

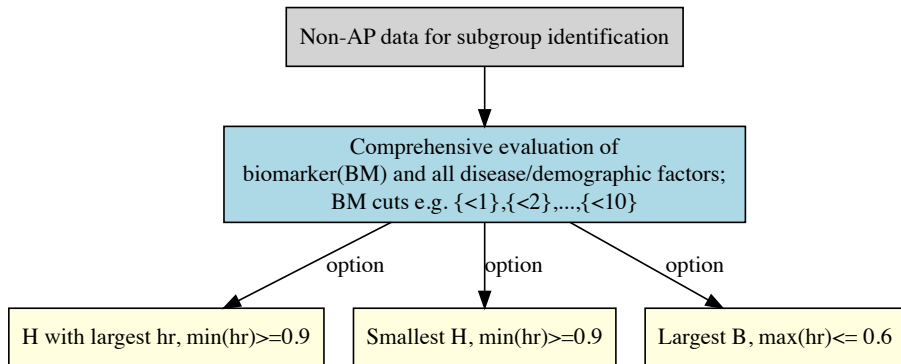
# MRCT Consistency Evaluation

Larry Leon, Masashi Shimura, Xiaojing Cui, Kenichi Takahashi, Shuping Jiang, and William Wang

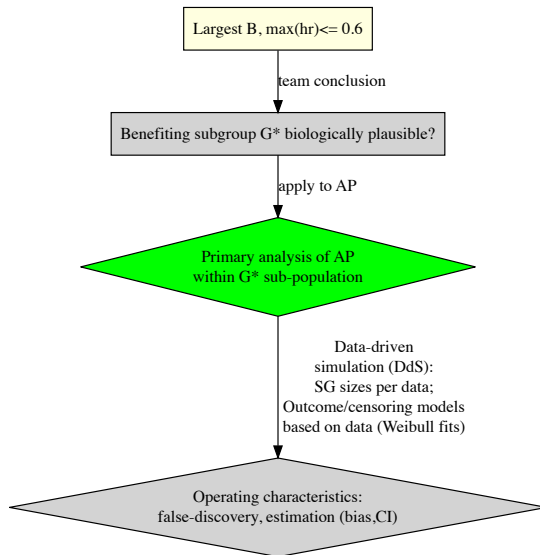
# Overview: Exploratory Subgroup Identification Analyses

- Despite global trial success, AP consistency can be challenging (for many reasons);
  - A subgroup (SG) may exist with *stronger* benefit
  - Can potentially be identified based on non-AP data
- If **benefit** in identified SG translates to AP
  - May enable consistency determination
- We describe an analysis paradigm and proof-of-concept *simulation*

