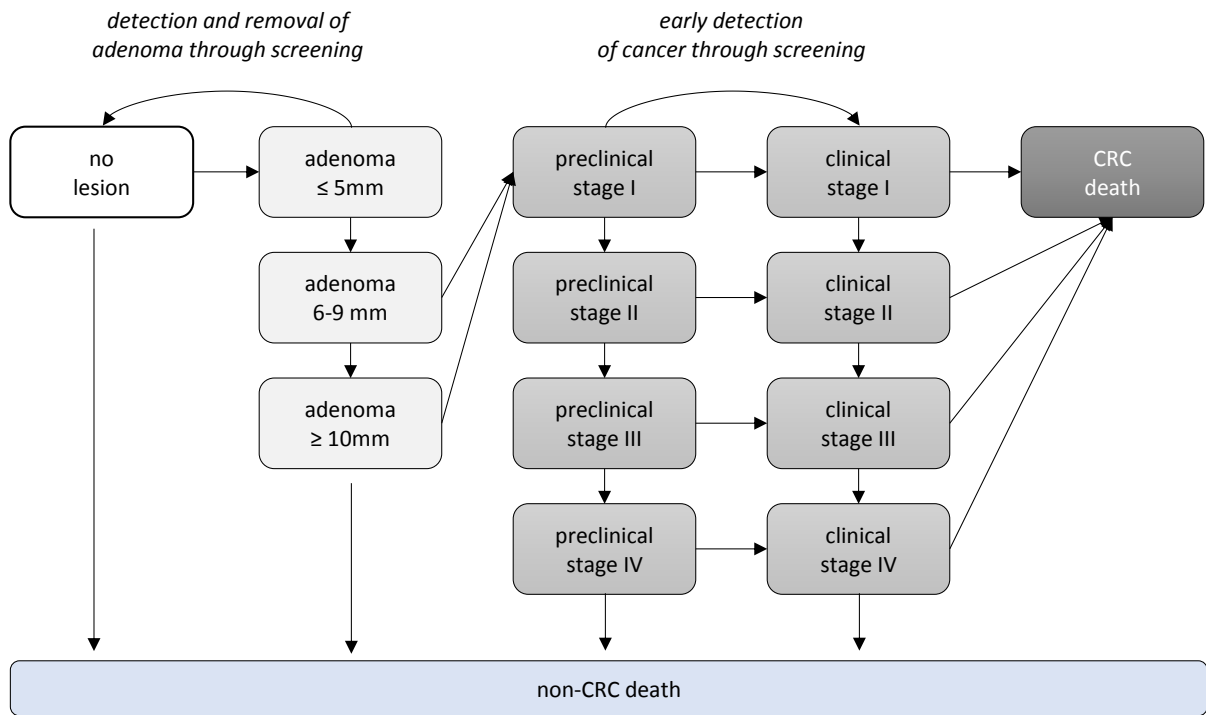


SUPPLEMENTARY APPENDIX

Meester RGS, Peterse EFP, Knudsen AB, de Weerd AC, Chen JC, Lietz AP, Dwyer A, Ahnen DJ, Siegel RL, Smith RA, Zauber AG, and Lansdorp-Vogelaar I.

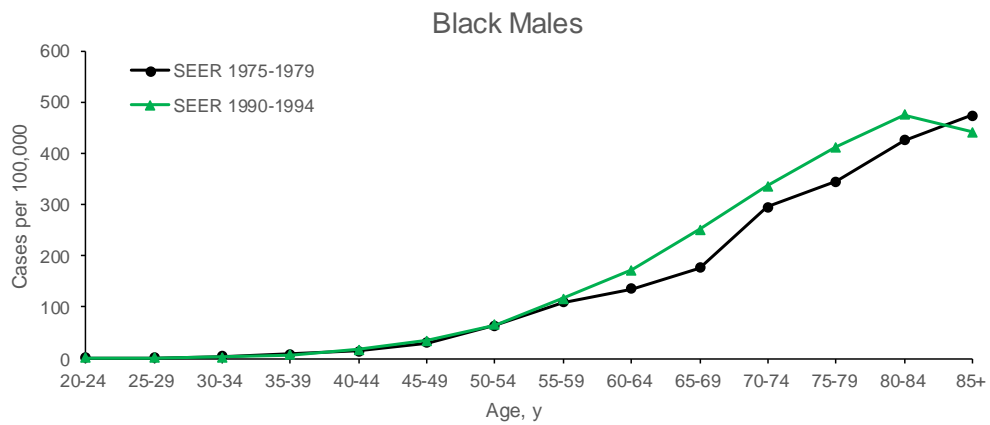
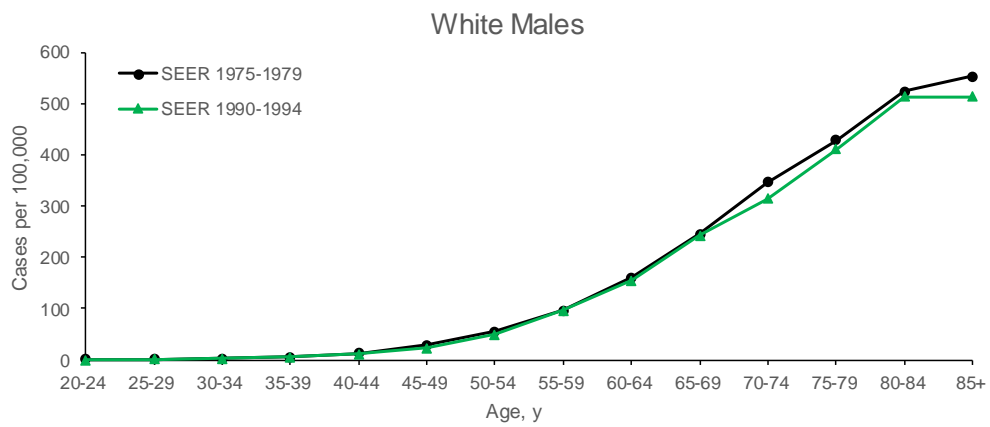
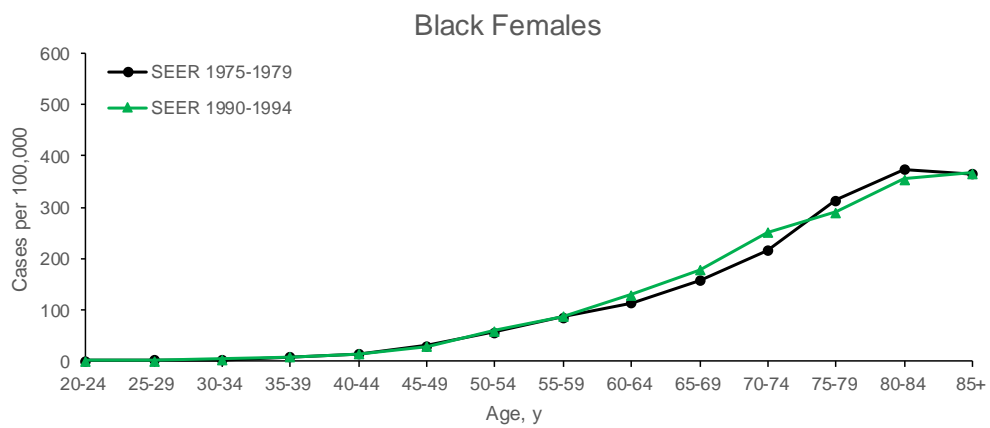
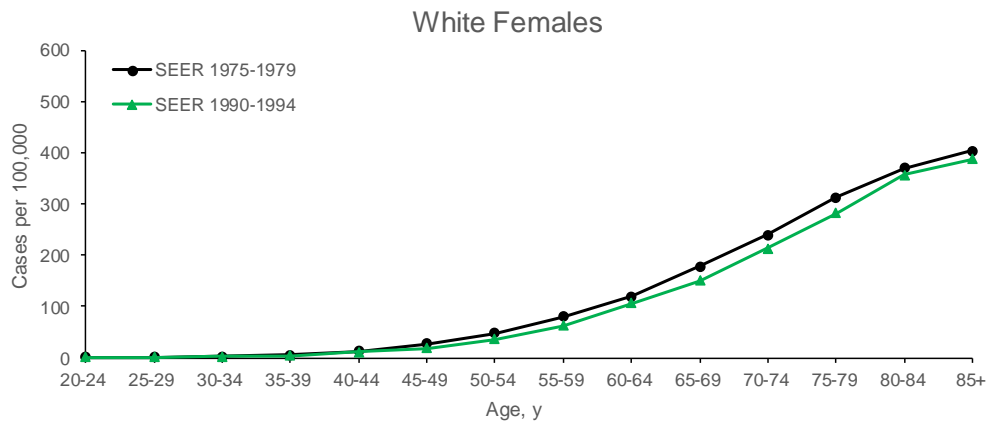
Optimizing Colorectal Cancer Screening by Race and Sex; Microsimulation Analysis II to Inform the American Cancer Society Colorectal Cancer Screening Guideline

CANCER 2018

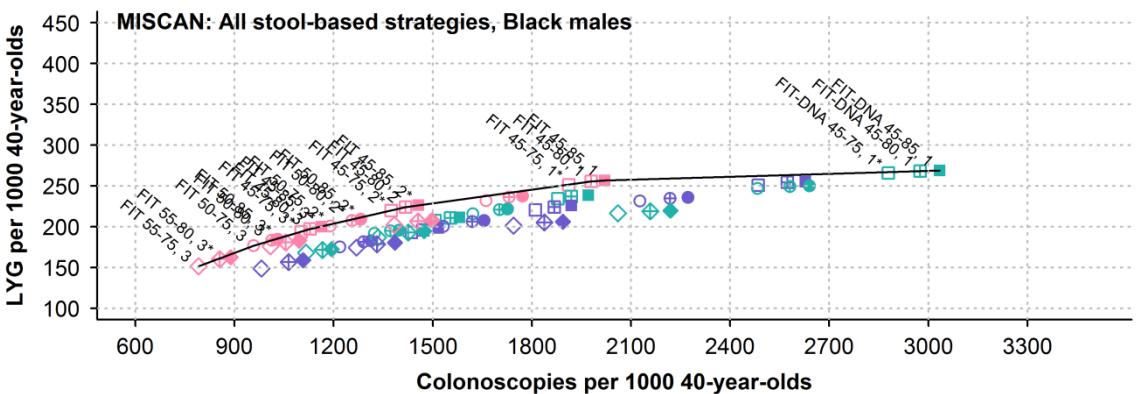
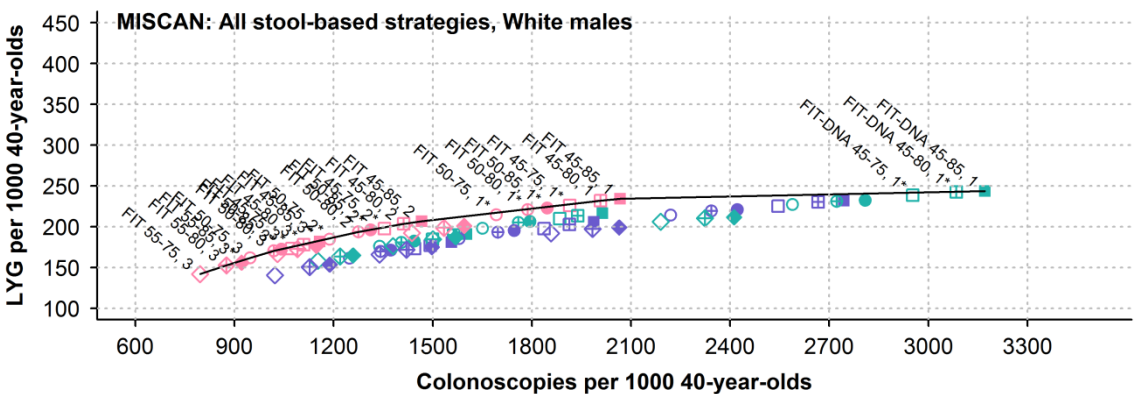
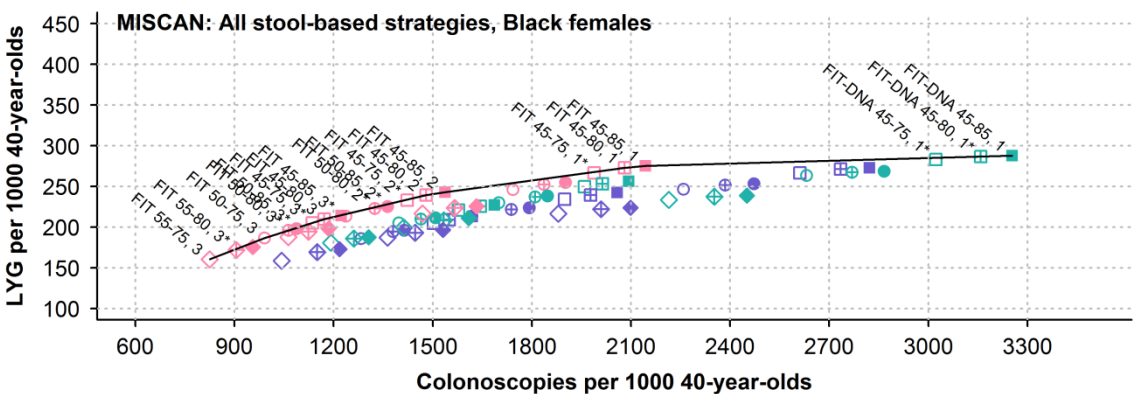
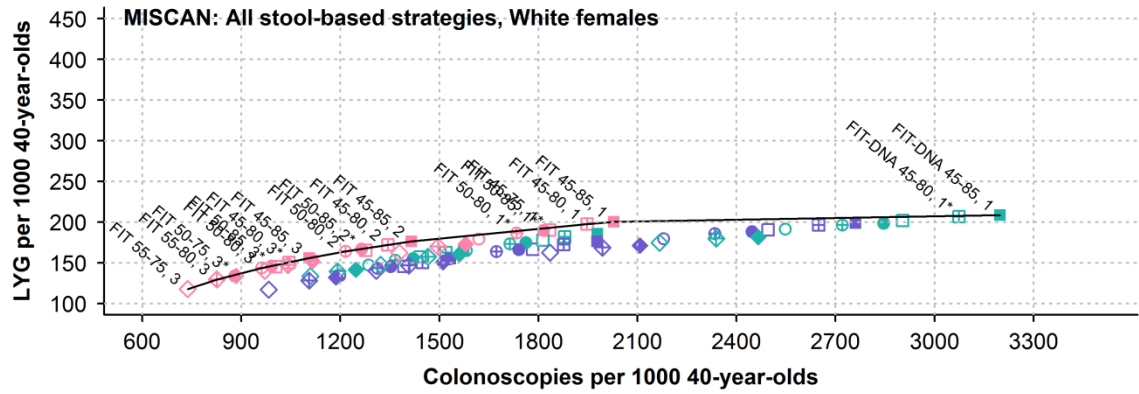


