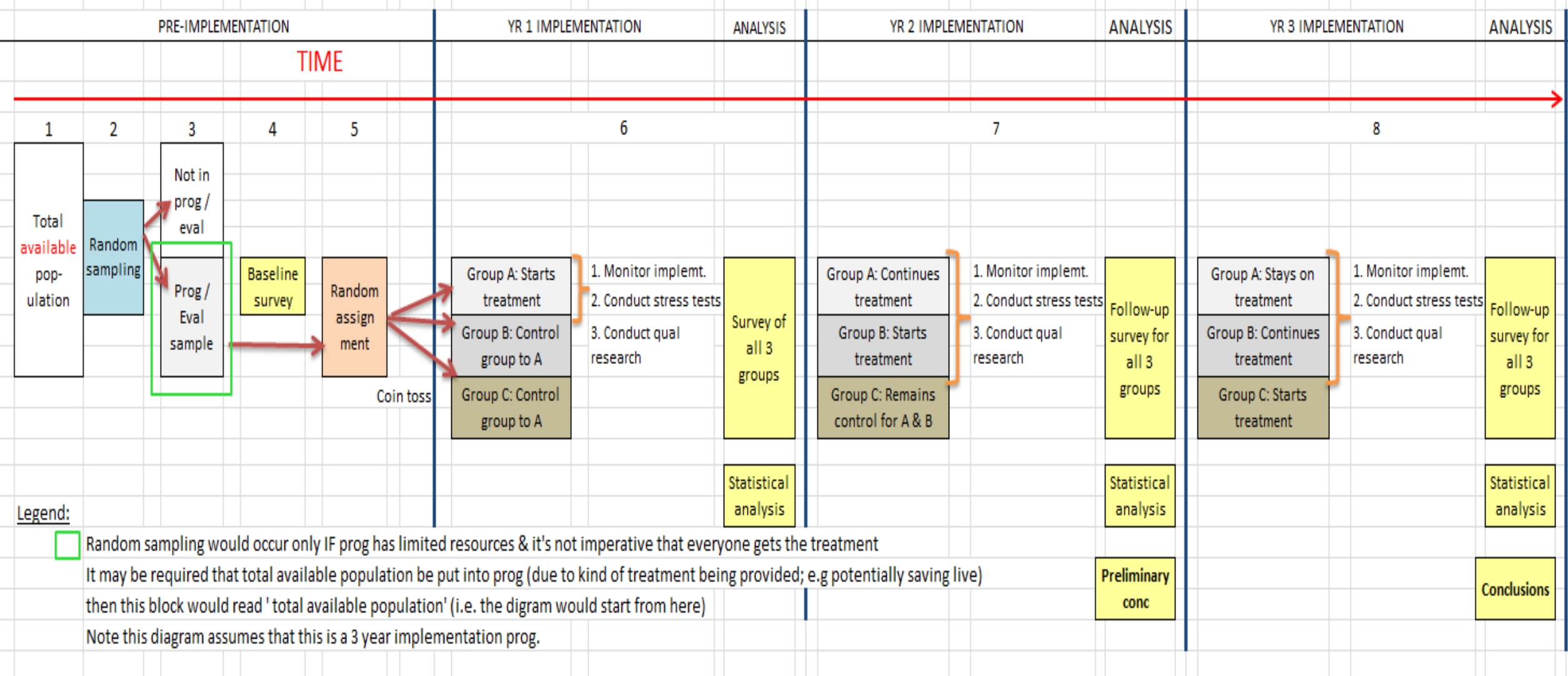
Legend:



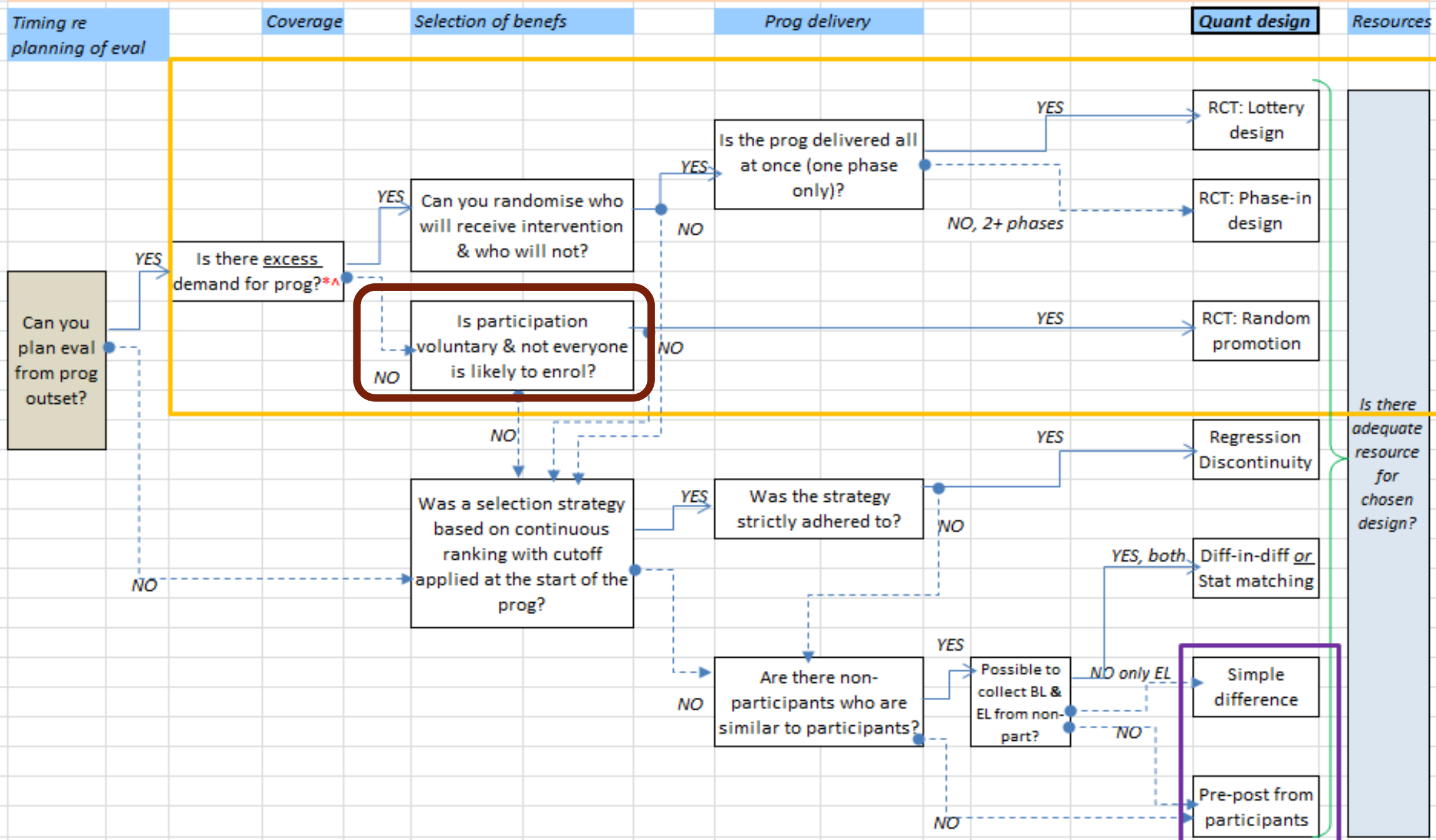
Decision making flow chart to choose the most appropriate evaluation design



Legend:

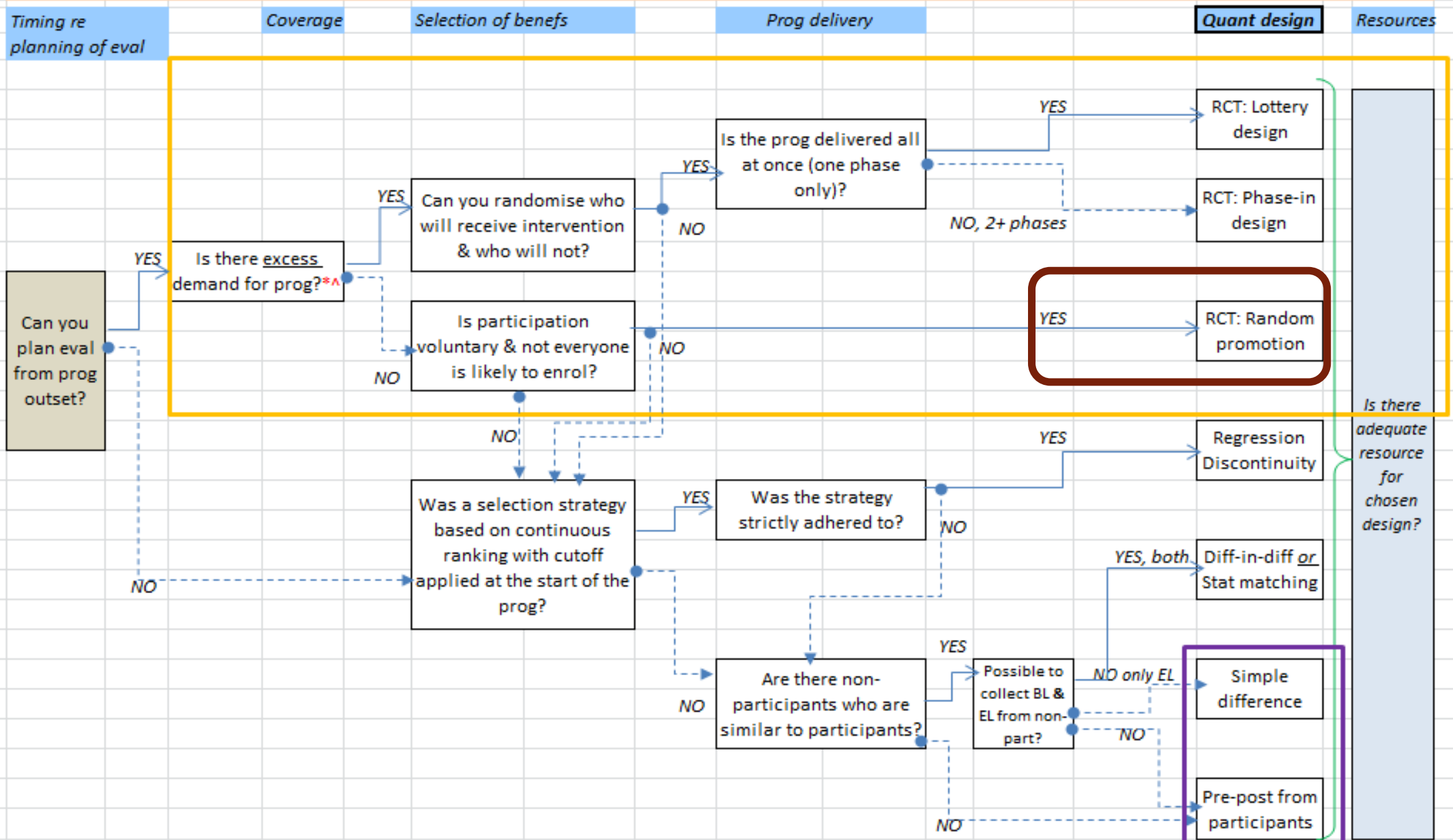


Decision making flow chart to choose the most appropriate evaluation design



Legend:

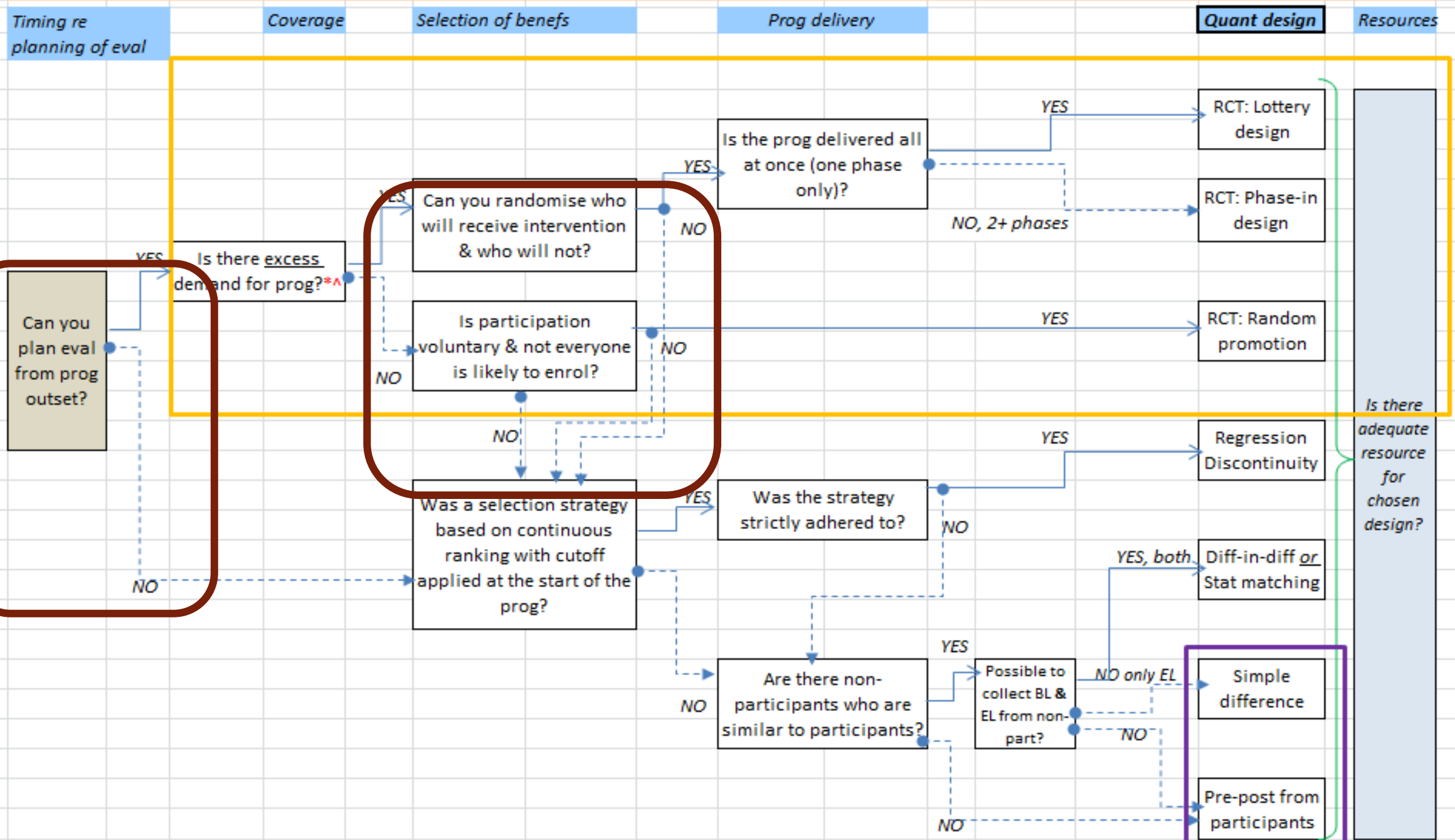
Decision making flow chart to choose the most appropriate evaluation design



Legend:



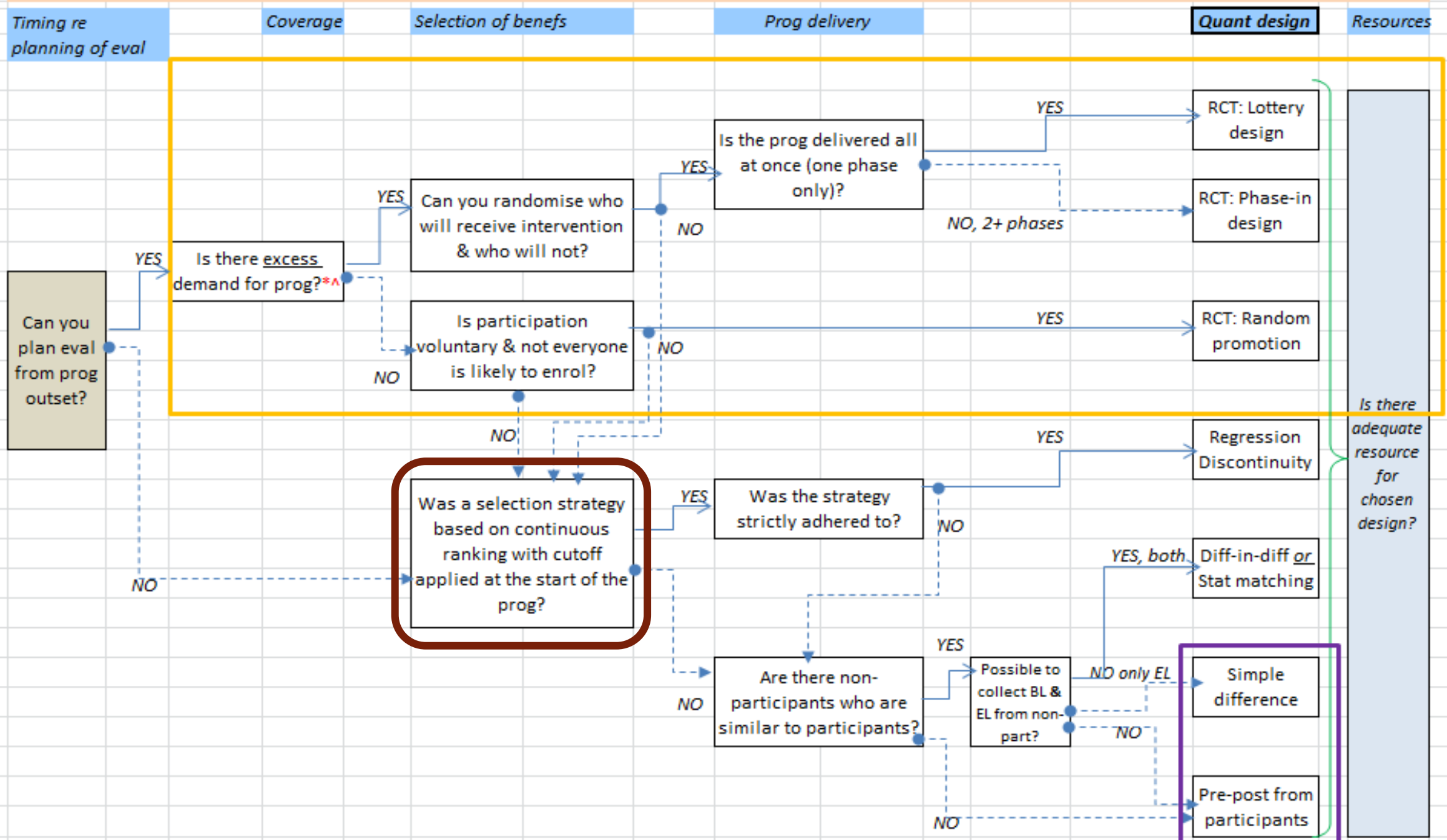
Decision making flow chart to choose the most appropriate evaluation design



Legend:

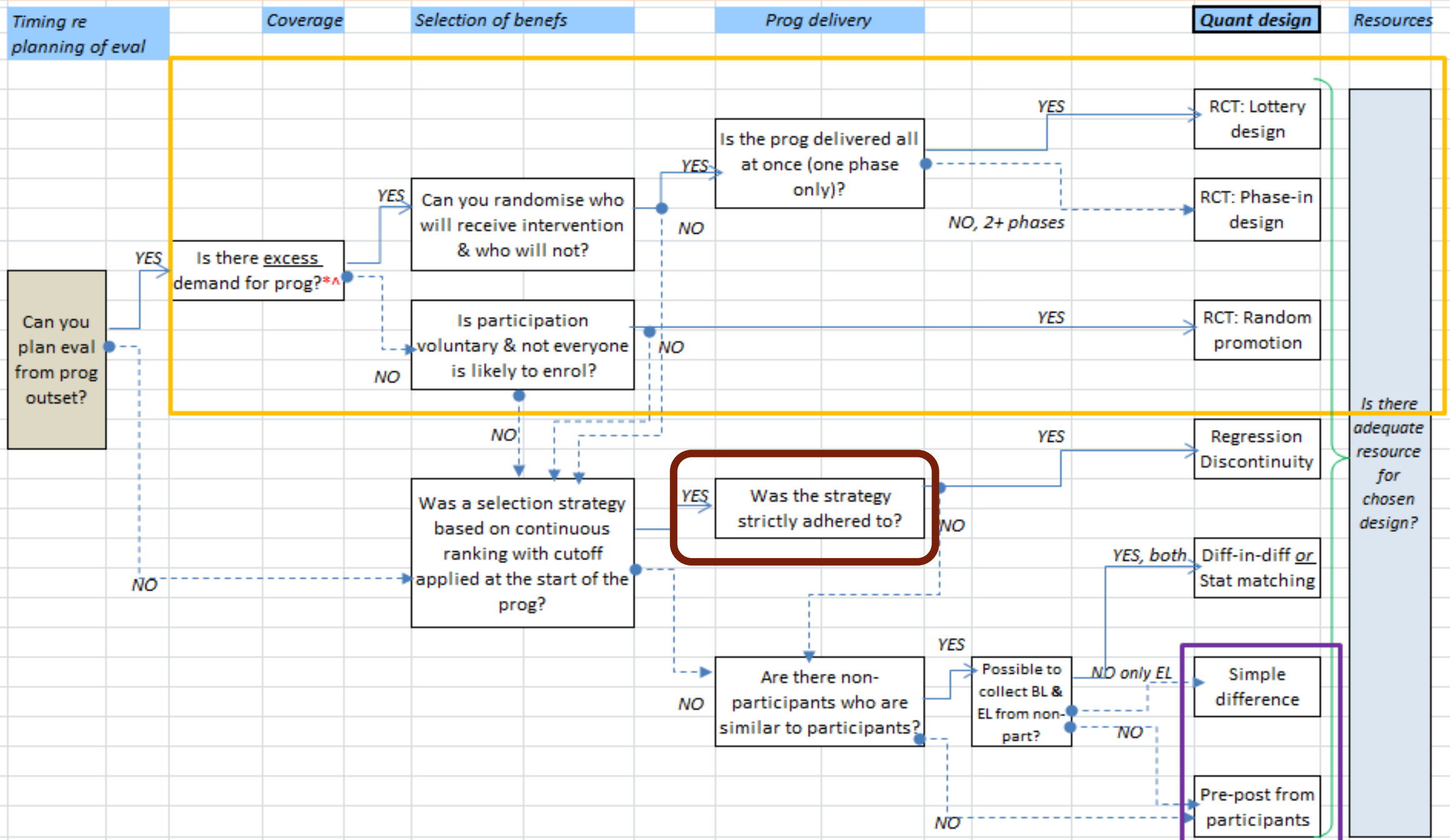


Decision making flow chart to choose the most appropriate evaluation design



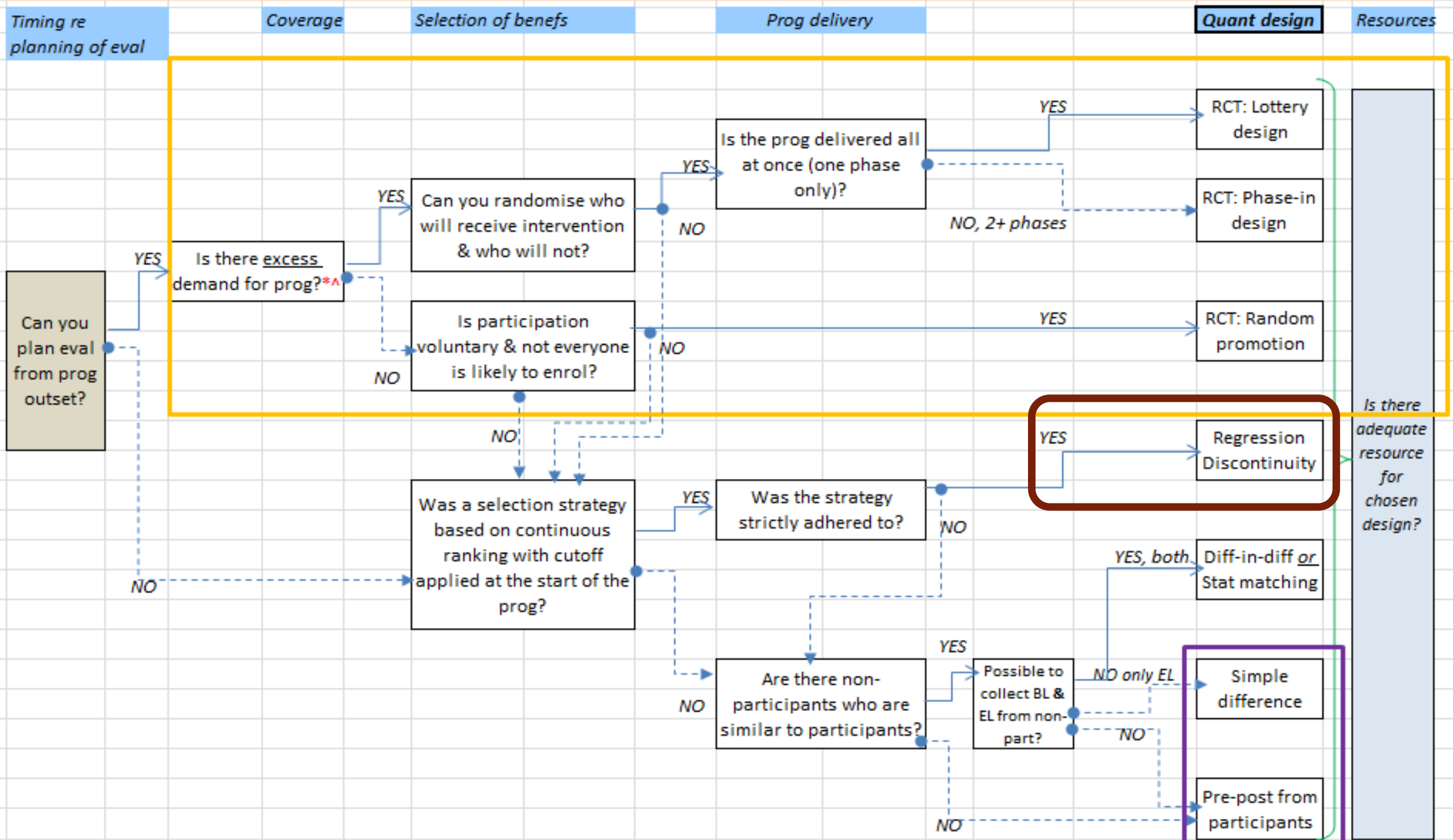
Legend:

### Decision making flow chart to choose the most appropriate evaluation design



Legend:

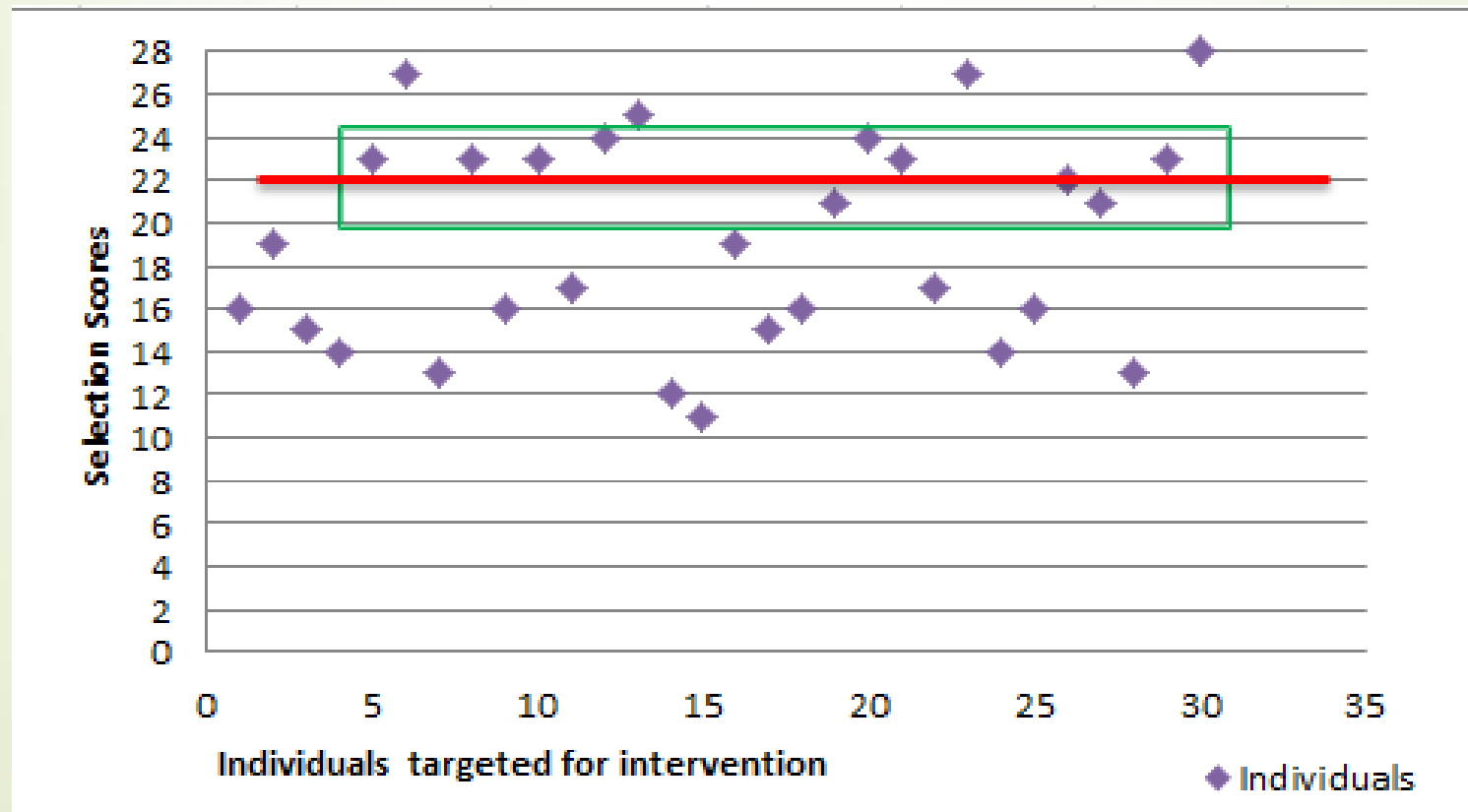
Decision making flow chart to choose the most appropriate evaluation design



