**Log of changes for version h**

Original run

NONE 0.0 15.786

NONE 0.0 16.544

NONE 0.0 16.798

OPHTH 1867.1 16.277

OPHTH 1924.6 16.63

OPHTH 1874.5 16.167

Strategy 2 -104929.63

**doMarkov line 34**

EYECORREL, change to 0.15. Less bilateral blindness, expected QALY increase

NONE 0.0 16.069

NONE 0.0 15.776

NONE 0.0 15.953

OPHTH 1885.7 16.387

OPHTH 1915.5 16.58

OPHTH 1918.6 16.619

Strategy 2 3198.99

Hard to tell if it changed, but wouldn’t expect a huge change

Change to 1, expected QALY decrease

NONE 0.0 15.584

NONE 0.0 15.66

NONE 0.0 15.757

OPHTH 1859.8 16.055

OPHTH 1819.4 15.742

OPHTH 1813.0 15.839

Strategy 2 8649.13

Looks like a it decreased, makes sense.

**doMarkov line 39**

UTILUNILATBLIND, change to 0.01. Expect QALY to decrease

NONE 0.0 15.57

NONE 0.0 16.085

NONE 0.0 15.805

OPHTH 1978.1 17.163

OPHTH 1892.8 16.426

OPHTH 1875.9 16.285

Strategy 2 2380.61

NONE goes down, OPHTH does not as much. Makes sense because screening would save sight with treatment.

**Line**

**Questions about maketpm**

**maketpm line 5**

What is Boolean true or false

Basically just true or false

I do understand the morbidity multiplier, but **I don’t understand the APPLYMORBIDITY matrix maketpm line 30**

[1 m 1 1 1 1 1 1;

1 1 m 1 1 m 1 1;

1 1 1 m 1 m 1 1;

1 1 1 1 m m 1 1;

1 1 1 1 1 1 m 1;

1 1 1 1 1 1 m 1;

1 1 1 1 1 1 1 1;

1 1 1 1 1 1 1 1];

Why are there multiple m’s in some lines and none in others?

m corresponds to the same position in tpmBaseline

I do understand applyfocal and applyscatter

screenSystemV1h line 171

POPHEALTHY = 1;

POPUNHEALTHY = 2;

POPVERYHEALTHY = 3;

POPVERYUNHEALTHY = 4;

HEALTHMORBIDITY = [1 3 0.333 5]