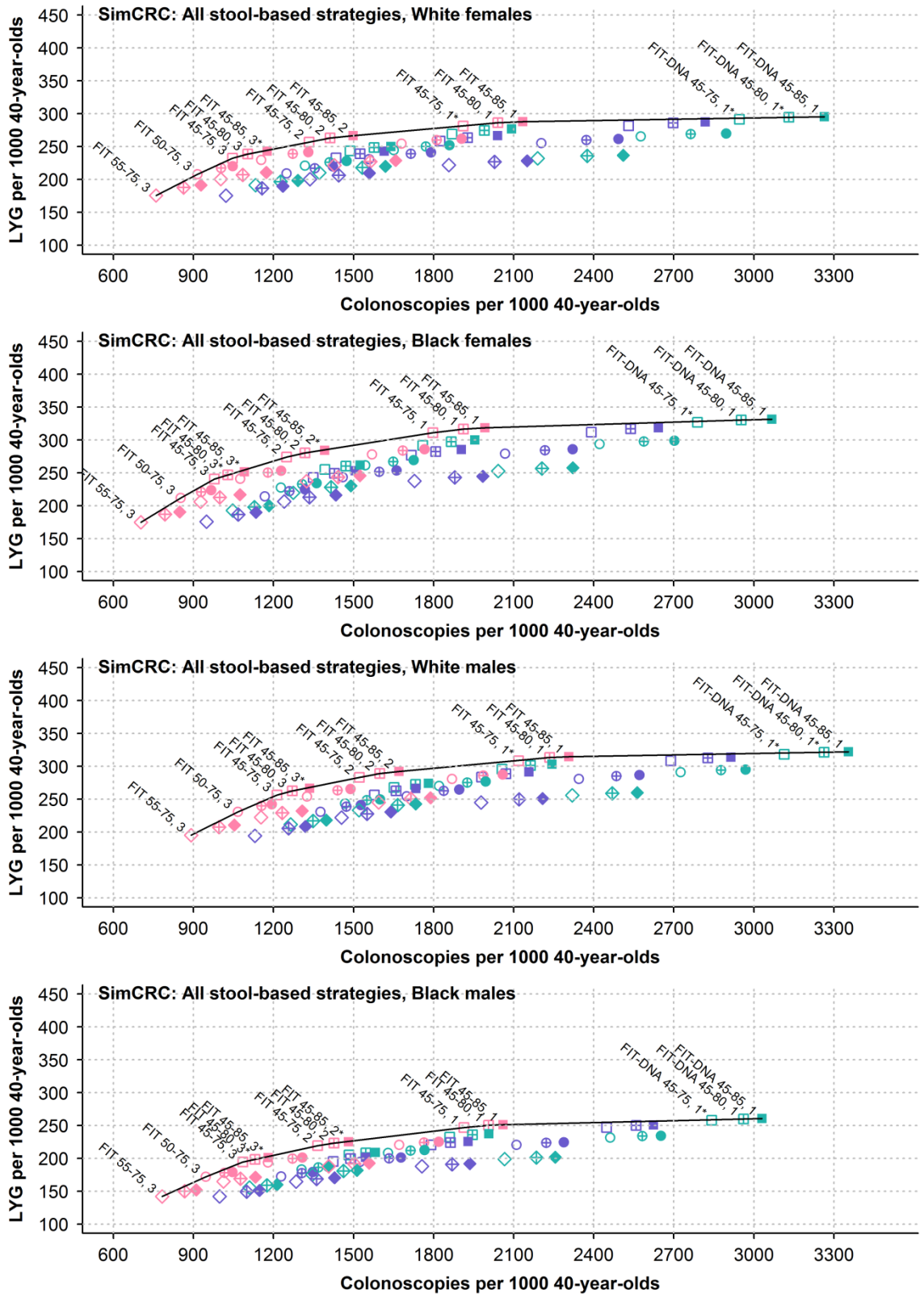
Supplementary Figure 1. Natural History of CRC and the Effects of Screening as Simulated by MISCAN-Colon and SimCRC

The opportunity to intervene in the natural history through screening is noted in italic. Screening can either remove an adenoma, thus moving a person to the “no lesion” state, or diagnose a preclinical cancer, which, if detected at an earlier stage, may be more amenable to treatment.



Supplementary Figure 2. CRC Incidence by Age, Race and Sex in the Surveillance Epidemiology End Results Program (SEER) for the Period 1975-1979 vs 1990-1994.

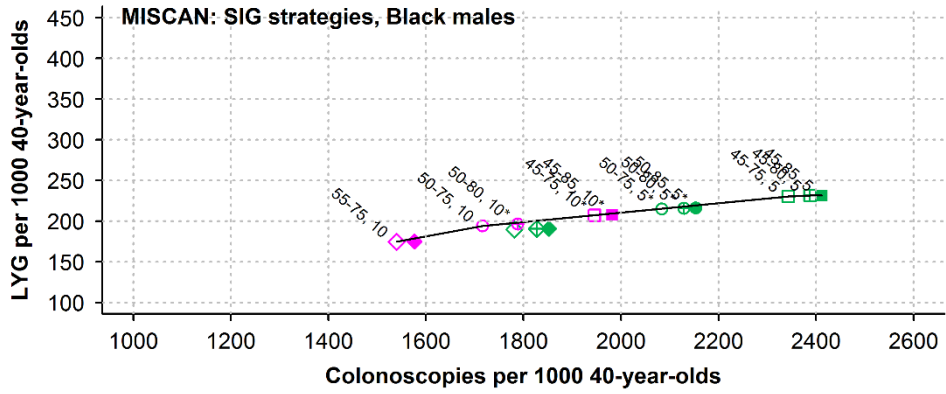
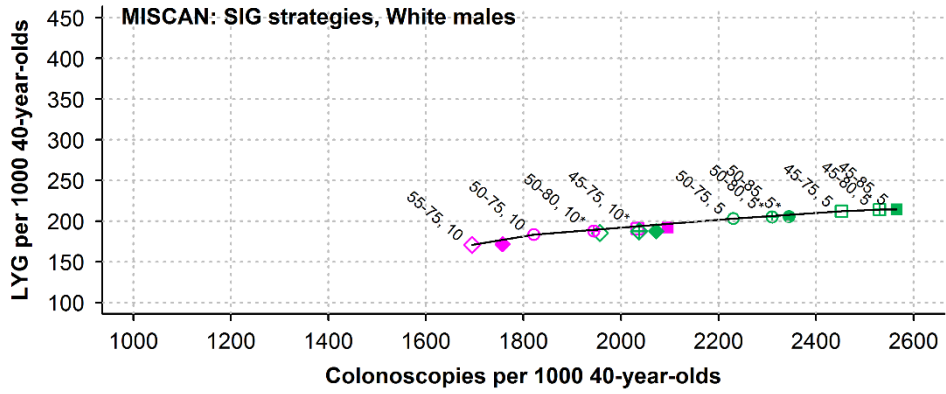
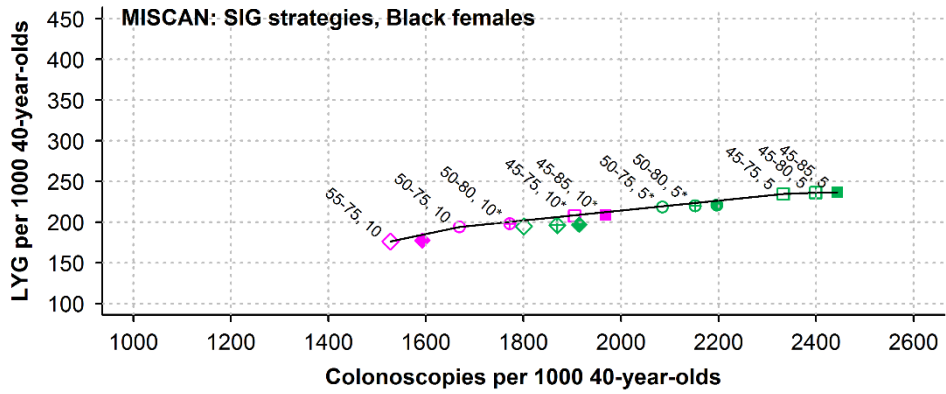
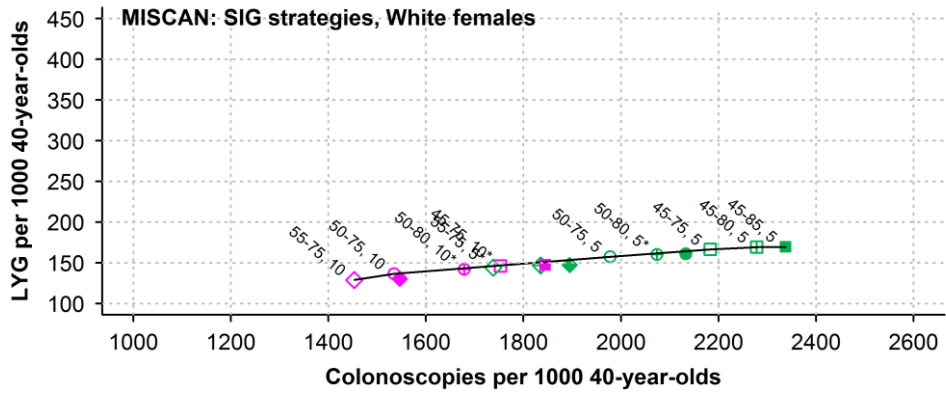