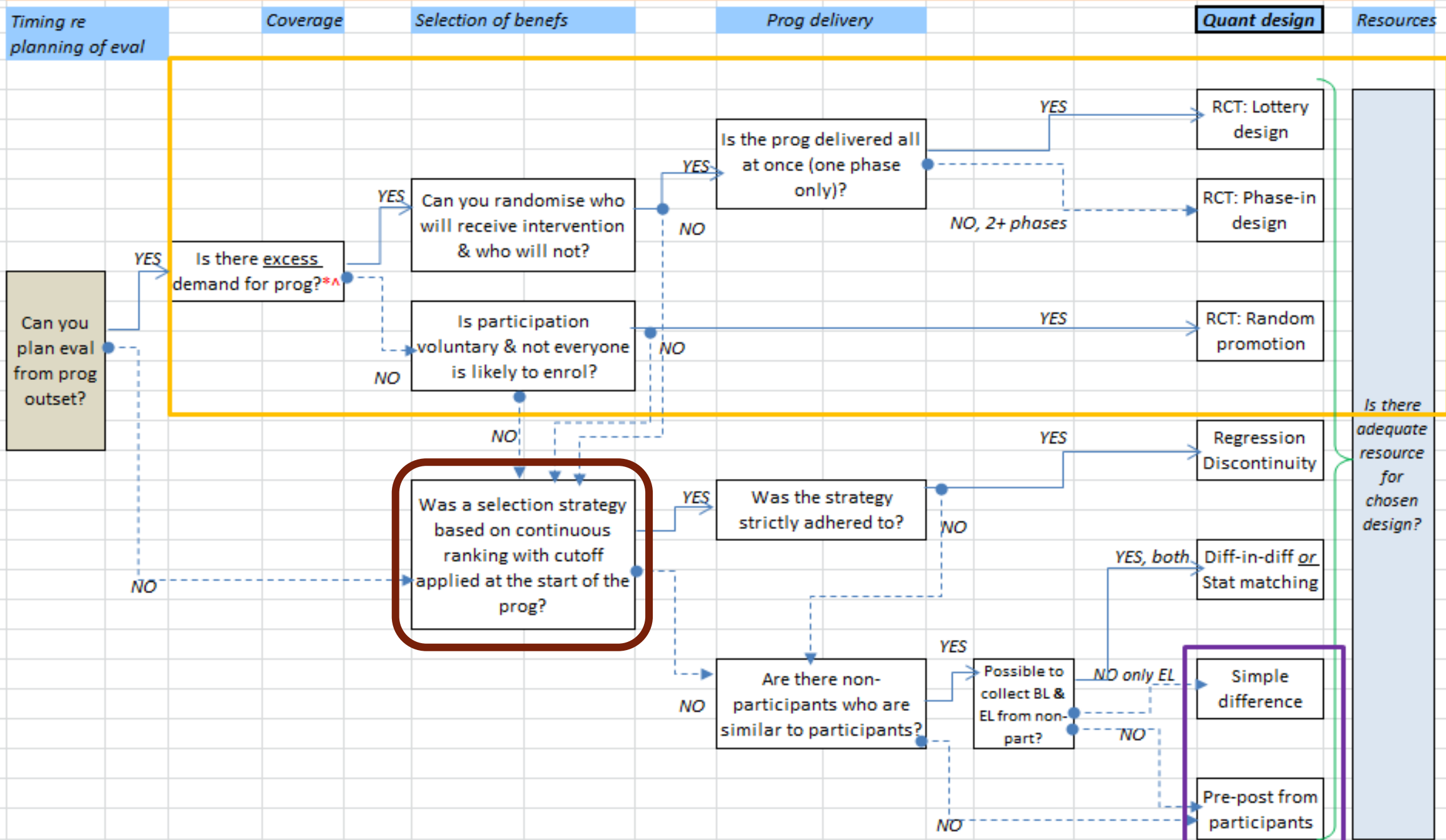
Legend:

# Regression-Discontinuity

- ▶ Selection into prog by assigning (often arbitrary) cut-off grade
- ▶ Individuals below or above the cut-off are essentially the same
- ▶ Could either be diff-in-diff, simple diff measurement...

