

One opportunity set for LIC health interventions, another for LIC income, etc.
 E.g. the below table shows \$1.0B in annual RFMF focused on LIC DALYs at a CE of at least 800x under old OP weights.

Inputs: Opportunity Sets	LIC DALY	LIC MID	DW MID	DW DALY
Anchor Point (\$M annual RF)	\$1,000	\$1,000	\$300	\$100
CE at Anchor Point (Old Wt)	800x	800x	800x	300x
Value of outcome (\$k, old wt)	\$50	\$50	\$50	\$50
Eta	0.375	0.375	0.375	0.5

Inputs: Moral Weights (\$M)	LIC DALY	LIC MID	DW MID	DW DALY
Framework	\$50	\$20	\$50	\$200
... Eta=1	\$100	\$50	\$50	\$325
... Big Diff	\$125	\$50	\$50	\$300
... Compromise	\$125	\$50	\$50	\$325
... No Diff	\$80	\$50	\$50	\$80
... Low No Diff	\$50	\$50	\$50	\$50
... Old Weights	\$50	\$50	\$50	\$50
... Weighted Avg	\$102	\$44	\$50	\$223

Probability weights for avg	Eta=1	Big Diff	Compromise	No Diff	Low No Diff	Old Weights	Annual Bud
	20%	30%	30%	20%	0%	0%	\$2,500

Good achieved (\$M, if proper moral weighting is...)	Amount (\$M) spent on...	Outcomes (MID, DALY) Achieved	CE at Anchor Point	Expenditure ratio to reach CE of LIC DALYs	Denominator																			
Eta=1	Big Diff	Compromise	No Diff	Low No Diff	Old Weights	Weighted Avg	LIC DALY	LIC MID	DW MID	DW DALY	LIC DALY	LIC MID	DW MID	DW DALY	LIC DALY	LIC MID	DW MID	DW DALY						
Spend 2.5B as if...																								
... Eta=1	\$2,775.1	\$4,963.8	\$5,522.8	\$5,354.2	\$3,740.9	\$2,665.4	\$4,771.8	\$1,545	\$134	\$469	\$351.00	33,602,400	7,296,876	10,160,729	2,248,209	796x	318x	800x	1200x	1,00x	0.09x	1.01x	2.27x	\$1,618
... Big Diff	\$2,680.2	\$5,172.2	\$5,863.0	\$5,713.9	\$3,933.8	\$2,747.1	\$4,889.4	\$1,847	\$291	\$87	\$274.40	37,569,613	11,833,687	3,550,106	1,987,803	1600x	800x	800x	1950x	1,00x	0.16x	1.16x	1.49x	\$1,363
... Compromise	\$2,928.9	\$5,094.3	\$6,002.0	\$5,622.3	\$4,001.8	\$2,721.4	\$5,033.1	\$2,176	\$189	\$57	\$76.33	41,617,061	9,037,287	2,711,186	1,062,081	2000x	800x	800x	1200x	1,00x	0.09x	0.09x	0.36x	\$1,149
... No Diff	\$2,684.4	\$5,024.5	\$5,993.8	\$5,943.5	\$4,017.9	\$2,738.1	\$5,094.1	\$2,218	\$193	\$59	\$31.20	42,121,545	9,148,837	2,744,051	670,230	2000x	800x	800x	750x	1,00x	0.09x	0.09x	0.14x	\$1,127
... Low No Diff	\$2,553.8	\$4,998.5	\$5,846.5	\$5,803.2	\$4,109.9	\$2,981.0	\$4,925.5	\$1,805	\$515	\$155	\$26.38	37,024,767	16,915,793	5,074,738	604,525	1200x	800x	800x	480x	1,00x	0.29x	0.29x	0.14x	\$1,385
... Old Weights	\$2,368.3	\$4,585.1	\$5,198.3	\$5,163.2	\$3,933.1	\$3,113.1	\$4,441.3	\$1,080	\$1,080	\$324	\$16.19	26,866,930	26,866,930	8,060,079	467,730	800x	800x	800x	300x	1,00x	1.00x	1.00x	0.14x	\$2,314
... Weighted Avg	\$2,657.4	\$5,146.3	\$5,976.6	\$5,970.5	\$3,999.4	\$2,792.0	\$5,042.1	\$2,057	\$216	\$91	\$136.42	40,177,611	9,814,964	3,046,379	1,401,569	1639x	704x	800x	1336x	1,00x	0.10x	0.15x	0.66x	\$1,215

Distance from optimal, in terms of CE delta, according to:	CE delta	CE delta	CE delta	CE delta	CE delta	CE delta	CE delta
Eta=1	Big Diff	Compromise	No Diff	Low No Diff	Old Weights	Weighted Avg	
Spend 2.5B as if...							
... Eta=1	1.00x	0.96x	0.90x	0.90x	0.91x	0.88x	0.95x
... Big Diff	0.97x	1.00x	0.98x	0.96x	0.96x	0.89x	0.99x
... Compromise	0.94x	0.98x	1.00x	1.00x	0.97x	0.97x	1.00x
... No Diff	0.92x	0.97x	1.00x	1.00x	0.96x	0.88x	0.99x
... Low No Diff	0.92x	0.97x	0.97x	0.96x	1.00x	0.96x	0.98x
... Old Weights	0.85x	0.89x	0.87x	0.87x	0.95x	1.00x	0.88x
... Weighted Avg	0.95x	1.00x	1.00x	0.99x	0.97x	0.88x	1.00x

CE at Anchor Point	Expenditure ratio to reach CE of LIC DALYs	Denominator					
LIC DALY	LIC MID	DW MID	DW DALY	LIC DALY	LIC MID	DW MID	DW DALY
0.07991945							
0.22212198							
3393372.76							
6070716.68							
64.84%							
715417.52							
2.414213562							
10119288.5							
14310835.0							
70.71%							
70.71%							
70%							
30%							
10119288.5							
14310835.0							
0							
\$10,119,289							
\$10,017,585							

Best moral weighting is...	Marginal CE of spending on...	Total Gain from spending on...						
LIC DALY	LIC MID	DW MID	DW DALY	LIC DALY	LIC MID	DW MID	DW DALY	
Spend 2.5B as if...								
... Eta=1	1350x	1484x	676x	712x	\$3,442,656	\$300,004	\$508,038	\$505,237
... Big Diff	1302x	1118x	1271x	806x	\$3,346,107	\$20,468	\$177,505	\$442,286
... Compromise	1225x	1314x	1484x	1508x	\$4,263,779	\$397,470	\$135,559	\$236,313
... No Diff	1216x	1305x	1483x	2300x	\$4,915,466	\$402,288	\$137,203	\$149,126
... Old Weights	1550x	684x	777x	3426x	\$2,752,599	\$1,181,036	\$403,024	\$104,070
... Weighted Avg	1251x	1251x	1251x	1434x	\$4,116,384	\$431,872	\$182,314	\$311,849