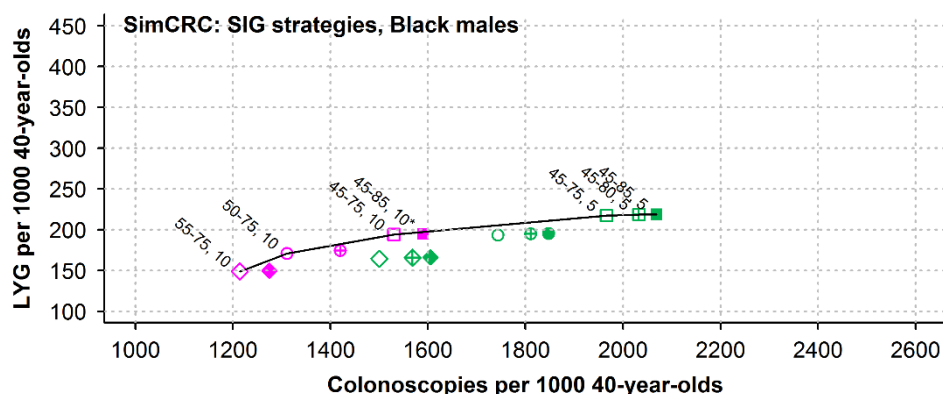
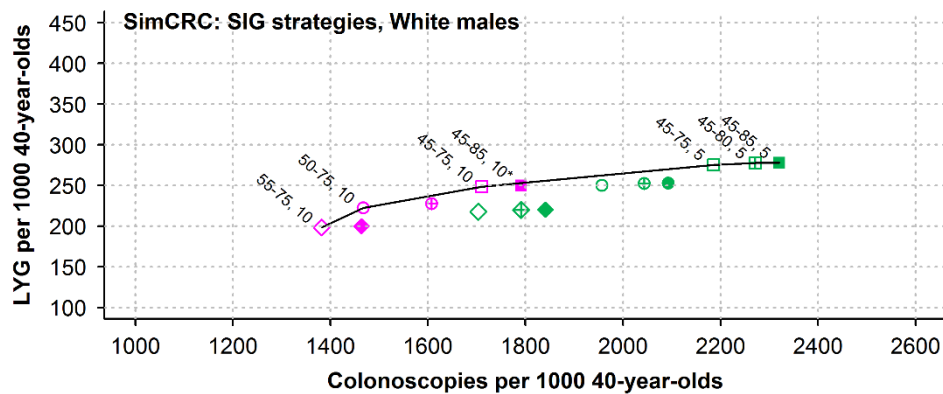
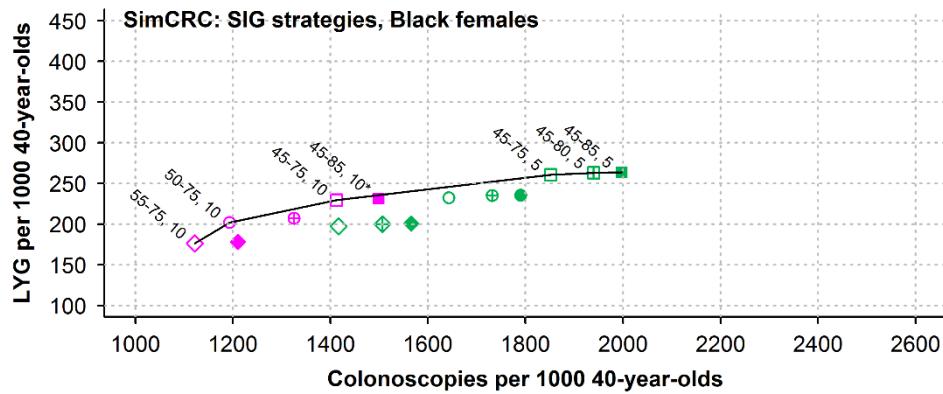
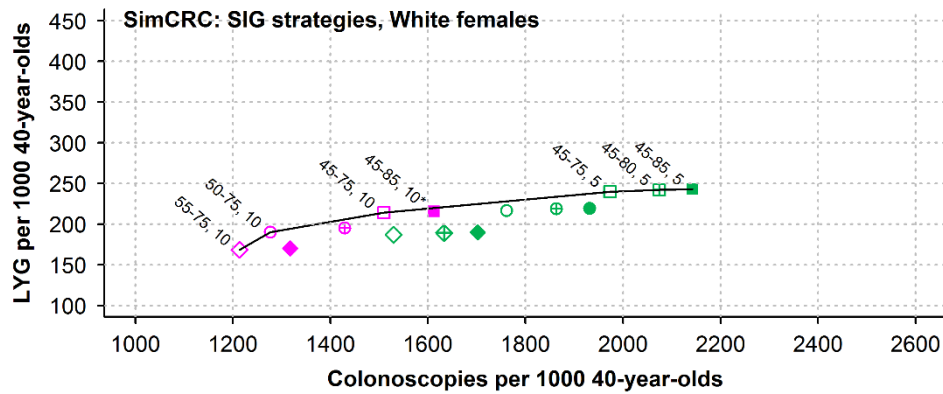


Supplementary Figure 3. Lifetime Number of Colonoscopies and LYG for Stool-Based Screening Strategies under a Scenario of Stable CRC Risk, by Model and Demographic Subgroup ^a

Colors reflect the screening test (pink=FIT; purple=HSGFOBT; turquoise=FIT-DNA), symbols reflect the starting age (diamond=55; circle=50; square=45 years), fill reflects end age (empty=75; cross=80; full=85 years). Efficient and near-efficient* strategies are labelled, with efficiency assessed among all evaluated stool-based screening strategies.

^a Risk within each age-, race-, and sex-specific demographic subgroup was assumed to have remained stable over time since the early screening phase in the U.S. (1975-1979 for SimCRC; 1990-1994 for MISCAN). Outcomes for a scenario with assumed increased risk are included in Supplementary Table 3-6.

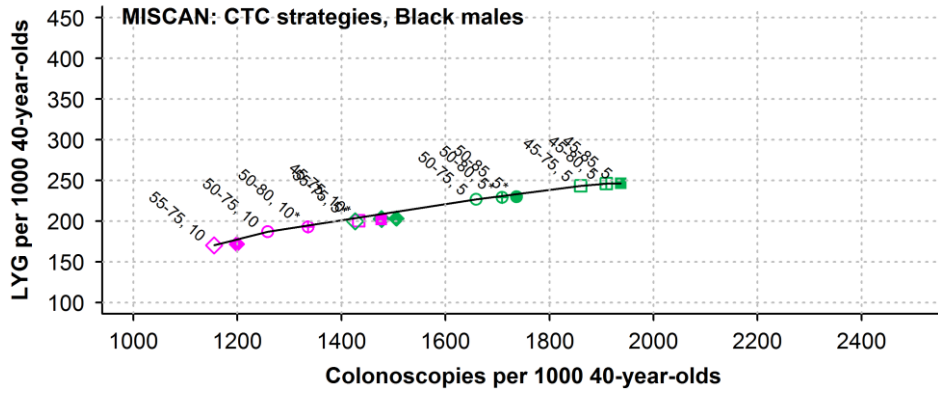
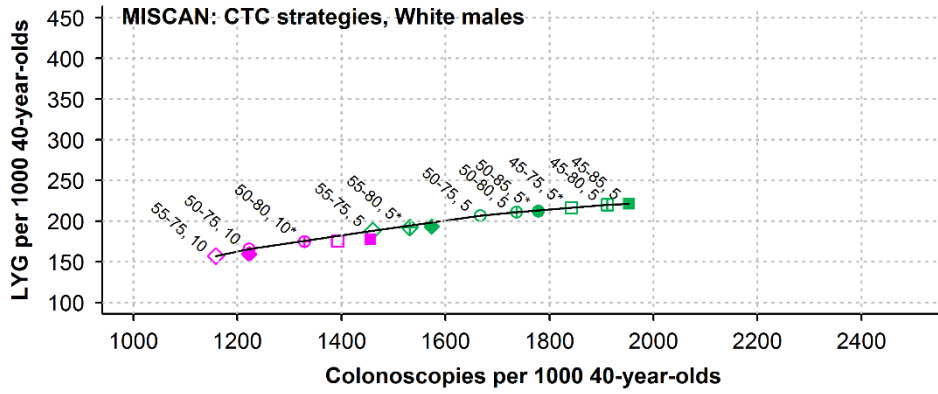
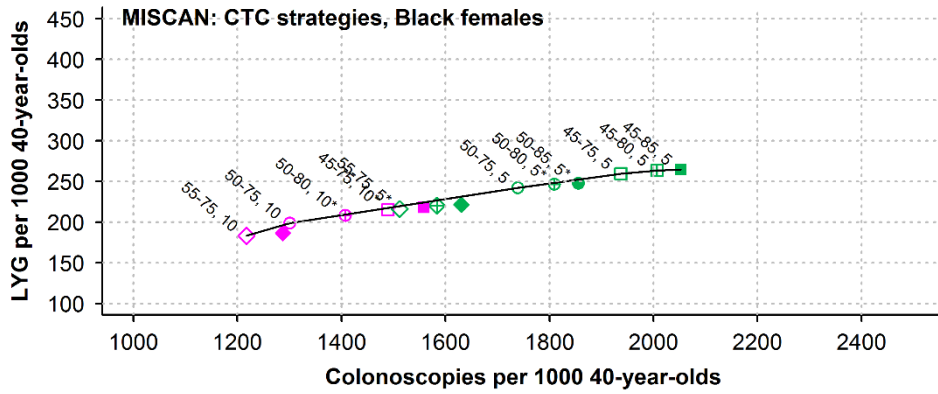
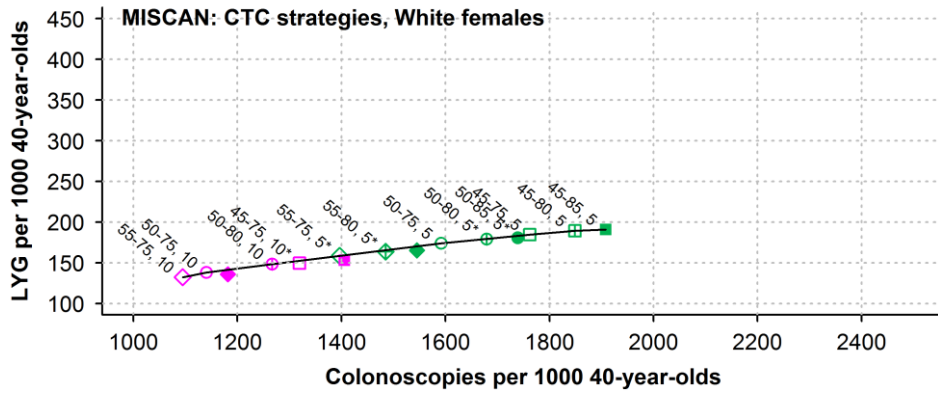


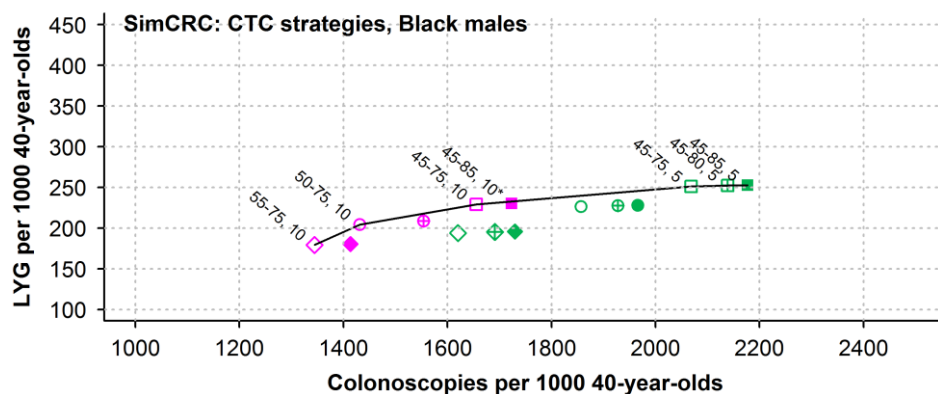
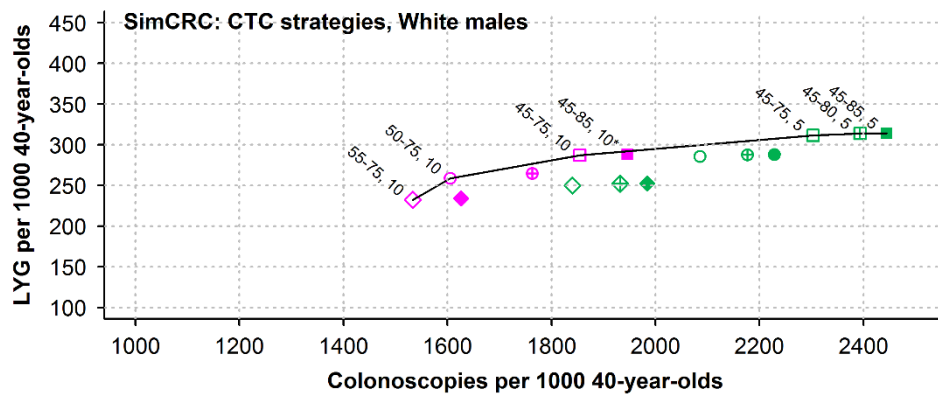
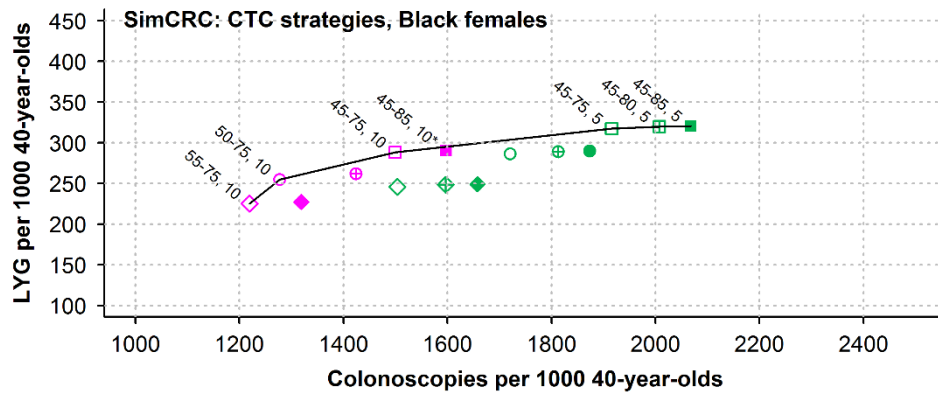
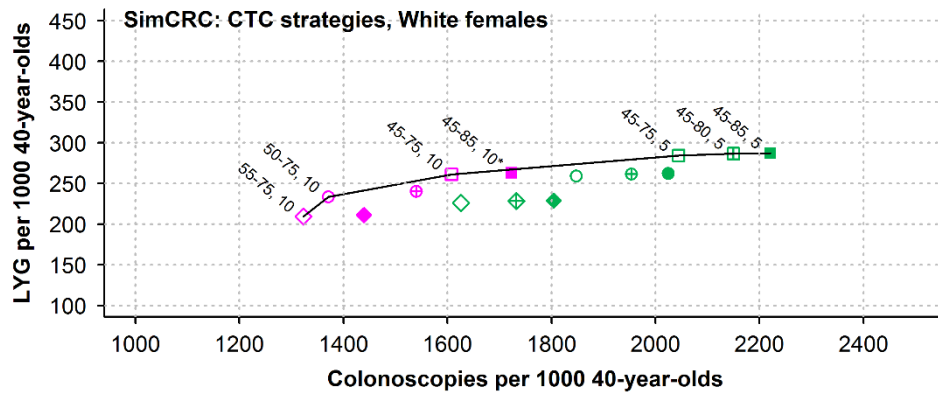


