Supplemental Table S1. Simulated Combo10 death rate reduction over time relative to the base run for the six top interventions tested individually, 2020-2050 (supporting Figure 2).

Simulation	HP2030 goal basis	Death types averted due to intervention	Combo10 death rate per 100,000 adults				Percent change from baseline			
			2025	2030	2040	2050	2025	2030	2040	2050
Baseline			341.3	361.8	388.4	411.1				
SmokePrev_adult23	TU-02	Diab, CVD, Colo Ca, Breast Ca, Respir Ca, Oral Ca, Asthma, COPD	340.1	359.1	382.5	402.4	−0.4%	−0.7%	−1.5%	−2.1%
DPP18	D-01	Diabetes, CVD, Colo Ca, Breast Ca	340.2	359.5	383.9	404.7	−0.3%	−0.6%	−1.2%	−1.6%
SmokeQuit16.5	TU-14	Diab, CVD, Colo Ca, Breast Ca, Respir Ca, Oral Ca, Asthma, COPD	340.4	359.9	384.4	405.3	−0.3%	−0.5%	−1.0%	−1.4%
BPmgmt25	HDS-05	Hypertension, CVD	338.6	358.7	384.6	406.9	−0.8%	−0.9%	−1.0%	−1.0%
PA_adult11	PA-02	Diab, Hyptn, CVD, Colo Ca, Breast Ca, Asthma, COPD	340.9	360.8	386.0	407.7	−0.1%	−0.3%	−0.6%	−0.8%
CRCscreen26.5	C-07	Colo Ca	340.5	360.3	386.6	409.2	−0.2%	−0.4%	−0.5%	−0.5%

Key: * "Combo10" first-listed causes of death: Diabetes, hypertension, CVD, asthma, COPD, and 5 types of cancer.
* SmokePrev_adult23: Smoking prevention (adults) intervention with dose of 23%.
* DPP18: Diabetes prevention program with dose of 18%.
* SmokeQuit16.5: Smoking quit services intervention with dose of 16.5%.
* BPmgmt25: BP management intervention with dose of 25%.
* PA_adult11: Physical activity (adults) intervention with dose of 11%.
* CRCscreen26.5: Colorectal cancer screening intervention with dose of 26.5%.
* All interventions start Jan2020, ramped up to indicated dose by Jan20