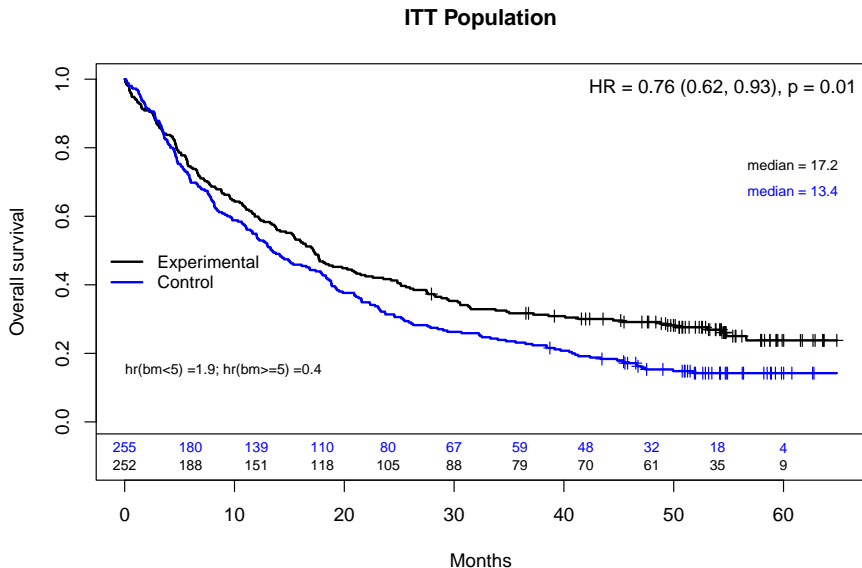
# Analysis Flowchart



# Analysis Flowchart Contd.

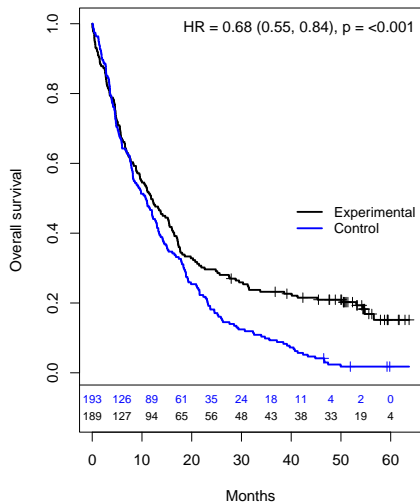


# Kaplan-Meier ITT Population

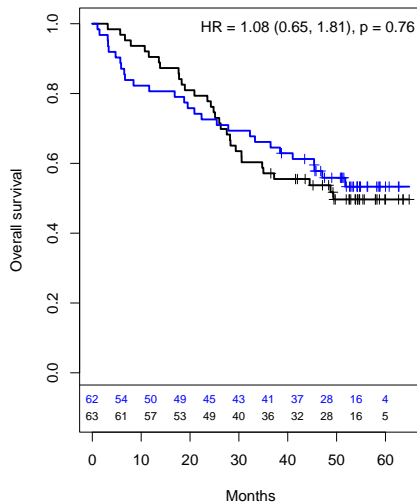


# Kaplan-Meier Non-AP and AP Populations

**Non-AP Population**



**AP Population**

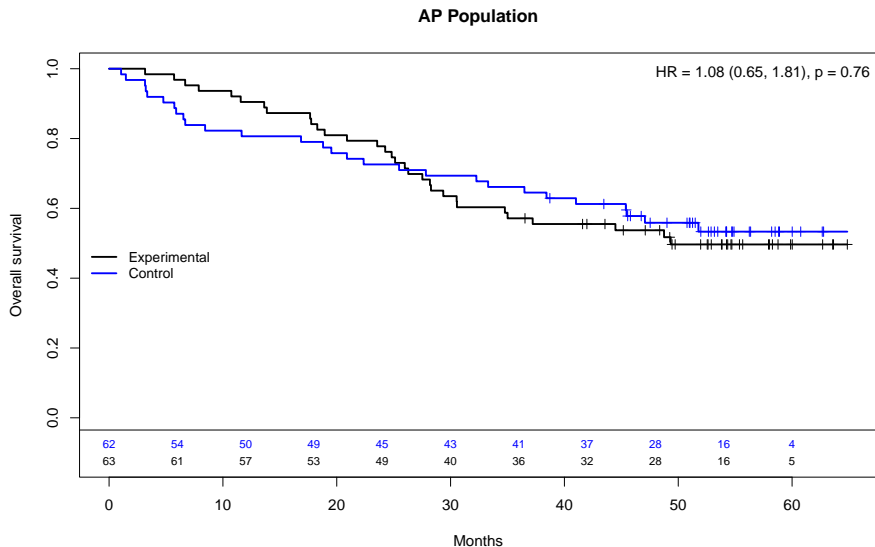


# Example: Biomarker Subgroups Identified (non-AP)

Subgroups formed by single-factors  
maxk=1

| M.1              | N   | E   | hr       | Pcons    |
|------------------|-----|-----|----------|----------|
| {biomarker < 2}  | 95  | 94  | 1.655311 | 0.998000 |
| {biomarker < 3}  | 135 | 134 | 1.584584 | 1.000000 |
| {biomarker < 4}  | 148 | 147 | 1.643559 | 1.000000 |
| {biomarker < 5}  | 149 | 148 | 1.658330 | 1.000000 |
| {biomarker < 6}  | 219 | 218 | 1.570647 | 1.000000 |
| {biomarker < 7}  | 235 | 233 | 1.563982 | 1.000000 |
| {biomarker < 8}  | 238 | 236 | 1.537168 | 1.000000 |
| {biomarker < 10} | 241 | 239 | 1.456963 | 1.000000 |

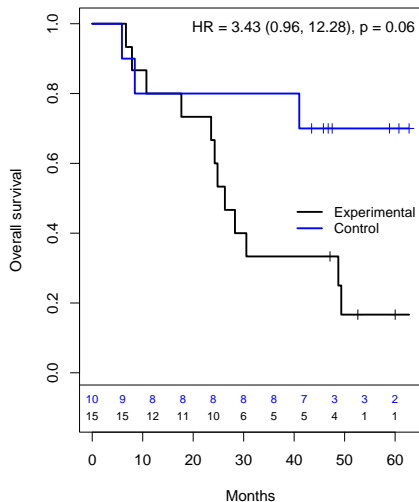
# AP Population ITT





# AP by biomarker low-vs-high (<2, >=2)

AP Population: BM < 2



AP Population: BM >= 2