Supplementary Figure 4. Lifetime Number of Colonoscopies and LYG for Sigmoidoscopy Screening Strategies under a Scenario of Stable CRC Risk, by Model and Demographic Subgroup ^a

Colors reflect the screening interval (pink=10; green=5 years), symbols reflect the starting age (diamond=55; circle=50; square=45 years), fill reflects end age (empty=75; cross=80; full=85 years). Efficient and near-efficient* strategies are labelled, with efficiency assessed among all evaluated SIG-based screening strategies.

^a Risk within each age-, race-, and sex-specific demographic subgroup was assumed to have remained stable over time since the early screening phase in the U.S. (1975-1979 for SimCRC; 1990-1994 for MISCAN). Outcomes for a scenario with assumed increased risk are included in Supplementary Table 3-6.





Supplementary Figure 5. Lifetime Number of Colonoscopies and LYG for CTC Screening Strategies under a Scenario of Stable CRC Risk, by Model and Demographic Subgroup ^a

Colors reflect the screening interval (pink=10; green=5 years), symbols reflect the starting age (diamond=55; circle=50; square=45 years), fill reflects end age (empty=75; cross=80; full=85 years). Efficient and near-efficient* strategies are labelled, with efficiency assessed among all evaluated CTC-based screening strategies.

^a Risk within each age-, race-, and sex-specific demographic subgroup was assumed to have remained stable over time since the early screening phase in the U.S. (1975-1979 for SimCRC; 1990-1994 for MISCAN). Outcomes for a scenario with assumed increased risk are included in Supplementary Table 3-6.

Supplementary Table 1. Summary of Differences of This Analysis Compared with a Previous Analysis for the US Preventive Services Task Force.

	ACS analysis	USPSTF analysis
Decision models	MISCAN-Colon and SimCRC	MISCAN-Colon, SimCRC, and CRC-Spin
Simulated population	Race- and sex-specific 40-year-old adults at average risk of CRC	All 40-year-old adults at average risk of CRC
Data source, life expectancy	2013 U.S. lifetables	2009 U.S. lifetables
Data source, CRC risk	SEER 1975-1979 (SimCRC) and SEER 1990-1994 (MISCAN-Colon)	SEER 1975-1979
Evaluated scenarios	Stable and increased age-specific risk based on trends in incidence under age 40, including a shift to more distal localization	Stable age-specific risk
Evaluated strategies	Single-test strategies only	Single- and hybrid test strategies
Decision criterion for selection of model-recommendable strategies, Efficiency	Reassessed for classes of screening modality other than colonoscopy after selecting age to start and stop	Assessed among start ages 50 and 55 and stop ages 75, 80, and 85 for all screening modalities
Decision criterion for selection of model-recommendable strategies, Incremental burden-to-benefit	For colonoscopy-based screening strategies, an acceptance threshold for the incremental number of colonoscopies per LYG of maximum 50 was applied	For colonoscopy-based screening strategies, an acceptance threshold of less than or equal to the incremental number of colonoscopies per LYG for the strategy recommended by the USPSTF in 2008, namely colonoscopy every 10 years from ages 50 to 75, was applied; this number ranged from 39-65 across the three models included in that study

Abbreviations: ACS = American Cancer Society; LYG = life-year gained; SEER = Surveillance Epidemiology and End Results Program; USPSTF = US Preventive Services Task Force.

Supplementary Table 2. Simulated Life Expectancy and Lifetime CRC Risk in the Absence of Screening under Two Scenarios of CRC Risk, by Model and Demographic Subgroup

	Scenario 1: Stable CRC risk ^a				Scenario 2: Increased CRC risk ^b			
	White females	Black females	White males	Black males	White females	Black females	White males	Black males
<u>MISCAN-Colon</u>								
Life expectancy, years	42.3	40.0	38.5	35.3	42.1	39.9	38.1	35.1
CRC outcomes, per 1000 40-year-olds								
Lifetime CRC incidence	59.3	59.9	70.7	62.0	112.6	76.7	149.0	88.0
Lifetime CRC mortality	21.9	28.4	27.2	29.6	42.9	36.8	59.0	42.5
LY lost to CRC	278	387	322	365	539	497	696	518
<u>SimCRC</u>								
Life expectancy, years	42.3	40.0	38.4	35.3	42.1	39.9	38.1	35.1
CRC outcomes, per 1000 40-year-olds								
Lifetime CRC incidence	66.5	64.4	78.6	58.7	119.5	79.9	162.5	91.7
Lifetime CRC mortality	25.7	30.0	31.0	27.0	45.4	37.6	64.6	43.2
LY lost to CRC	335	387	366	307	541	490	739	510

Abbreviations: LY = life-years.

^a Risk within each age-, race-, and sex-specific demographic subgroup was assumed to have remained stable over time since the early screening period in the U.S. (1975-1979 for SimCRC; 1990-1994 for MISCAN).

^b CRC risk was increased proportional to observed trends in CRC incidence among adults under 40 years old. Estimated incidence rate ratios were 1.80-1.90 for white females (range across models), 1.24-1.27 for black females, 2.07-2.13 for white males, and 1.41-1.56 for black males.

Supplementary Table 3. Lifetime Number of Colonoscopies and LYG for All Evaluated Screening Strategies under Two Scenarios for CRC Risk, by Model, in White Females ^a

Sub-group	Modality, and age to begin-end screening, interval, y	Outcomes per 1000 40-year-olds							Relative distance from efficient frontier ^d	ER ^e
		Stool tests	SIGs	CTCs	COLs ^b	LYG	CRC cases averted	CRC deaths averted ^c		
MISCAN - Scenario 1: Stable CRC risk										
WF	No screening	0	0	0	59	0	0	0	-	-
WF	COL 55-75, 15	0	0	0	3028	166	33	15	0%	17.9
WF	COL 55-80, 15	0	0	0	3028	166	33	15	0%	17.9
WF	COL 55-85, 15	0	0	0	3397	168	33	16	-4.7%	Dom.
WF	COL 50-75, 15	0	0	0	3223	172	32	15	0%	30.8
WF	COL 50-80, 15	0	0	0	3758	180	34	16	-2.9%	Dom.
WF	COL 50-85, 15	0	0	0	3758	180	34	16	-2.9%	Dom.
WF	COL 45-75, 15	0	0	0	4045	187	35	16	-2.5%	Dom.
WF	COL 45-80, 15	0	0	0	4045	187	35	16	-2.5%	Dom.
WF	COL 45-85, 15	0	0	0	4045	187	35	16	-2.5%	Dom.
WF	COL 55-75, 10	0	0	0	3743	178	36	17	-3.3%	Dom.
WF	COL 55-80, 10	0	0	0	3743	178	36	17	-3.3%	Dom.
WF	COL 55-85, 10	0	0	0	4081	180	36	17	-6.6%	Dom.
WF	COL 50-75, 10	0	0	0	4067	192	36	17	0%	43.2
WF	COL 50-80, 10	0	0	0	4551	196	38	18	-1.2%	116.5*
WF	COL 50-85, 10	0	0	0	4551	196	38	18	-1.2%	116.5*
WF	COL 45-75, 10	0	0	0	4927	204	38	18	0%	74.4
WF	COL 45-80, 10	0	0	0	4927	204	38	18	0%	74.4
WF	COL 45-85, 10	0	0	0	5265	205	38	18	-0.7%	297.2*
WF	COL 55-75, 5	0	0	0	5142	190	39	18	-7.2%	Dom.
WF	COL 55-80, 5	0	0	0	5578	192	39	18	-7.8%	Dom.
WF	COL 55-85, 5	0	0	0	5880	193	40	18	-8.7%	Dom.
WF	COL 50-75, 5	0	0	0	6175	209	40	18	-1.9%	231.7*
WF	COL 50-80, 5	0	0	0	6611	211	41	19	-2.6%	Dom.
WF	COL 50-85, 5	0	0	0	6913	211	41	19	-3.4%	Dom.
WF	COL 45-75, 5	0	0	0	7219	221	41	19	0%	131.9
WF	COL 45-80, 5	0	0	0	7655	223	42	19	0%	237.0
WF	COL 45-85, 5	0	0	0	7957	223	42	19	0%	908.9
WF	FIT 55-75, 3	5566	0	0	737	118	13	10	0%	5.8
WF	FIT 55-80, 3	6683	0	0	826	130	15	12	0%	7.5
WF	FIT 55-85, 3	7494	0	0	884	134	15	13	-1.3%	Dom.
WF	FIT 50-75, 3	7173	0	0	880	134	15	11	-1.0%	12.5*
WF	FIT 50-80, 3	8236	0	0	962	144	16	13	0%	9.5
WF	FIT 50-85, 3	8654	0	0	991	146	16	13	-0.1%	13.1*
WF	FIT 45-75, 3	8806	0	0	1004	145	16	12	-1.3%	Dom.
WF	FIT 45-80, 3	9347	0	0	1044	151	17	13	-0.1%	12.4*
WF	FIT 45-85, 3	10206	0	0	1105	156	17	14	0%	12.0