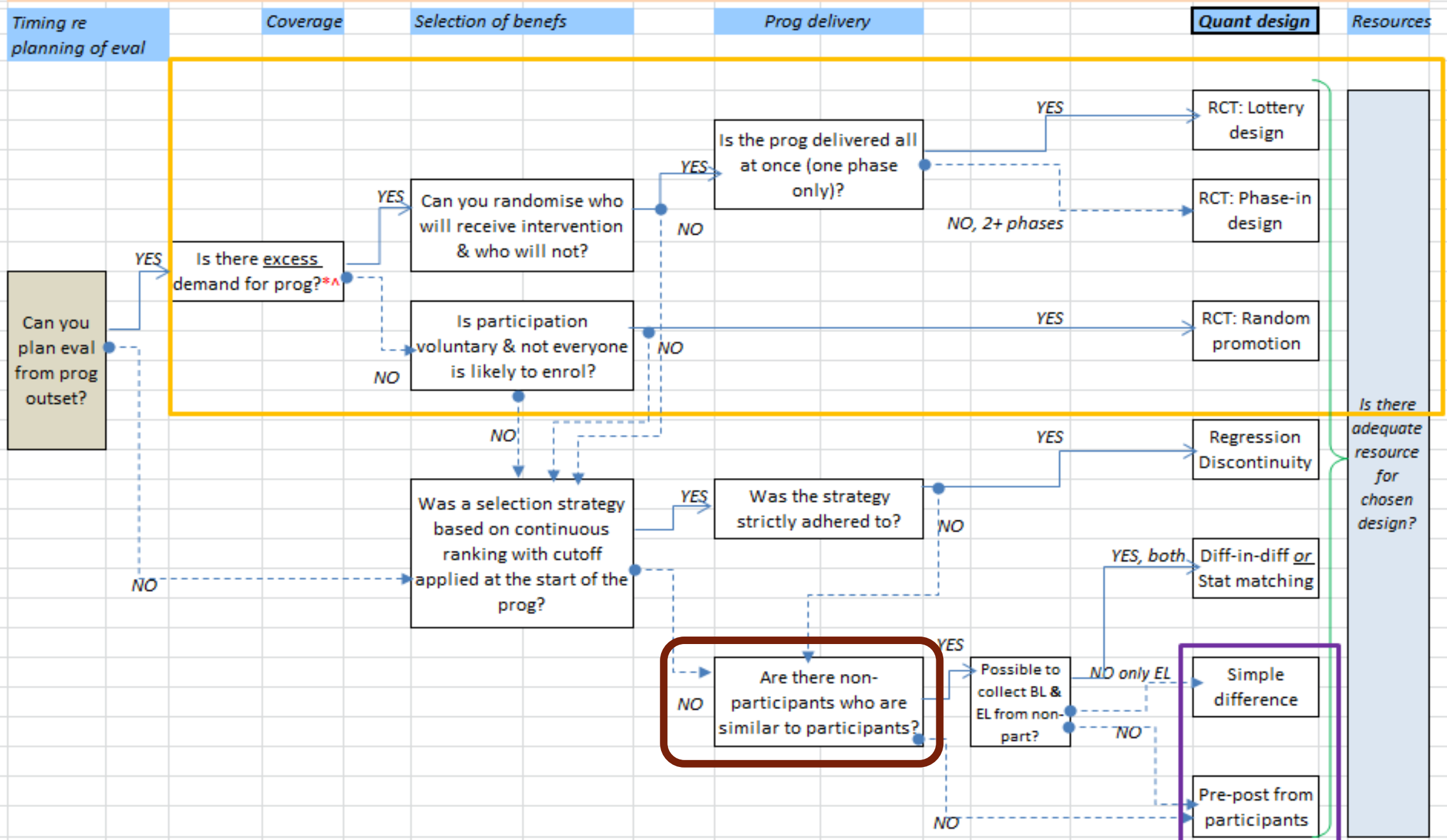


Decision making flow chart to choose the most appropriate evaluation design



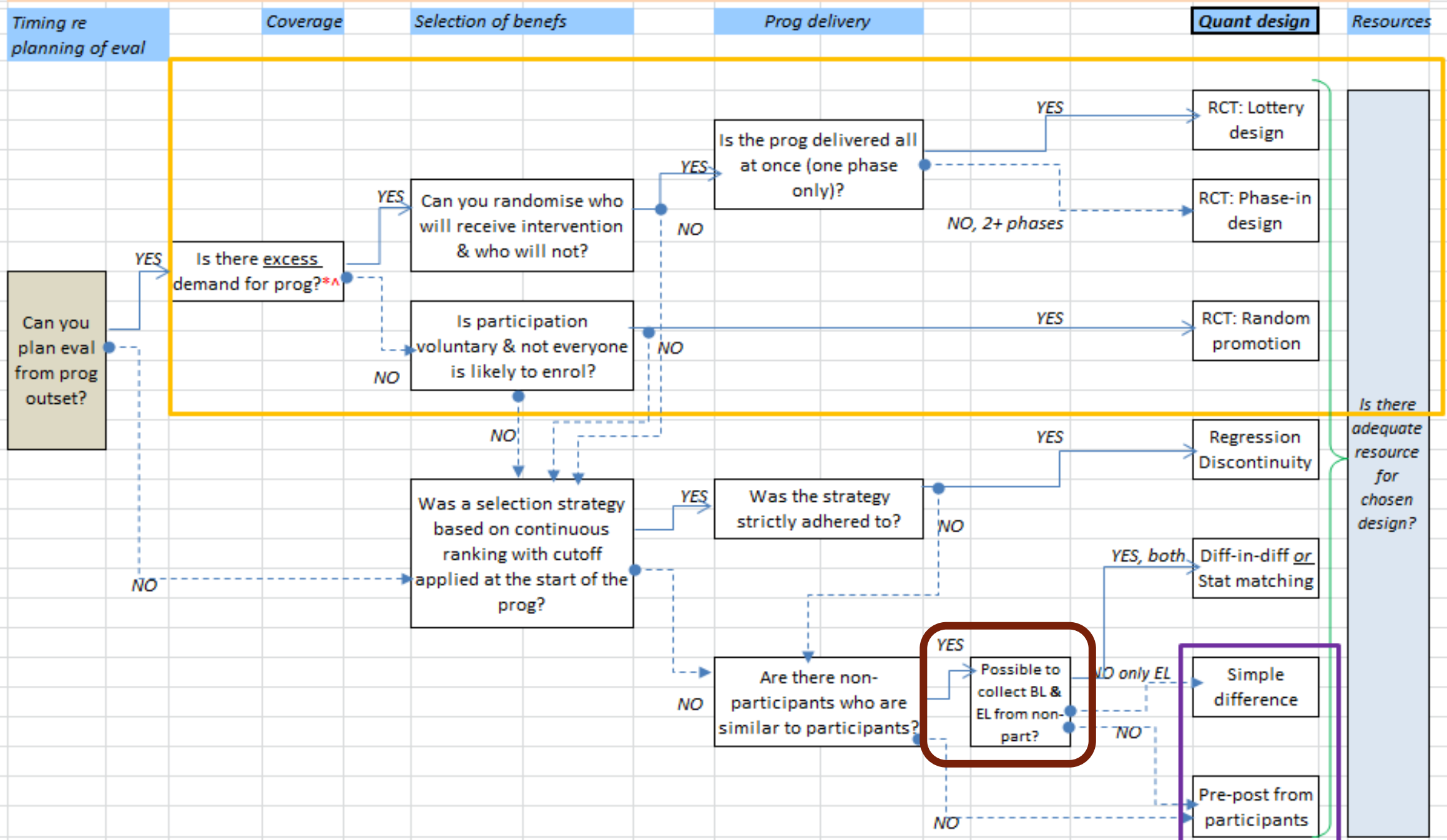
Legend:

Decision making flow chart to choose the most appropriate evaluation design



Legend:

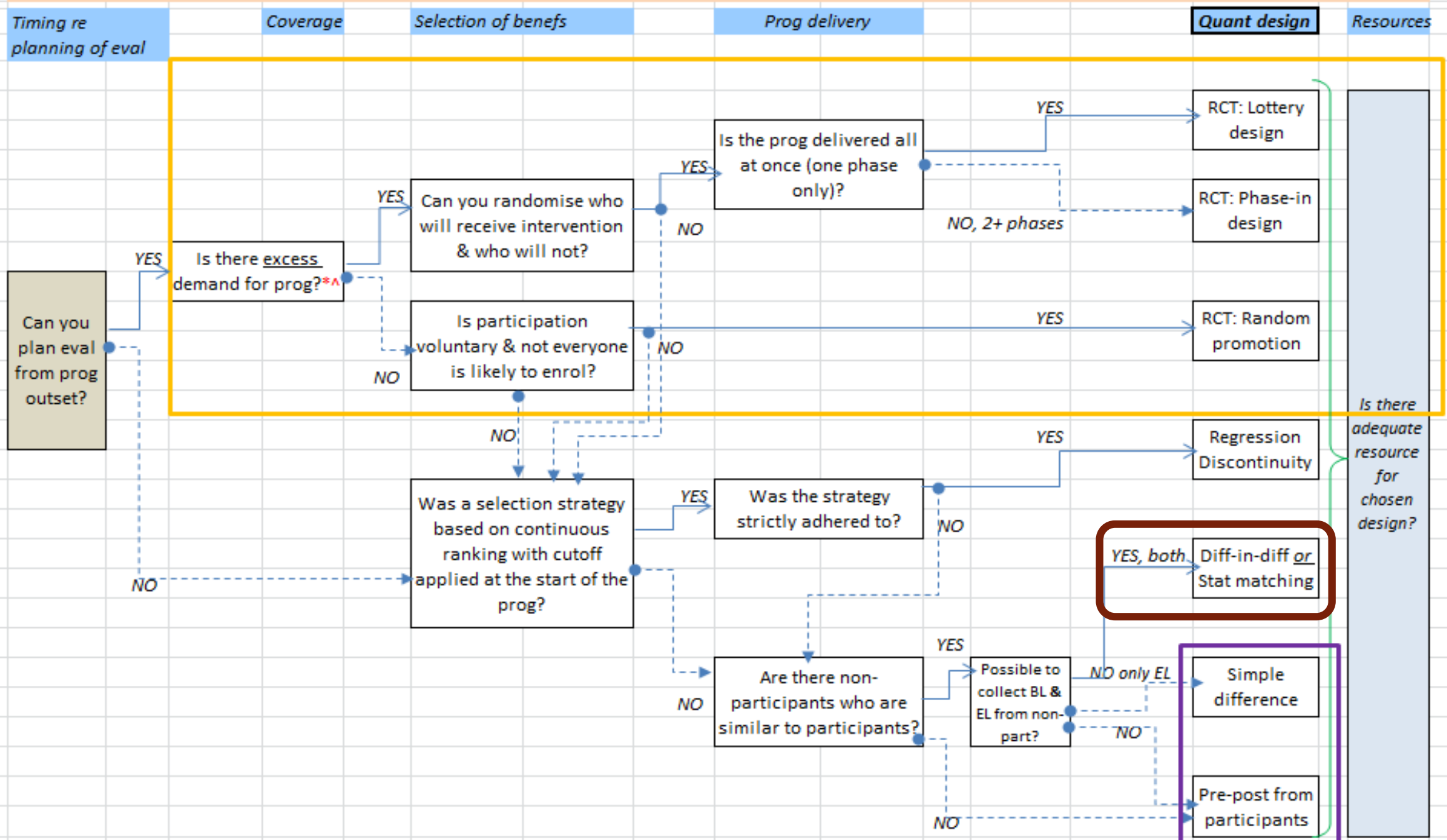
Decision making flow chart to choose the most appropriate evaluation design



Legend:



Decision making flow chart to choose the most appropriate evaluation design

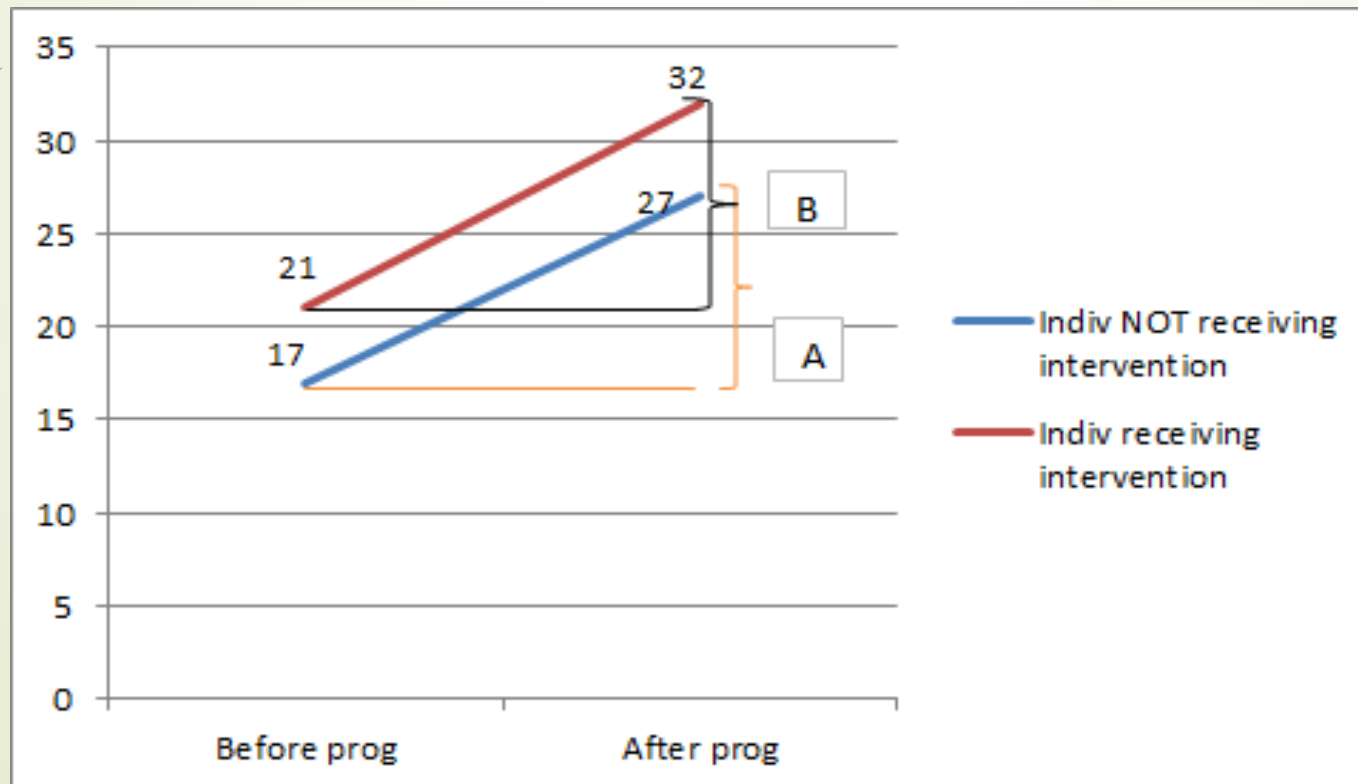


Legend:

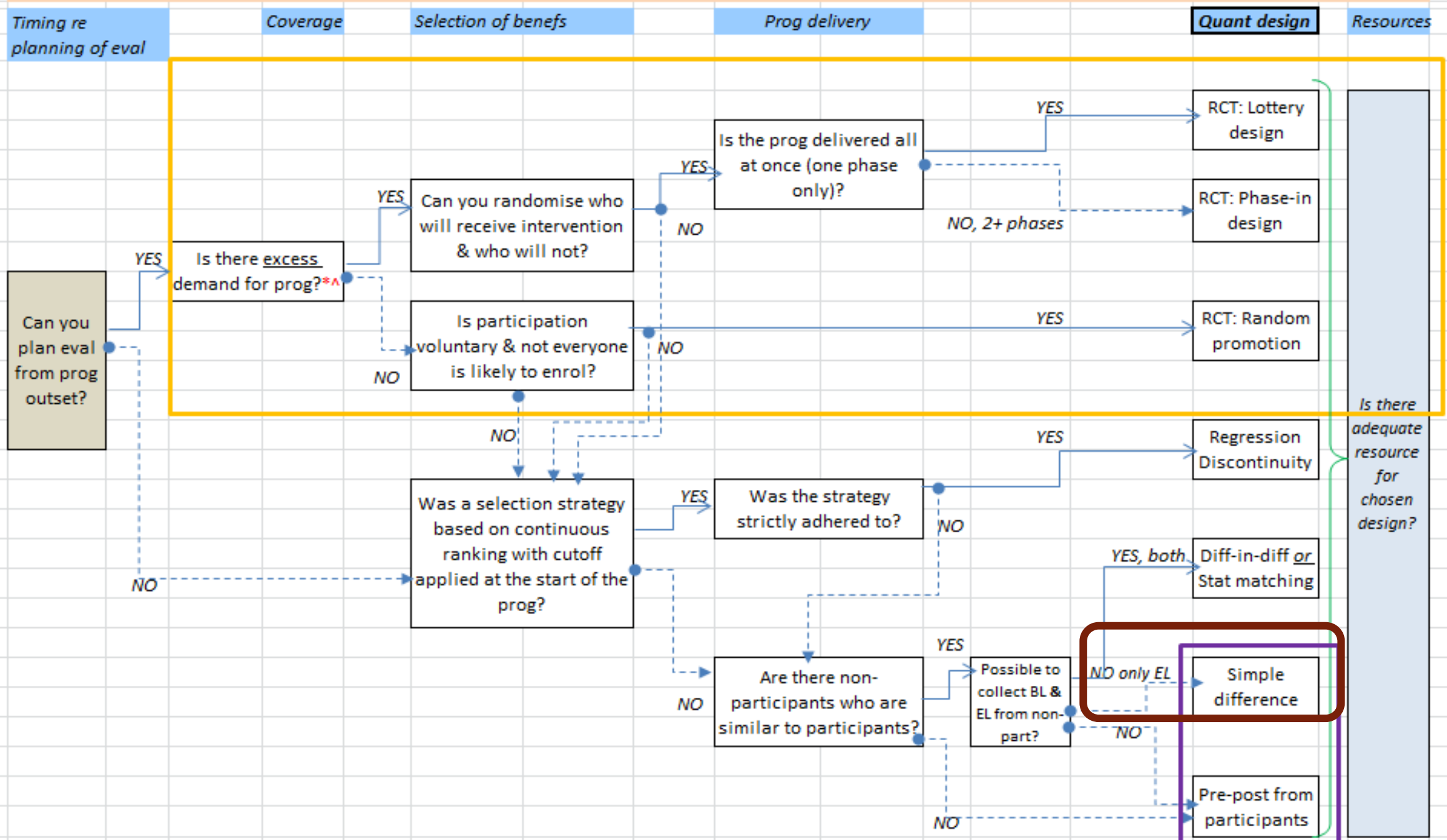


# Difference-in-difference

- ▶ *Relative change in the outcome of interest, over a period of time, between individuals that were part of the programme and those that were not.*
- ▶ 2 readings are taken from both types of individuals and the relative difference between the two is considered to be the effect size



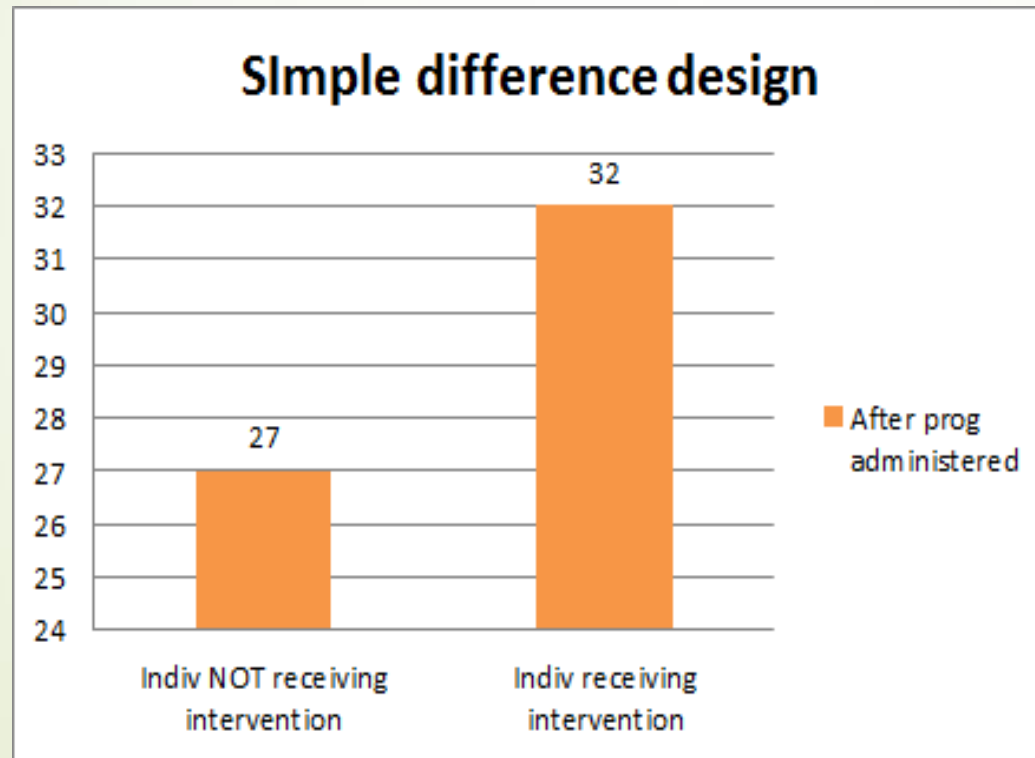
Decision making flow chart to choose the most appropriate evaluation design



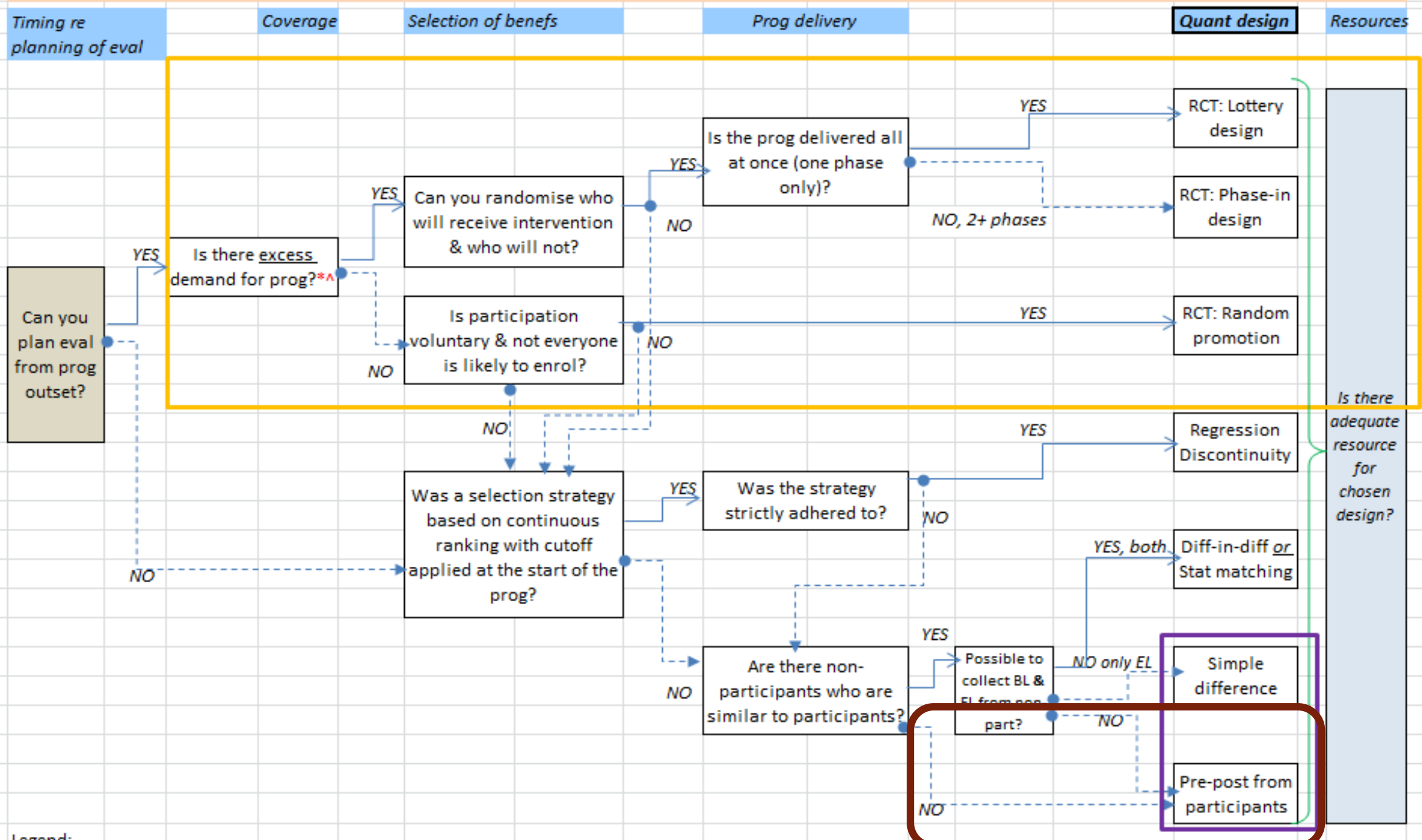
Legend:

# Simple difference

- Endline comparison between beneficiaries and non-beneficiaries



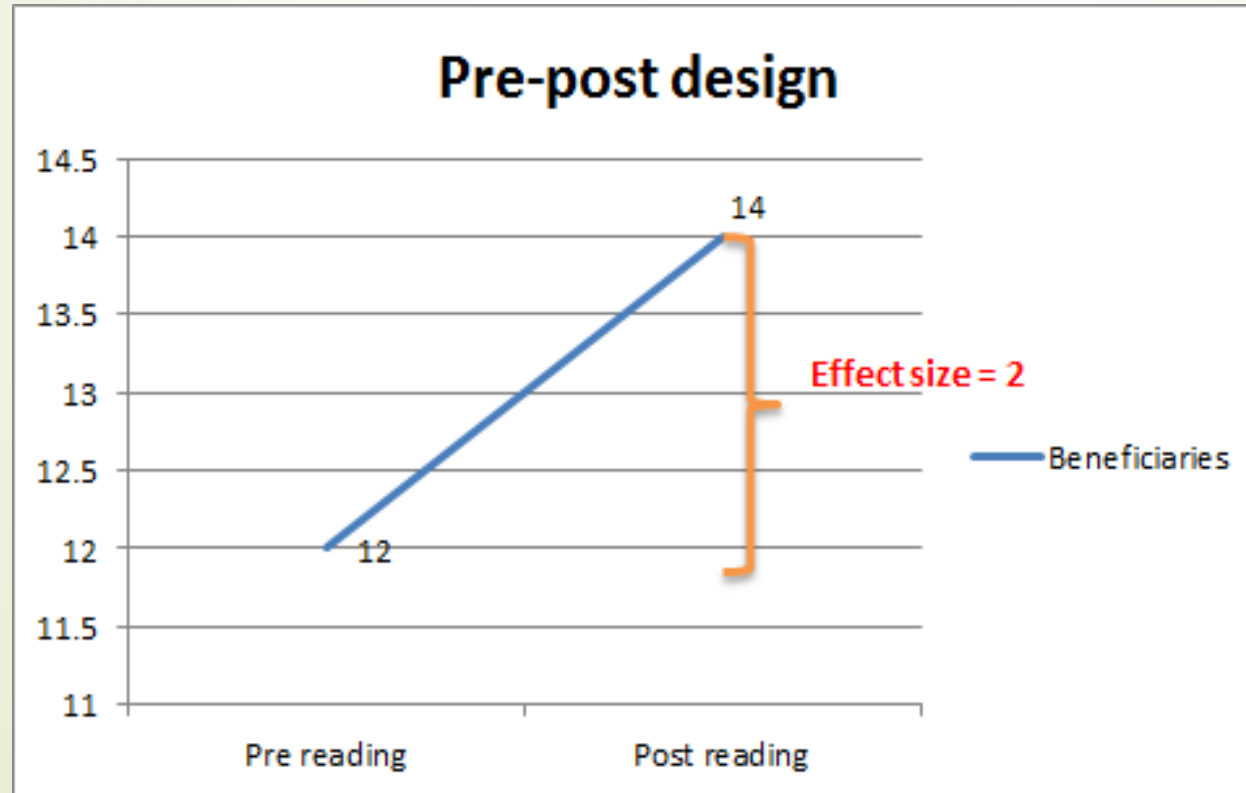
Decision making flow chart to choose the most appropriate evaluation design



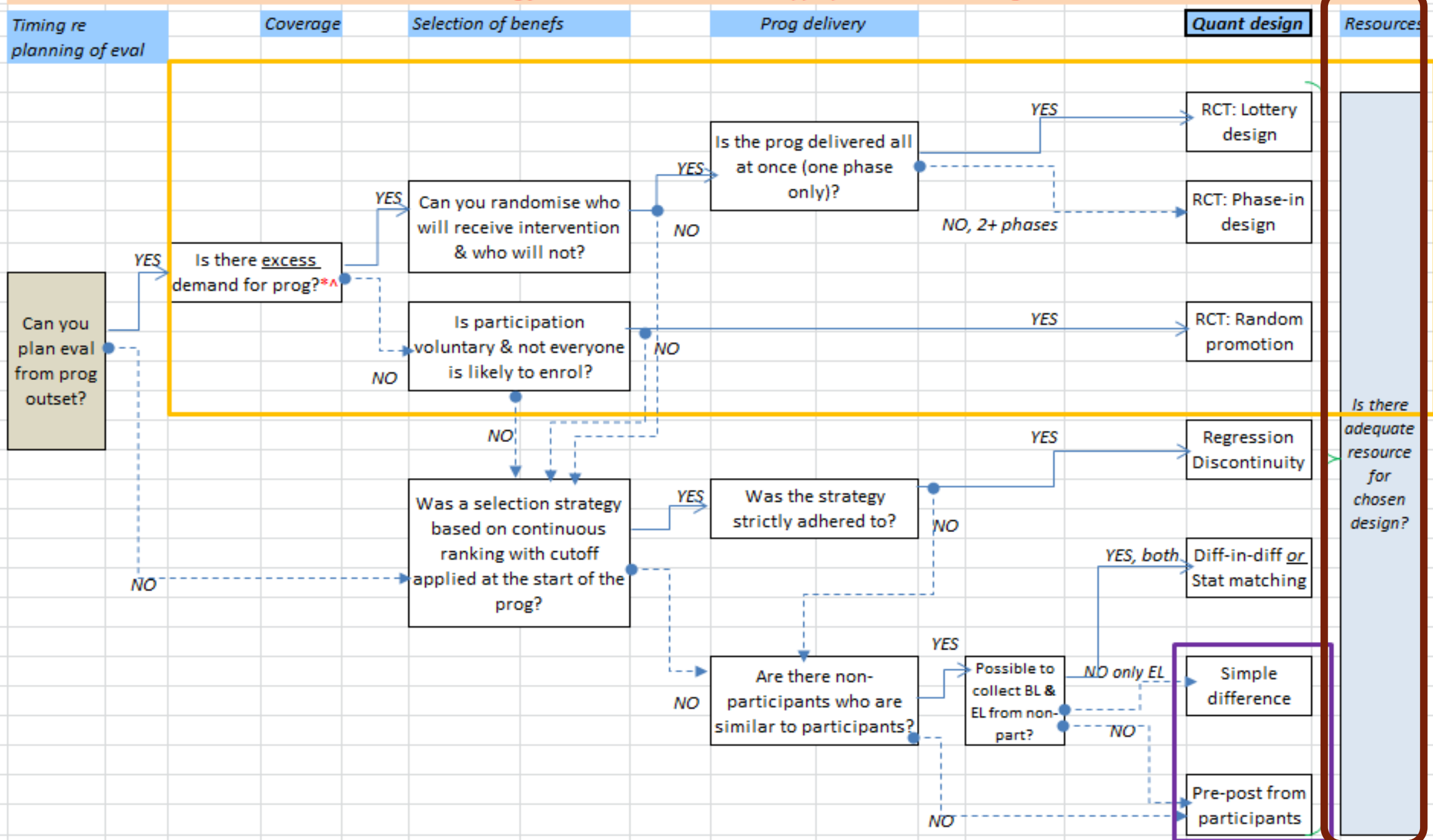
Legend:

# Pre-post

- Baseline vs endline in beneficiaries only

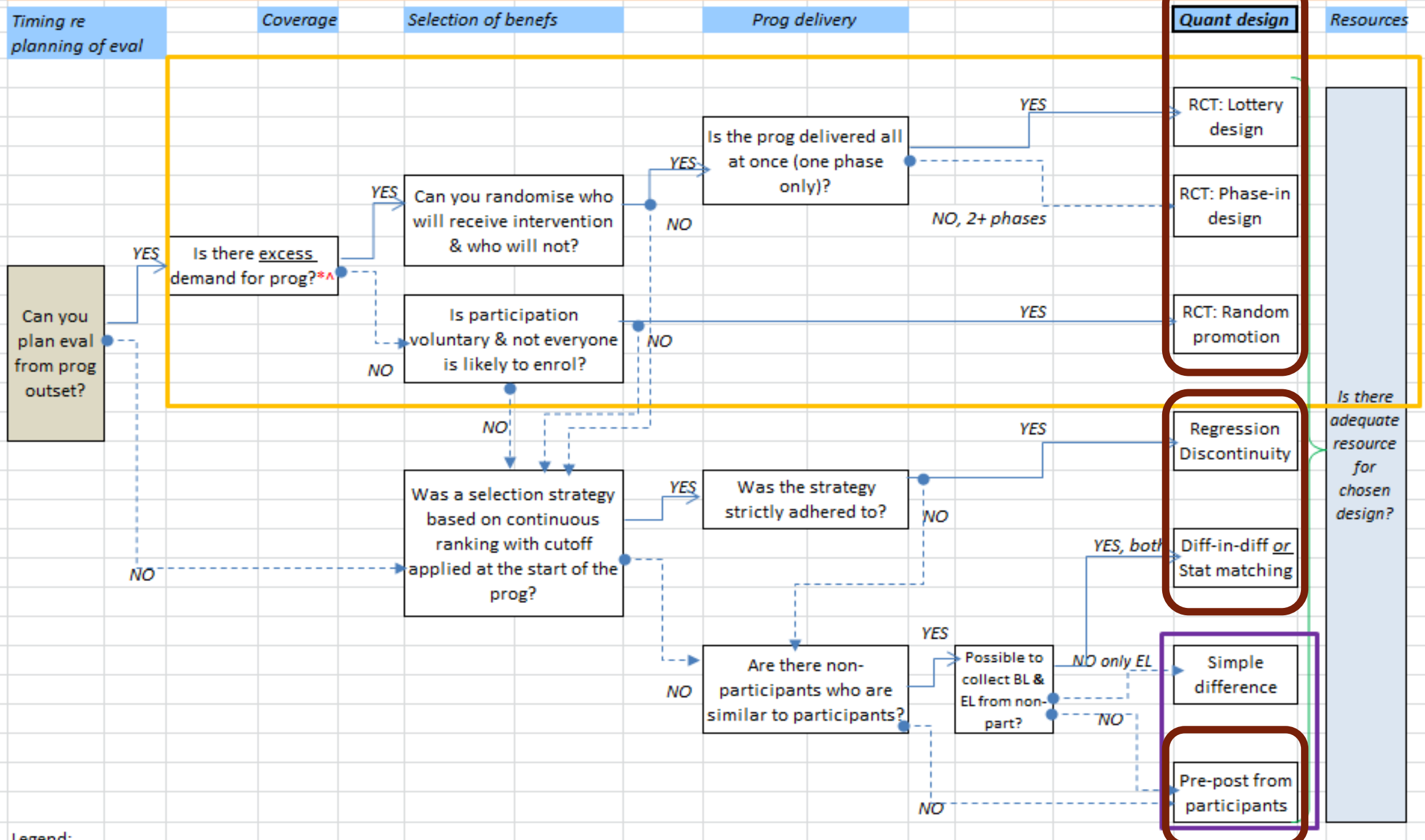


Decision making flow chart to choose the most appropriate evaluation design



Legend:


Decision making flow chart to choose the most appropriate evaluation design



Legend:

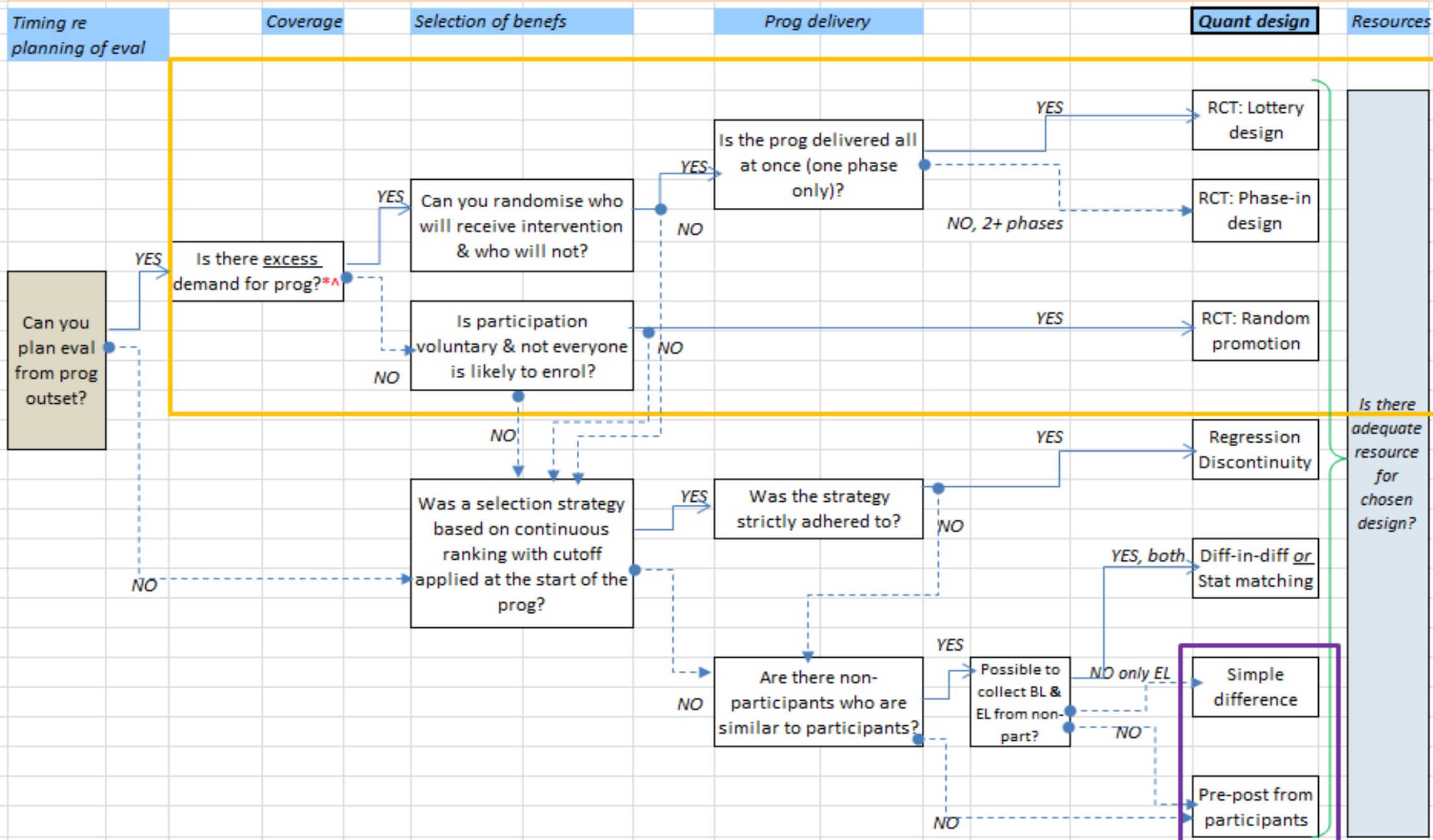


# Considering YOUR current situation...

- ▶ Which design will you choose?
- ▶ Do you know the effects of the decisions you are making? (based on what the design is able to give you in return?!)



Decision making flow chart to choose the most appropriate evaluation design



Legend:

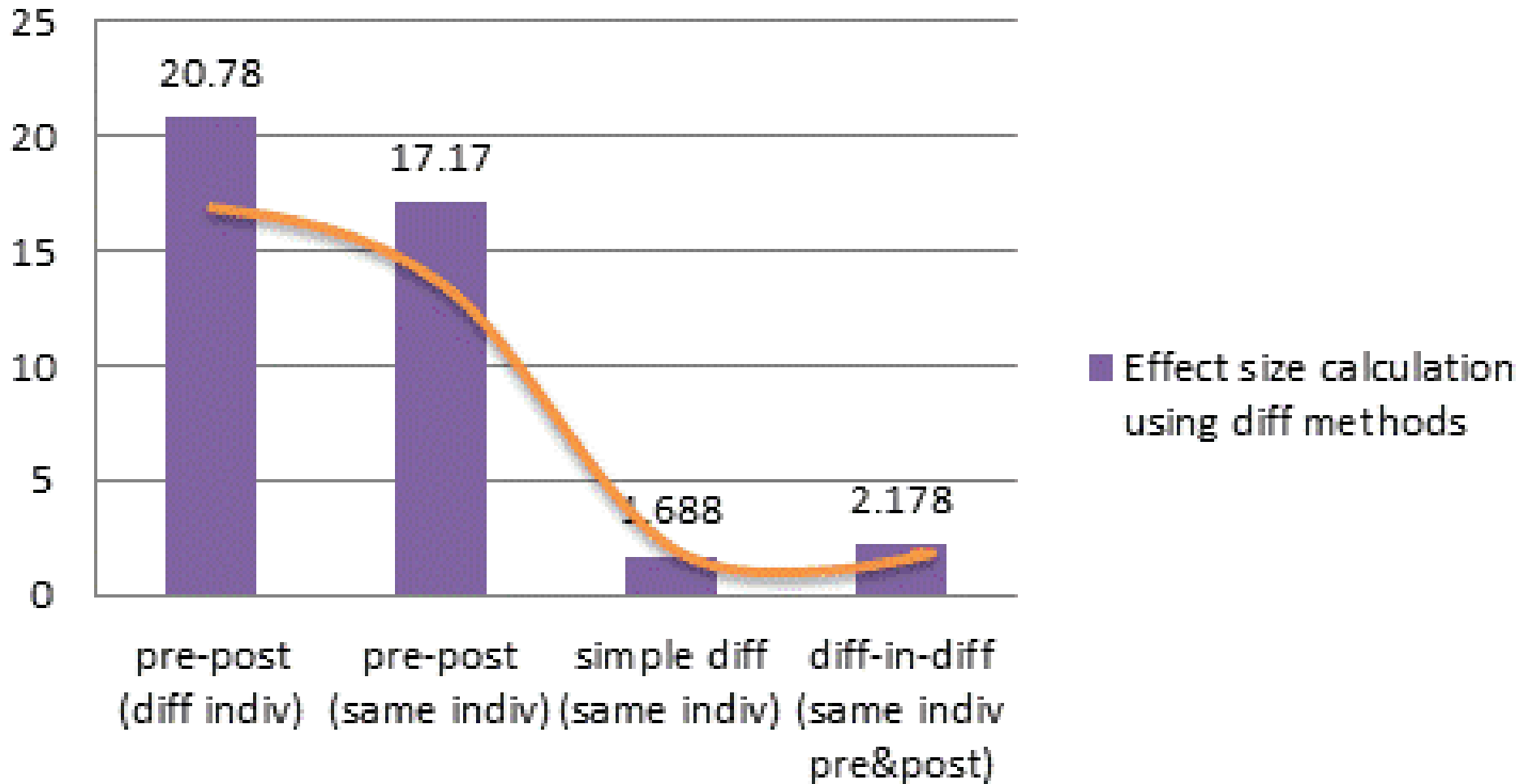


NOT DONE YET.....

Analysis matter!

- Descriptive statistics are useful, but not enough!
- Statistical analysis required!!

## Effect size calculation using diff methods





# Qualitative methods

- Understanding the HOW and the WHY of the change
- Do it AFTER quant analysis completed!
  - formulate better questions
  - Info you need to make DECISIONS.

# Questions?

