**Issue Brief Outline: Comparing the Results of ACM/IMPAQ models**

1. Introduction
   1. Project Overview
   2. Purpose of comparing ACM/IMPAQ models
2. Methodology
   1. Methods for comparing results
      1. Replicate various outcomes for each model and compare differences in results
   2. Run models with same parameters
      1. Mapping parameters to IMPAQ/ACM terminology
      2. Run with each of RI, NJ, CA using their actual parameters at the point of 2012
      3. Generate results and compare the two models

**ACM Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **CA** | **NJ** | **RI** |
| DEPENDENTALLOWANCE | 10 | 10 | 10 |
| ELIGIBILITYRULES | a\_earnings=300 | a\_earnings=8400 | a\_earnings=3840 |
| EXTENDLEAVES | yes | Yes | yes |
| GOVERNMENT | no | No | no |
| MAXWEEKS | OH=52, MD=52, NC=6, IC=6, IS=6, IP=6 | OH=26, MD=26, NC=6, IC=6, IS=6, IP=6 | OH=30, MD=30, NC=4, IC=4, IS=4, IP=4 |
| REPLACEMENTRATIO | 0.55 | 0.66 | 0.6 |
| STATEOFWORK | CA | NJ | RI |
| TAKEUPRATES | default=1 | default=1 | default=1 |
| WAITINGPERIOD | 1 | 1 | 1 |

**IMPAQ Parameters**

| **Parameter** | **California** | **New Jersey** | **Rhode Island** |
| --- | --- | --- | --- |
| ann\_hours | NULL | NULL | NULL |
| bene\_effect | FALSE | FALSE | FALSE |
| bene\_level | 0.55 | 0.66 | 0.6 |
| bond\_uptake | 1 | 1 | 1 |
| dependent\_allow | 10 | 10 | 10 |
| dual\_receiver | 0 | 0 | 0 |
| Earnings | 300 | 8400 | 3840 |
| ext\_base\_effect | TRUE | TRUE | TRUE |
| extend\_days | 0 | 0 | 0 |
| extend\_prob | 0 | 0 | 0 |
| extend\_prop | 0 | 0 | 0 |
| fmla\_protect | FALSE | FALSE | FALSE |
| full\_particip\_needer | FALSE | FALSE | FALSE |
| GOVERNMENT | FALSE | FALSE | FALSE |
| illchild\_uptake | 1 | 1 | 1 |
| illparent\_uptake | 1 | 1 | 1 |
| illspouse\_uptake | 1 | 1 | 1 |
| impute\_method | logit | logit | logit |
| matdis\_uptake | 1 | 1 | 1 |
| maxlen\_bond | 30 | 30 | 20 |
| maxlen\_DI | 260 | 130 | 150 |
| maxlen\_illchild | 30 | 30 | 20 |
| maxlen\_illparent | 30 | 30 | 20 |
| maxlen\_illspouse | 30 | 30 | 20 |
| maxlen\_matdis | 260 | 130 | 150 |
| maxlen\_own | 260 | 130 | 150 |
| maxlen\_PFL | 30 | 30 | 20 |
| maxlen\_total | 260 | 130 | 150 |
| minsize | NULL | NULL | NULL |
| own\_uptake | 1 | 1 | 1 |
| sens\_var | unaffordable | unaffordable | unaffordable |
| SELFEMP | FALSE | FALSE | FALSE |
| topoff\_min\_length | 0 | 0 | 0 |
| topoff\_rate | 0 | 0 | 0 |
| waiting\_period | 5 | 5 | 5 |
| week\_bene\_cap | 1216 | 594 | 795 |
| week\_bene\_cap\_prop | NULL | NULL | NULL |
| week\_bene\_min | 50 |  | 89 |
| weeks | NULL | NULL | NULL |

* 1. Outcomes to compare
     1. Population leave needing/taking estimates
     2. Length of leave estimates
     3. Number of eligible workers for program
     4. Program cost estimates

1. Results
   1. Compare R, Python, ACM models:
      1. Population leave needing/taking estimates
      2. Length of leave estimates
      3. Number of eligible workers for program
      4. Program cost estimates
   2. Discuss results
2. Conclusion
   1. Summary of findings
   2. Explanations for differences
   3. Next steps

**Mock Graphs for Results Section**