WF	FIT 55-75, 2	8188	0	0	971	140	18	12	-3.1%	Dom.
WF	FIT 55-80, 2	9206	0	0	1041	147	19	14	-2.1%	Dom.
WF	FIT 55-85, 2	10371	0	0	1115	152	19	14	-3.0%	Dom.
WF	FIT 50-75, 2	9907	0	0	1115	154	19	13	-1.7%	Dom.
WF	FIT 50-80, 2	11420	0	0	1216	164	21	14	0%	13.5
WF	FIT 50-85, 2	12193	0	0	1265	167	21	15	-0.1%	16.7*
WF	FIT 45-75, 2	12244	0	0	1277	165	20	14	-1.5%	Dom.
WF	FIT 45-80, 2	13249	0	0	1344	172	21	15	0%	16.1
WF	FIT 45-85, 2	14402	0	0	1415	176	22	16	0%	16.3
WF	FIT 55-75, 1	13579	0	0	1379	162	24	14	-6.8%	Dom.
WF	FIT 55-80, 1	15655	0	0	1496	170	26	16	-5.4%	Dom.
WF	FIT 55-85, 1	17232	0	0	1580	173	27	16	-5.5%	Dom.
WF	FIT 50-75, 1	16959	0	0	1620	179	26	15	-2.8%	Dom.
WF	FIT 50-80, 1	19018	0	0	1734	187	28	16	-1.2%	30.8*
WF	FIT 50-85, 1	20587	0	0	1816	190	28	17	-1.4%	30.3*
WF	FIT 45-75, 1	20462	0	0	1834	190	27	16	-1.5%	30.5*
WF	FIT 45-80, 1	22513	0	0	1947	197	29	17	0%	25.1
WF	FIT 45-85, 1	24077	0	0	2028	200	29	17	0%	28.6
WF	FIT-DNA 55-75, 5	3821	0	0	1109	134	18	12	-14.3%	Dom.
WF	FIT-DNA 55-80, 5	4304	0	0	1191	140	19	13	-13.9%	Dom.
WF	FIT-DNA 55-85, 5	4652	0	0	1247	142	19	14	-14.6%	Dom.
WF	FIT-DNA 50-75, 5	4652	0	0	1286	147	20	13	-12.5%	Dom.
WF	FIT-DNA 50-80, 5	5131	0	0	1367	153	20	14	-11.7%	Dom.
WF	FIT-DNA 50-85, 5	5477	0	0	1421	155	20	14	-12.2%	Dom.
WF	FIT-DNA 45-75, 5	5508	0	0	1441	157	21	13	-11.5%	Dom.
WF	FIT-DNA 45-80, 5	5985	0	0	1520	162	21	14	-10.0%	Dom.
WF	FIT-DNA 45-85, 5	6330	0	0	1574	164	21	15	-10.0%	Dom.
WF	FIT-DNA 55-75, 3	4807	0	0	1322	148	22	13	-13.4%	Dom.
WF	FIT-DNA 55-80, 3	5701	0	0	1466	157	24	15	-11.7%	Dom.
WF	FIT-DNA 55-85, 3	6344	0	0	1561	161	24	15	-11.8%	Dom.
WF	FIT-DNA 50-75, 3	6138	0	0	1581	165	24	14	-9.8%	Dom.
WF	FIT-DNA 50-80, 3	6984	0	0	1714	173	26	15	-8.0%	Dom.
WF	FIT-DNA 50-85, 3	7315	0	0	1762	175	26	16	-8.1%	Dom.
WF	FIT-DNA 45-75, 3	7498	0	0	1813	178	25	15	-7.5%	Dom.
WF	FIT-DNA 45-80, 3	7929	0	0	1879	182	26	15	-6.6%	Dom.
WF	FIT-DNA 45-85, 3	8610	0	0	1979	186	27	16	-6.4%	Dom.
WF	FIT-DNA 55-75, 1	9625	0	0	2167	175	31	16	-13.2%	Dom.
WF	FIT-DNA 55-80, 1	10928	0	0	2339	180	33	17	-11.2%	Dom.
WF	FIT-DNA 55-85, 1	11936	0	0	2466	182	33	17	-10.7%	Dom.
WF	FIT-DNA 50-75, 1	11871	0	0	2548	191	33	16	-6.2%	Dom.
WF	FIT-DNA 50-80, 1	13195	0	0	2721	196	34	17	-4.3%	Dom.
WF	FIT-DNA 50-85, 1	14190	0	0	2846	198	35	18	-3.8%	Dom.
WF	FIT-DNA 45-75, 1	14257	0	0	2903	202	34	17	-2.2%	Dom.
WF	FIT-DNA 45-80, 1	15567	0	0	3074	207	35	18	-0.4%	159.6*
WF	FIT-DNA 45-85, 1	16561	0	0	3198	209	36	18	0%	140.2
WF	HSgFOBT 55-75, 3	5191	0	0	983	117	14	10	-19.5%	Dom.

WF	HSgFOBT 55-80, 3	6198	0	0	1105	128	16	12	-17.7%	Dom.
WF	HSgFOBT 55-85, 3	6925	0	0	1187	132	16	13	-18.4%	Dom.
WF	HSgFOBT 50-75, 3	6637	0	0	1199	134	17	11	-17.5%	Dom.
WF	HSgFOBT 50-80, 3	7590	0	0	1312	143	17	13	-15.8%	Dom.
WF	HSgFOBT 50-85, 3	7964	0	0	1353	145	17	13	-15.8%	Dom.
WF	HSgFOBT 45-75, 3	8104	0	0	1393	146	18	12	-16.7%	Dom.
WF	HSgFOBT 45-80, 3	8589	0	0	1449	150	18	13	-15.4%	Dom.
WF	HSgFOBT 45-85, 3	9356	0	0	1533	155	18	14	-14.4%	Dom.
WF	HSgFOBT 55-75, 2	7408	0	0	1309	140	19	13	-17.4%	Dom.
WF	HSgFOBT 55-80, 2	8287	0	0	1407	147	20	14	-16.6%	Dom.
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WF	HSgFOBT 50-75, 2	8900	0	0	1530	155	21	13	-14.5%	Dom.
WF	HSgFOBT 50-80, 2	10199	0	0	1673	164	22	15	-12.2%	Dom.
WF	HSgFOBT 50-85, 2	10859	0	0	1741	166	22	15	-12.2%	Dom.
WF	HSgFOBT 45-75, 2	10924	0	0	1783	167	22	14	-12.7%	Dom.
WF	HSgFOBT 45-80, 2	11786	0	0	1877	172	23	15	-11.4%	Dom.
WF	HSgFOBT 45-85, 2	12768	0	0	1978	176	23	16	-11.3%	Dom.
WF	HSgFOBT 55-75, 1	11197	0	0	1835	162	26	15	-15.8%	Dom.
WF	HSgFOBT 55-80, 1	12775	0	0	1994	169	27	16	-15.2%	Dom.
WF	HSgFOBT 55-85, 1	13974	0	0	2108	171	28	16	-14.7%	Dom.
WF	HSgFOBT 50-75, 1	13803	0	0	2179	180	28	15	-10.8%	Dom.
WF	HSgFOBT 50-80, 1	15376	0	0	2335	186	29	16	-8.2%	Dom.
WF	HSgFOBT 50-85, 1	16565	0	0	2447	188	30	17	-7.5%	Dom.
WF	HSgFOBT 45-75, 1	16527	0	0	2496	190	29	16	-6.5%	Dom.
WF	HSgFOBT 45-80, 1	18091	0	0	2649	196	30	17	-4.1%	Dom.
WF	HSgFOBT 45-85, 1	19275	0	0	2760	199	31	17	-3.4%	Dom.
WF	SIG 55-75, 10	0	2367	0	1453	129	26	12	0%	10.8
WF	SIG 55-80, 10	0	2367	0	1453	129	26	12	0%	10.8
WF	SIG 55-85, 10	0	2724	0	1546	131	26	13	-4.9%	Dom.
WF	SIG 50-75, 10	0	2537	0	1534	137	26	12	0%	10.5
WF	SIG 50-80, 10	0	3031	0	1679	142	27	13	-1.0%	26.6*
WF	SIG 50-85, 10	0	3031	0	1679	142	27	13	-1.0%	26.6*
WF	SIG 45-75, 10	0	3284	0	1753	146	27	13	-0.5%	22.9*
WF	SIG 45-80, 10	0	3284	0	1753	146	27	13	-0.5%	22.9*
WF	SIG 45-85, 10	0	3640	0	1844	148	28	14	-2.4%	Dom.
WF	SIG 55-75, 5	0	3454	0	1738	144	29	14	-1.5%	27.3*
WF	SIG 55-80, 5	0	3867	0	1835	147	30	14	-2.8%	Dom.
WF	SIG 55-85, 5	0	4161	0	1895	147	30	14	-4.1%	Dom.
WF	SIG 50-75, 5	0	4220	0	1978	158	30	14	0%	21.1
WF	SIG 50-80, 5	0	4631	0	2074	160	31	15	-1.0%	37.1*
WF	SIG 50-85, 5	0	4924	0	2133	161	31	15	-2.1%	Dom.
WF	SIG 45-75, 5	0	5025	0	2183	167	31	15	0%	23.1
WF	SIG 45-80, 5	0	5435	0	2279	169	32	15	0%	36.5
WF	SIG 45-85, 5	0	5727	0	2338	170	32	15	0%	92.2
WF	CTC 55-75, 10	0	0	2448	1095	132	22	12	0%	7.8
WF	CTC 55-80, 10	0	0	2448	1095	132	22	12	0%	7.8

WF	CTC 55-85, 10	0	0	2837	1182	136	22	13	-4.0%	Dom.
WF	CTC 50-75, 10	0	0	2614	1141	138	21	12	0%	7.9
WF	CTC 50-80, 10	0	0	3148	1267	149	24	14	0%	12.1
WF	CTC 50-85, 10	0	0	3148	1267	149	24	14	0%	12.1
WF	CTC 45-75, 10	0	0	3394	1320	150	23	13	-1.9%	45.6*
WF	CTC 45-80, 10	0	0	3394	1320	150	23	13	-1.9%	45.6*
WF	CTC 45-85, 10	0	0	3781	1406	153	24	14	-3.9%	Dom.
WF	CTC 55-75, 5	0	0	3657	1397	159	27	14	0.0%	12.8*
WF	CTC 55-80, 5	0	0	4110	1485	164	29	15	-1.1%	14.3*
WF	CTC 55-85, 5	0	0	4437	1545	165	30	16	-2.9%	Dom.
WF	CTC 50-75, 5	0	0	4466	1592	174	29	15	0%	12.8
WF	CTC 50-80, 5	0	0	4917	1679	179	30	16	-0.2%	17.4*
WF	CTC 50-85, 5	0	0	5242	1739	181	31	16	-1.4%	22.4*
WF	CTC 45-75, 5	0	0	5305	1762	184	30	15	0%	16.2
WF	CTC 45-80, 5	0	0	5754	1849	189	31	16	0%	18.0
WF	CTC 45-85, 5	0	0	6079	1908	191	32	17	0%	38.8
MISCAN - Scenario 2: Increased CRC risk										
WF	No screening	0	0	0	113	0	0	0	-	-
WF	COL 55-75, 15	0	0	0	3950	328	65	31	0%	11.7
WF	COL 55-80, 15	0	0	0	3950	328	65	31	0%	11.7
WF	COL 55-85, 15	0	0	0	4184	331	65	32	-2.5%	Dom.
WF	COL 50-75, 15	0	0	0	4266	343	64	30	0%	20.5
WF	COL 50-80, 15	0	0	0	4652	355	68	33	-1.8%	34.0*
WF	COL 50-85, 15	0	0	0	4652	355	68	33	-1.8%	34.0*
WF	COL 45-75, 15	0	0	0	5038	366	68	33	-3.1%	Dom.
WF	COL 45-80, 15	0	0	0	5038	366	68	33	-3.1%	Dom.
WF	COL 45-85, 15	0	0	0	5038	366	68	33	-3.1%	Dom.
WF	COL 55-75, 10	0	0	0	4515	349	70	33	-1.5%	40.5*
WF	COL 55-80, 10	0	0	0	4515	349	70	33	-1.5%	40.5*
WF	COL 55-85, 10	0	0	0	4703	351	70	33	-3.4%	Dom.
WF	COL 50-75, 10	0	0	0	5004	377	71	34	0%	21.9
WF	COL 50-80, 10	0	0	0	5310	383	73	35	-0.4%	48.4*
WF	COL 50-85, 10	0	0	0	5310	383	73	35	-0.4%	48.4*
WF	COL 45-75, 10	0	0	0	5823	398	74	35	0%	39.4
WF	COL 45-80, 10	0	0	0	5823	398	74	35	0%	39.4
WF	COL 45-85, 10	0	0	0	6011	399	75	35	-0.4%	119.7*
WF	COL 55-75, 5	0	0	0	5503	370	74	34	-5.2%	Dom.
WF	COL 55-80, 5	0	0	0	5740	372	76	35	-6.0%	Dom.
WF	COL 55-85, 5	0	0	0	5880	372	76	35	-6.6%	Dom.
WF	COL 50-75, 5	0	0	0	6539	407	78	36	-0.9%	79.7*
WF	COL 50-80, 5	0	0	0	6775	409	79	36	-1.3%	82.7*
WF	COL 50-85, 5	0	0	0	6916	410	79	37	-1.8%	91.5*
WF	COL 45-75, 5	0	0	0	7585	429	80	37	0%	56.1
WF	COL 45-80, 5	0	0	0	7821	432	81	37	0%	93.0
WF	COL 45-85, 5	0	0	0	7962	432	81	37	0%	328.0
WF	FIT 55-75, 3	5302	0	0	1195	227	27	20	0%	4.8

WF	FIT 55-80, 3	6248	0	0	1317	249	30	24	0%	5.6
WF	FIT 55-85, 3	6893	0	0	1390	257	29	25	-1.0%	9.1*
WF	FIT 50-75, 3	6815	0	0	1407	259	30	22	-1.2%	9.2*
WF	FIT 50-80, 3	7700	0	0	1516	278	32	25	0%	6.9
WF	FIT 50-85, 3	8031	0	0	1553	282	32	26	0.0%	8.8*
WF	FIT 45-75, 3	8367	0	0	1583	281	32	24	-1.6%	Dom.
WF	FIT 45-80, 3	8818	0	0	1635	291	34	25	-0.2%	9.2*
WF	FIT 45-85, 3	9500	0	0	1711	300	34	27	0%	8.8
WF	FIT 55-75, 2	7623	0	0	1532	271	36	25	-3.1%	Dom.
WF	FIT 55-80, 2	8444	0	0	1620	284	38	27	-1.9%	16.3*
WF	FIT 55-85, 2	9328	0	0	1706	292	38	28	-2.3%	Dom.
WF	FIT 50-75, 2	9268	0	0	1742	298	38	25	-1.8%	Dom.
WF	FIT 50-80, 2	10477	0	0	1867	317	41	28	0%	9.0
WF	FIT 50-85, 2	11058	0	0	1922	323	41	30	0.0%	10.6*
WF	FIT 45-75, 2	11456	0	0	1964	322	41	27	-1.5%	Dom.
WF	FIT 45-80, 2	12254	0	0	2046	334	43	29	-0.1%	10.6*
WF	FIT 45-85, 2	13118	0	0	2127	342	43	30	0%	10.5
WF	FIT 55-75, 1	12302	0	0	2082	316	49	28	-6.6%	Dom.
WF	FIT 55-80, 1	13860	0	0	2209	330	52	31	-5.1%	Dom.
WF	FIT 55-85, 1	14960	0	0	2290	335	53	32	-5.0%	Dom.
WF	FIT 50-75, 1	15404	0	0	2411	350	52	30	-2.7%	Dom.
WF	FIT 50-80, 1	16931	0	0	2532	364	55	32	-1.1%	18.9*
WF	FIT 50-85, 1	18014	0	0	2611	369	56	33	-1.0%	18.2*
WF	FIT 45-75, 1	18692	0	0	2690	371	54	31	-1.6%	19.3*
WF	FIT 45-80, 1	20204	0	0	2808	385	57	33	-0.1%	16.1*
WF	FIT 45-85, 1	21280	0	0	2885	390	58	34	0%	16.0
WF	FIT-DNA 55-75, 5	3570	0	0	1690	259	36	24	-13.1%	Dom.
WF	FIT-DNA 55-80, 5	3951	0	0	1785	269	38	26	-12.6%	Dom.
WF	FIT-DNA 55-85, 5	4209	0	0	1844	273	38	27	-13.3%	Dom.
WF	FIT-DNA 50-75, 5	4347	0	0	1938	287	39	25	-11.6%	Dom.
WF	FIT-DNA 50-80, 5	4721	0	0	2029	297	41	27	-10.8%	Dom.
WF	FIT-DNA 50-85, 5	4976	0	0	2086	301	41	28	-11.2%	Dom.
WF	FIT-DNA 45-75, 5	5161	0	0	2145	303	41	26	-11.7%	Dom.
WF	FIT-DNA 45-80, 5	5532	0	0	2234	314	42	28	-10.1%	Dom.
WF	FIT-DNA 45-85, 5	5784	0	0	2290	317	42	29	-10.1%	Dom.
WF	FIT-DNA 55-75, 3	4475	0	0	1989	287	44	26	-12.8%	Dom.
WF	FIT-DNA 55-80, 3	5169	0	0	2148	305	47	29	-11.3%	Dom.
WF	FIT-DNA 55-85, 3	5628	0	0	2241	311	48	30	-11.1%	Dom.
WF	FIT-DNA 50-75, 3	5684	0	0	2337	322	48	28	-9.3%	Dom.
WF	FIT-DNA 50-80, 3	6325	0	0	2478	337	51	30	-7.4%	Dom.
WF	FIT-DNA 50-85, 3	6561	0	0	2525	340	51	31	-7.3%	Dom.
WF	FIT-DNA 45-75, 3	6941	0	0	2633	345	50	29	-7.8%	Dom.
WF	FIT-DNA 45-80, 3	7268	0	0	2703	353	52	30	-6.8%	Dom.
WF	FIT-DNA 45-85, 3	7754	0	0	2800	360	53	32	-6.4%	Dom.
WF	FIT-DNA 55-75, 1	8442	0	0	3003	341	61	31	-12.8%	Dom.
WF	FIT-DNA 55-80, 1	9319	0	0	3149	350	64	33	-11.1%	Dom.

WF	FIT-DNA 55-85, 1	9936	0	0	3244	353	65	33	-10.6%	Dom.
WF	FIT-DNA 50-75, 1	10441	0	0	3478	375	65	33	-5.7%	Dom.
WF	FIT-DNA 50-80, 1	11320	0	0	3622	383	67	34	-4.1%	Dom.
WF	FIT-DNA 50-85, 1	11927	0	0	3715	386	68	35	-3.7%	Dom.
WF	FIT-DNA 45-75, 1	12627	0	0	3902	395	66	33	-2.0%	178.8*
WF	FIT-DNA 45-80, 1	13492	0	0	4043	404	69	35	-0.4%	82.8*
WF	FIT-DNA 45-85, 1	14096	0	0	4135	407	70	35	0%	74.0
WF	HSgFOBT 55-75, 3	4968	0	0	1466	227	29	20	-16.2%	Dom.
WF	HSgFOBT 55-80, 3	5814	0	0	1611	247	32	24	-14.5%	Dom.
WF	HSgFOBT 55-85, 3	6382	0	0	1698	254	31	25	-14.9%	Dom.
WF	HSgFOBT 50-75, 3	6317	0	0	1763	260	33	23	-14.9%	Dom.
WF	HSgFOBT 50-80, 3	7098	0	0	1892	277	35	25	-13.3%	Dom.
WF	HSgFOBT 50-85, 3	7387	0	0	1936	281	35	26	-13.3%	Dom.
WF	HSgFOBT 45-75, 3	7695	0	0	2019	283	36	24	-14.8%	Dom.
WF	HSgFOBT 45-80, 3	8091	0	0	2082	291	37	25	-13.8%	Dom.
WF	HSgFOBT 45-85, 3	8686	0	0	2171	300	37	27	-13.1%	Dom.
WF	HSgFOBT 55-75, 2	6922	0	0	1896	271	38	25	-15.2%	Dom.
WF	HSgFOBT 55-80, 2	7615	0	0	2002	283	40	27	-14.3%	Dom.
WF	HSgFOBT 55-85, 2	8347	0	0	2104	290	41	28	-14.6%	Dom.
WF	HSgFOBT 50-75, 2	8325	0	0	2203	301	42	26	-13.3%	Dom.
WF	HSgFOBT 50-80, 2	9334	0	0	2353	318	44	29	-10.9%	Dom.
WF	HSgFOBT 50-85, 2	9811	0	0	2417	322	45	30	-10.7%	Dom.
WF	HSgFOBT 45-75, 2	10188	0	0	2526	325	45	28	-11.4%	Dom.
WF	HSgFOBT 45-80, 2	10851	0	0	2623	336	46	29	-10.0%	Dom.
WF	HSgFOBT 45-85, 2	11557	0	0	2718	343	47	31	-9.6%	Dom.
WF	HSgFOBT 55-75, 1	10189	0	0	2569	317	52	29	-14.3%	Dom.
WF	HSgFOBT 55-80, 1	11322	0	0	2717	328	54	31	-13.4%	Dom.
WF	HSgFOBT 55-85, 1	12110	0	0	2810	332	55	32	-13.7%	Dom.
WF	HSgFOBT 50-75, 1	12523	0	0	3012	351	56	31	-10.3%	Dom.
WF	HSgFOBT 50-80, 1	13634	0	0	3153	362	58	32	-8.0%	Dom.
WF	HSgFOBT 50-85, 1	14407	0	0	3243	366	59	33	-7.3%	Dom.
WF	HSgFOBT 45-75, 1	15026	0	0	3402	372	58	31	-6.1%	Dom.
WF	HSgFOBT 45-80, 1	16121	0	0	3539	383	60	33	-4.0%	Dom.
WF	HSgFOBT 45-85, 1	16886	0	0	3628	387	61	34	-3.3%	Dom.
WF	SIG 55-75, 10	0	1985	0	2935	310	62	30	0%	9.1
WF	SIG 55-80, 10	0	1985	0	2935	310	62	30	0%	9.1
WF	SIG 55-85, 10	0	2181	0	3034	312	62	30	-2.6%	Dom.
WF	SIG 50-75, 10	0	2198	0	3132	331	62	30	0%	9.4
WF	SIG 50-80, 10	0	2492	0	3307	339	65	32	-0.7%	20.4*
WF	SIG 50-85, 10	0	2492	0	3307	339	65	32	-0.7%	20.4*
WF	SIG 45-75, 10	0	2795	0	3466	350	65	31	-0.5%	17.0*
WF	SIG 45-80, 10	0	2795	0	3466	350	65	31	-0.5%	17.0*
WF	SIG 45-85, 10	0	2989	0	3564	353	66	32	-1.5%	19.7*
WF	SIG 55-75, 5	0	2673	0	3229	331	66	31	-1.9%	Dom.
WF	SIG 55-80, 5	0	2894	0	3327	334	67	32	-2.6%	Dom.
WF	SIG 55-85, 5	0	3035	0	3376	335	67	32	-3.2%	Dom.

WF	SIG 50-75, 5	0	3300	0	3618	362	69	33	0%	15.7
WF	SIG 50-80, 5	0	3520	0	3715	366	70	33	-0.4%	25.0*
WF	SIG 50-85, 5	0	3661	0	3763	366	70	34	-0.9%	31.1*
WF	SIG 45-75, 5	0	4005	0	3930	379	70	33	0%	17.8
WF	SIG 45-80, 5	0	4224	0	4026	383	72	34	0%	25.1
WF	SIG 45-85, 5	0	4365	0	4075	384	72	34	0%	60.2
WF	CTC 55-75, 10	0	0	2275	1761	258	43	24	0%	6.4
WF	CTC 55-80, 10	0	0	2275	1761	258	43	24	0%	6.4
WF	CTC 55-85, 10	0	0	2567	1863	264	45	26	-2.8%	Dom.
WF	CTC 50-75, 10	0	0	2471	1838	269	42	23	0%	7.2
WF	CTC 50-80, 10	0	0	2894	1996	288	46	27	-0.3%	8.2*
WF	CTC 50-85, 10	0	0	2894	1996	288	46	27	-0.3%	8.2*
WF	CTC 45-75, 10	0	0	3178	2074	291	46	26	-2.7%	Dom.
WF	CTC 45-80, 10	0	0	3178	2074	291	46	26	-2.7%	Dom.
WF	CTC 45-85, 10	0	0	3467	2174	297	47	27	-4.7%	Dom.
WF	CTC 55-75, 5	0	0	3309	2162	310	54	29	0%	7.8
WF	CTC 55-80, 5	0	0	3644	2259	319	57	30	-0.5%	10.4*
WF	CTC 55-85, 5	0	0	3870	2319	322	58	31	-1.7%	13.0*
WF	CTC 50-75, 5	0	0	4058	2431	340	57	30	0%	8.9
WF	CTC 50-80, 5	0	0	4389	2525	349	60	32	0%	10.5
WF	CTC 50-85, 5	0	0	4613	2584	352	61	32	-0.6%	22.1*
WF	CTC 45-75, 5	0	0	4853	2652	358	58	31	-0.4%	14.1*
WF	CTC 45-80, 5	0	0	5182	2745	367	61	32	0%	12.2
WF	CTC 45-85, 5	0	0	5405	2803	370	62	33	0%	22.3

SimCRC - Scenario 1: Stable CRC risk

WF	No screening	0	0	0	66	0	0	0	-	-
WF	COL 55-75, 15	0	0	0	3001	229	48	21	0%	12.8
WF	COL 55-80, 15	0	0	0	3001	229	48	21	0%	12.8
WF	COL 55-85, 15	0	0	0	3384	230	48	21	-12.1%	Dom.
WF	COL 50-75, 15	0	0	0	3178	255	50	21	0%	6.6
WF	COL 50-80, 15	0	0	0	3745	261	52	22	-4.5%	Dom.
WF	COL 50-85, 15	0	0	0	3745	261	52	22	-4.5%	Dom.
WF	COL 45-75, 15	0	0	0	4062	283	55	23	0%	31.6
WF	COL 45-80, 15	0	0	0	4062	283	55	23	0%	31.6
WF	COL 45-85, 15	0	0	0	4062	283	55	23	0%	31.6
WF	COL 55-75, 10	0	0	0	3746	239	51	22	-12.6%	Dom.
WF	COL 55-80, 10	0	0	0	3746	239	51	22	-12.6%	Dom.
WF	COL 55-85, 10	0	0	0	4080	240	51	22	-15.5%	Dom.
WF	COL 50-75, 10	0	0	0	4062	270	54	23	-4.7%	Dom.
WF	COL 50-80, 10	0	0	0	4555	273	55	23	-6.3%	Dom.
WF	COL 50-85, 10	0	0	0	4555	273	55	23	-6.3%	Dom.
WF	COL 45-75, 10	0	0	0	4952	297	58	24	0%	64.8
WF	COL 45-80, 10	0	0	0	4952	297	58	24	0%	64.8
WF	COL 45-85, 10	0	0	0	5286	298	58	24	-0.2%	511.6*
WF	COL 55-75, 5	0	0	0	5172	246	53	22	-17.5%	Dom.
WF	COL 55-80, 5	0	0	0	5592	247	54	22	-17.7%	Dom.

WF	COL 55-85, 5	0	0	0	5881	247	54	22	-18.0%	Dom.
WF	COL 50-75, 5	0	0	0	6217	280	58	24	-7.2%	Dom.
WF	COL 50-80, 5	0	0	0	6637	281	58	24	-7.5%	Dom.
WF	COL 50-85, 5	0	0	0	6925	281	58	24	-7.8%	Dom.
WF	COL 45-75, 5	0	0	0	7272	306	61	24	0%	248.3
WF	COL 45-80, 5	0	0	0	7692	307	61	25	0%	597.2
WF	COL 45-85, 5	0	0	0	7980	307	61	25	0%	1998.2
WF	FIT 55-75, 3	5618	0	0	760	176	24	15	0%	3.9
WF	FIT 55-80, 3	6735	0	0	863	188	26	17	-4.8%	Dom.
WF	FIT 55-85, 3	7460	0	0	928	191	26	18	-9.0%	Dom.
WF	FIT 50-75, 3	7252	0	0	915	208	28	17	0%	4.8
WF	FIT 50-80, 3	8207	0	0	1003	217	30	18	-3.1%	Dom.
WF	FIT 50-85, 3	8728	0	0	1048	220	30	19	-5.3%	Dom.
WF	FIT 45-75, 3	8777	0	0	1046	232	31	18	0%	5.4
WF	FIT 45-80, 3	9458	0	0	1104	239	32	19	0%	9.0
WF	FIT 45-85, 3	10289	0	0	1176	243	32	20	-0.5%	16.2*
WF	FIT 55-75, 2	8126	0	0	1003	200	30	17	-10.6%	Dom.
WF	FIT 55-80, 2	9124	0	0	1085	207	32	18	-12.5%	Dom.
WF	FIT 55-85, 2	10249	0	0	1173	211	32	19	-13.7%	Dom.
WF	FIT 50-75, 2	9840	0	0	1154	230	34	18	-5.3%	Dom.
WF	FIT 50-80, 2	11322	0	0	1272	239	36	20	-5.1%	Dom.
WF	FIT 50-85, 2	12069	0	0	1330	241	36	21	-5.9%	Dom.
WF	FIT 45-75, 2	12158	0	0	1333	257	38	20	0%	12.5
WF	FIT 45-80, 2	13143	0	0	1412	263	39	21	0%	12.9
WF	FIT 45-85, 2	14258	0	0	1498	266	39	22	0%	24.2
WF	FIT 55-75, 1	13408	0	0	1428	221	39	19	-16.0%	Dom.
WF	FIT 55-80, 1	15410	0	0	1563	227	41	20	-15.6%	Dom.
WF	FIT 55-85, 1	16903	0	0	1658	229	41	21	-15.9%	Dom.
WF	FIT 50-75, 1	16764	0	0	1680	254	44	21	-6.8%	Dom.
WF	FIT 50-80, 1	18753	0	0	1811	260	45	22	-6.5%	Dom.
WF	FIT 50-85, 1	20240	0	0	1905	262	46	22	-6.9%	Dom.
WF	FIT 45-75, 1	20234	0	0	1911	281	47	22	-0.2%	28.5*
WF	FIT 45-80, 1	22216	0	0	2041	286	48	23	0%	27.7
WF	FIT 45-85, 1	23698	0	0	2134	288	49	23	0%	53.5
WF	FIT-DNA 55-75, 5	3809	0	0	1133	191	30	17	-20.6%	Dom.
WF	FIT-DNA 55-80, 5	4285	0	0	1227	197	31	18	-20.8%	Dom.
WF	FIT-DNA 55-85, 5	4624	0	0	1291	198	31	18	-21.7%	Dom.
WF	FIT-DNA 50-75, 5	4638	0	0	1318	221	34	18	-13.6%	Dom.
WF	FIT-DNA 50-80, 5	5111	0	0	1410	226	35	19	-14.0%	Dom.
WF	FIT-DNA 50-85, 5	5449	0	0	1474	228	35	20	-14.2%	Dom.
WF	FIT-DNA 45-75, 5	5489	0	0	1486	243	37	19	-8.6%	Dom.
WF	FIT-DNA 45-80, 5	5960	0	0	1577	248	38	20	-7.8%	Dom.
WF	FIT-DNA 45-85, 5	6297	0	0	1640	250	38	20	-8.0%	Dom.
WF	FIT-DNA 55-75, 3	4965	0	0	1372	210	36	18	-19.1%	Dom.
WF	FIT-DNA 55-80, 3	5851	0	0	1533	218	38	20	-18.6%	Dom.
WF	FIT-DNA 55-85, 3	6349	0	0	1619	220	38	20	-18.8%	Dom.

WF	FIT-DNA 50-75, 3	6335	0	0	1651	245	41	20	-10.1%	Dom.
WF	FIT-DNA 50-80, 3	6999	0	0	1771	250	42	21	-9.5%	Dom.
WF	FIT-DNA 50-85, 3	7529	0	0	1859	252	42	21	-9.8%	Dom.
WF	FIT-DNA 45-75, 3	7510	0	0	1869	269	44	21	-3.9%	Dom.
WF	FIT-DNA 45-80, 3	8214	0	0	1990	274	45	22	-3.5%	Dom.
WF	FIT-DNA 45-85, 3	8812	0	0	2093	277	46	22	-3.6%	Dom.
WF	FIT-DNA 55-75, 1	9509	0	0	2190	232	46	21	-19.4%	Dom.
WF	FIT-DNA 55-80, 1	10771	0	0	2376	236	47	21	-18.6%	Dom.
WF	FIT-DNA 55-85, 1	11726	0	0	2510	237	48	22	-18.5%	Dom.
WF	FIT-DNA 50-75, 1	11755	0	0	2576	265	50	22	-8.8%	Dom.
WF	FIT-DNA 50-80, 1	13042	0	0	2764	269	52	23	-8.0%	Dom.
WF	FIT-DNA 50-85, 1	13987	0	0	2897	270	52	23	-7.9%	Dom.
WF	FIT-DNA 45-75, 1	14124	0	0	2946	291	53	23	-0.7%	239.9*
WF	FIT-DNA 45-80, 1	15396	0	0	3132	294	55	24	0.0%	153.1*
WF	FIT-DNA 45-85, 1	16340	0	0	3264	295	55	24	0%	149.8
WF	HSgFOBT 55-75, 3	5303	0	0	1022	176	26	15	-22.9%	Dom.
WF	HSgFOBT 55-80, 3	6312	0	0	1157	187	27	17	-23.2%	Dom.
WF	HSgFOBT 55-85, 3	6912	0	0	1235	190	28	18	-23.8%	Dom.
WF	HSgFOBT 50-75, 3	6794	0	0	1249	209	30	17	-16.5%	Dom.
WF	HSgFOBT 50-80, 3	7584	0	0	1355	217	32	18	-16.1%	Dom.
WF	HSgFOBT 50-85, 3	8135	0	0	1423	219	32	19	-16.7%	Dom.
WF	HSgFOBT 45-75, 3	8097	0	0	1434	233	33	18	-11.8%	Dom.
WF	HSgFOBT 45-80, 3	8821	0	0	1525	239	34	19	-10.6%	Dom.
WF	HSgFOBT 45-85, 3	9533	0	0	1615	243	35	20	-10.3%	Dom.
WF	HSgFOBT 55-75, 2	7342	0	0	1337	200	32	18	-22.1%	Dom.
WF	HSgFOBT 55-80, 2	8205	0	0	1444	206	33	19	-21.9%	Dom.
WF	HSgFOBT 55-85, 2	9173	0	0	1559	210	34	19	-22.0%	Dom.
WF	HSgFOBT 50-75, 2	8835	0	0	1559	231	36	19	-14.1%	Dom.
WF	HSgFOBT 50-80, 2	10114	0	0	1715	239	38	20	-12.9%	Dom.
WF	HSgFOBT 50-85, 2	10756	0	0	1790	241	38	21	-13.0%	Dom.
WF	HSgFOBT 45-75, 2	10852	0	0	1824	258	40	20	-7.2%	Dom.
WF	HSgFOBT 45-80, 2	11701	0	0	1928	263	41	21	-6.6%	Dom.
WF	HSgFOBT 45-85, 2	12658	0	0	2039	266	41	22	-6.8%	Dom.
WF	HSgFOBT 55-75, 1	11066	0	0	1857	222	40	20	-20.6%	Dom.
WF	HSgFOBT 55-80, 1	12609	0	0	2029	227	42	20	-20.6%	Dom.
WF	HSgFOBT 55-85, 1	13763	0	0	2151	228	42	21	-20.7%	Dom.
WF	HSgFOBT 50-75, 1	13679	0	0	2204	255	45	21	-11.5%	Dom.
WF	HSgFOBT 50-80, 1	15223	0	0	2373	260	47	22	-10.2%	Dom.
WF	HSgFOBT 50-85, 1	16369	0	0	2493	261	47	22	-9.9%	Dom.
WF	HSgFOBT 45-75, 1	16396	0	0	2530	282	49	22	-3.1%	Dom.
WF	HSgFOBT 45-80, 1	17931	0	0	2698	286	50	23	-1.9%	Dom.
WF	HSgFOBT 45-85, 1	19074	0	0	2818	288	50	23	-1.7%	Dom.
WF	SIG 55-75, 10	0	2431	0	1214	168	35	15	0%	6.8
WF	SIG 55-80, 10	0	2431	0	1214	168	35	15	0%	6.8
WF	SIG 55-85, 10	0	2805	0	1317	170	35	16	-12.4%	Dom.
WF	SIG 50-75, 10	0	2595	0	1277	190	37	16	0%	2.9

WF	SIG 50-80, 10	0	3115	0	1429	195	39	17	-5.1%	Dom.
WF	SIG 50-85, 10	0	3115	0	1429	195	39	17	-5.1%	Dom.
WF	SIG 45-75, 10	0	3359	0	1510	214	41	17	0%	9.7
WF	SIG 45-80, 10	0	3359	0	1510	214	41	17	0%	9.7
WF	SIG 45-85, 10	0	3732	0	1612	216	41	18	-1.9%	64.1*
WF	SIG 55-75, 5	0	3583	0	1530	187	40	17	-13.1%	Dom.
WF	SIG 55-80, 5	0	4013	0	1633	189	40	18	-14.3%	Dom.
WF	SIG 55-85, 5	0	4318	0	1702	190	41	18	-15.5%	Dom.
WF	SIG 50-75, 5	0	4369	0	1761	216	44	19	-5.1%	Dom.
WF	SIG 50-80, 5	0	4796	0	1864	219	44	19	-6.5%	Dom.
WF	SIG 50-85, 5	0	5099	0	1932	219	45	19	-7.7%	Dom.
WF	SIG 45-75, 5	0	5179	0	1973	240	46	20	0%	17.8
WF	SIG 45-80, 5	0	5604	0	2074	242	47	20	0%	45.7
WF	SIG 45-85, 5	0	5907	0	2142	243	47	20	0%	108.9
WF	CTC 55-75, 10	0	0	2407	1323	209	42	19	0%	6.0
WF	CTC 55-80, 10	0	0	2407	1323	209	42	19	0%	6.0
WF	CTC 55-85, 10	0	0	2769	1440	211	42	20	-12.6%	Dom.
WF	CTC 50-75, 10	0	0	2578	1371	234	44	19	0%	2.0
WF	CTC 50-80, 10	0	0	3085	1540	240	46	21	-5.2%	Dom.
WF	CTC 50-85, 10	0	0	3085	1540	240	46	21	-5.2%	Dom.
WF	CTC 45-75, 10	0	0	3336	1608	261	48	21	0%	8.6
WF	CTC 45-80, 10	0	0	3336	1608	261	48	21	0%	8.6
WF	CTC 45-85, 10	0	0	3696	1723	263	48	22	-1.6%	60.8*
WF	CTC 55-75, 5	0	0	3548	1626	226	47	20	-13.8%	Dom.
WF	CTC 55-80, 5	0	0	3966	1733	228	48	21	-14.7%	Dom.
WF	CTC 55-85, 5	0	0	4260	1804	229	48	21	-15.6%	Dom.
WF	CTC 50-75, 5	0	0	4341	1848	259	51	22	-5.4%	Dom.
WF	CTC 50-80, 5	0	0	4757	1954	261	52	22	-6.4%	Dom.
WF	CTC 50-85, 5	0	0	5051	2025	262	52	22	-7.4%	Dom.
WF	CTC 45-75, 5	0	0	5163	2045	284	53	23	0%	19.0
WF	CTC 45-80, 5	0	0	5579	2150	287	55	23	0%	44.3
WF	CTC 45-85, 5	0	0	5872	2221	287	55	23	0%	109.8

SimCRC - Scenario 2: Increased CRC risk

WF	No screening	0	0	0	120	0	0	0	-	-
WF	COL 55-75, 15	0	0	0	3181	370	82	35	0%	8.3
WF	COL 55-80, 15	0	0	0	3181	370	82	35	0%	8.3
WF	COL 55-85, 15	0	0	0	3540	375	84	36	-8.1%	Dom.
WF	COL 50-75, 15	0	0	0	3300	396	80	34	0%	4.7
WF	COL 50-80, 15	0	0	0	3889	414	88	38	-2.6%	Dom.
WF	COL 50-85, 15	0	0	0	3889	414	88	38	-2.6%	Dom.
WF	COL 45-75, 15	0	0	0	4218	442	91	39	0%	19.9
WF	COL 45-80, 15	0	0	0	4218	442	91	39	0%	19.9
WF	COL 45-85, 15	0	0	0	4218	442	91	39	0%	19.9
WF	COL 55-75, 10	0	0	0	3943	397	90	38	-7.3%	Dom.
WF	COL 55-80, 10	0	0	0	3943	397	90	38	-7.3%	Dom.
WF	COL 55-85, 10	0	0	0	4228	399	91	39	-9.8%	Dom.

WF	COL 50-75, 10	0	0	0	4254	434	92	38	-2.2%	Dom.
WF	COL 50-80, 10	0	0	0	4723	442	97	40	-3.6%	Dom.
WF	COL 50-85, 10	0	0	0	4723	442	97	40	-3.6%	Dom.
WF	COL 45-75, 10	0	0	0	5138	473	99	41	0%	29.4
WF	COL 45-80, 10	0	0	0	5138	473	99	41	0%	29.4
WF	COL 45-85, 10	0	0	0	5424	475	100	41	-0.1%	142.9*
WF	COL 55-75, 5	0	0	0	5343	413	96	39	-13.0%	Dom.
WF	COL 55-80, 5	0	0	0	5695	416	97	40	-13.1%	Dom.
WF	COL 55-85, 5	0	0	0	5914	416	98	40	-13.4%	Dom.
WF	COL 50-75, 5	0	0	0	6393	461	101	41	-5.0%	Dom.
WF	COL 50-80, 5	0	0	0	6745	463	103	42	-5.2%	Dom.
WF	COL 50-85, 5	0	0	0	6964	463	104	42	-5.5%	Dom.
WF	COL 45-75, 5	0	0	0	7453	495	105	42	0%	106.6
WF	COL 45-80, 5	0	0	0	7805	497	107	43	0%	146.4
WF	COL 45-85, 5	0	0	0	8024	498	107	43	0%	472.9
WF	FIT 55-75, 3	5566	0	0	871	271	39	23	0%	2.8
WF	FIT 55-80, 3	6627	0	0	1002	299	43	28	-3.1%	Dom.
WF	FIT 55-85, 3	7289	0	0	1084	308	44	30	-6.7%	Dom.
WF	FIT 50-75, 3	7200	0	0	1027	316	45	26	0%	3.5
WF	FIT 50-80, 3	8106	0	0	1140	338	48	30	-1.9%	5.1*
WF	FIT 50-85, 3	8582	0	0	1196	345	49	31	-3.5%	Dom.
WF	FIT 45-75, 3	8732	0	0	1155	348	48	28	0%	3.9
WF	FIT 45-80, 3	9380	0	0	1229	364	51	30	0%	4.8
WF	FIT 45-85, 3	10143	0	0	1322	375	52	33	-0.4%	8.3*
WF	FIT 55-75, 2	8025	0	0	1140	318	50	28	-7.8%	Dom.
WF	FIT 55-80, 2	8961	0	0	1244	335	54	31	-8.5%	Dom.
WF	FIT 55-85, 2	9972	0	0	1353	345	55	33	-9.5%	Dom.
WF	FIT 50-75, 2	9766	0	0	1279	354	54	29	-4.5%	Dom.
WF	FIT 50-80, 2	11159	0	0	1430	379	59	33	-3.4%	Dom.
WF	FIT 50-85, 2	11831	0	0	1501	385	60	35	-4.2%	Dom.
WF	FIT 45-75, 2	12090	0	0	1459	393	59	32	-0.6%	7.9*
WF	FIT 45-80, 2	13017	0	0	1560	410	63	34	0%	7.3
WF	FIT 45-85, 2	14022	0	0	1666	419	64	36	0%	11.2
WF	FIT 55-75, 1	13210	0	0	1595	360	66	33	-12.8%	Dom.
WF	FIT 55-80, 1	15050	0	0	1759	376	71	35	-11.5%	Dom.
WF	FIT 55-85, 1	16349	0	0	1869	381	72	37	-11.7%	Dom.
WF	FIT 50-75, 1	16603	0	0	1840	405	72	35	-5.8%	Dom.
WF	FIT 50-80, 1	18435	0	0	2002	421	76	37	-4.4%	Dom.
WF	FIT 50-85, 1	19730	0	0	2111	426	78	39	-4.7%	Dom.
WF	FIT 45-75, 1	20115	0	0	2064	439	76	36	-1.3%	20.1*
WF	FIT 45-80, 1	21941	0	0	2225	455	81	39	0%	15.6
WF	FIT 45-85, 1	23235	0	0	2333	460	82	40	0%	20.2
WF	FIT-DNA 55-75, 5	3770	0	0	1267	300	50	27	-18.7%	Dom.
WF	FIT-DNA 55-80, 5	4216	0	0	1380	314	53	30	-18.4%	Dom.
WF	FIT-DNA 55-85, 5	4519	0	0	1456	319	53	31	-19.4%	Dom.
WF	FIT-DNA 50-75, 5	4607	0	0	1446	340	55	29	-13.8%	Dom.

WF	FIT-DNA 50-80, 5	5050	0	0	1557	353	58	32	-13.8%	Dom.
WF	FIT-DNA 50-85, 5	5353	0	0	1632	357	58	33	-14.1%	Dom.
WF	FIT-DNA 45-75, 5	5466	0	0	1607	368	59	30	-10.9%	Dom.
WF	FIT-DNA 45-80, 5	5908	0	0	1718	381	62	33	-9.7%	Dom.
WF	FIT-DNA 45-85, 5	6210	0	0	1792	386	62	34	-9.6%	Dom.
WF	FIT-DNA 55-75, 3	4916	0	0	1516	334	59	30	-17.1%	Dom.
WF	FIT-DNA 55-80, 3	5745	0	0	1710	356	65	34	-15.6%	Dom.
WF	FIT-DNA 55-85, 3	6187	0	0	1809	361	66	35	-15.6%	Dom.
WF	FIT-DNA 50-75, 3	6293	0	0	1796	383	66	33	-10.4%	Dom.
WF	FIT-DNA 50-80, 3	6913	0	0	1940	398	70	35	-8.8%	Dom.
WF	FIT-DNA 50-85, 3	7385	0	0	2041	404	72	37	-8.8%	Dom.
WF	FIT-DNA 45-75, 3	7484	0	0	2003	414	70	34	-6.1%	Dom.
WF	FIT-DNA 45-80, 3	8144	0	0	2150	430	74	36	-4.5%	Dom.
WF	FIT-DNA 45-85, 3	8679	0	0	2268	437	76	38	-4.4%	Dom.
WF	FIT-DNA 55-75, 1	9367	0	0	2380	381	79	35	-17.3%	Dom.
WF	FIT-DNA 55-80, 1	10505	0	0	2587	392	83	37	-15.4%	Dom.
WF	FIT-DNA 55-85, 1	11311	0	0	2724	395	84	38	-15.0%	Dom.
WF	FIT-DNA 50-75, 1	11653	0	0	2757	426	84	37	-8.4%	Dom.
WF	FIT-DNA 50-80, 1	12814	0	0	2968	438	89	39	-6.5%	Dom.
WF	FIT-DNA 50-85, 1	13612	0	0	3104	441	90	40	-6.2%	Dom.
WF	FIT-DNA 45-75, 1	14057	0	0	3120	460	88	38	-2.1%	Dom.
WF	FIT-DNA 45-80, 1	15206	0	0	3328	471	93	40	-0.3%	90.1*
WF	FIT-DNA 45-85, 1	16003	0	0	3464	474	94	41	0%	79.4
WF	HSgFOBT 55-75, 3	5256	0	0	1136	273	42	24	-20.6%	Dom.
WF	HSgFOBT 55-80, 3	6215	0	0	1295	299	47	28	-20.0%	Dom.
WF	HSgFOBT 55-85, 3	6764	0	0	1384	306	47	30	-20.5%	Dom.
WF	HSgFOBT 50-75, 3	6751	0	0	1361	319	48	27	-16.5%	Dom.
WF	HSgFOBT 50-80, 3	7502	0	0	1486	338	52	30	-15.3%	Dom.
WF	HSgFOBT 50-85, 3	8005	0	0	1564	345	53	31	-15.8%	Dom.
WF	HSgFOBT 45-75, 3	8066	0	0	1539	350	52	28	-13.9%	Dom.
WF	HSgFOBT 45-80, 3	8756	0	0	1646	367	55	31	-12.2%	Dom.
WF	HSgFOBT 45-85, 3	9411	0	0	1751	376	56	33	-11.4%	Dom.
WF	HSgFOBT 55-75, 2	7259	0	0	1475	319	54	29	-19.8%	Dom.
WF	HSgFOBT 55-80, 2	8070	0	0	1600	334	57	31	-19.1%	Dom.
WF	HSgFOBT 55-85, 2	8941	0	0	1728	343	58	33	-18.9%	Dom.
WF	HSgFOBT 50-75, 2	8779	0	0	1684	357	58	30	-15.0%	Dom.
WF	HSgFOBT 50-80, 2	9986	0	0	1866	379	63	34	-12.3%	Dom.
WF	HSgFOBT 50-85, 2	10564	0	0	1950	384	64	35	-12.1%	Dom.
WF	HSgFOBT 45-75, 2	10808	0	0	1945	396	63	32	-9.4%	Dom.
WF	HSgFOBT 45-80, 2	11610	0	0	2067	411	67	35	-7.7%	Dom.
WF	HSgFOBT 45-85, 2	12474	0	0	2192	419	68	37	-7.5%	Dom.
WF	HSgFOBT 55-75, 1	10925	0	0	2021	360	68	33	-18.4%	Dom.
WF	HSgFOBT 55-80, 1	12351	0	0	2214	375	73	36	-17.4%	Dom.
WF	HSgFOBT 55-85, 1	13357	0	0	2342	380	74	37	-17.5%	Dom.
WF	HSgFOBT 50-75, 1	13579	0	0	2358	406	75	35	-11.7%	Dom.
WF	HSgFOBT 50-80, 1	15008	0	0	2550	421	79	38	-9.1%	Dom.

WF	HSgFOBT 50-85, 1	16010	0	0	2677	425	80	39	-8.4%	Dom.
WF	HSgFOBT 45-75, 1	16337	0	0	2676	440	79	36	-5.2%	Dom.
WF	HSgFOBT 45-80, 1	17759	0	0	2866	454	83	39	-2.7%	Dom.
WF	HSgFOBT 45-85, 1	18759	0	0	2994	459	84	40	-2.0%	Dom.
WF	SIG 55-75, 10	0	2334	0	1783	347	77	33	0%	4.8
WF	SIG 55-80, 10	0	2334	0	1783	347	77	33	0%	4.8
WF	SIG 55-85, 10	0	2629	0	1924	351	78	34	-10.2%	Dom.
WF	SIG 50-75, 10	0	2530	0	1808	375	77	33	0%	0.9
WF	SIG 50-80, 10	0	2971	0	2040	389	83	36	-4.5%	Dom.
WF	SIG 50-85, 10	0	2971	0	2040	389	83	36	-4.5%	Dom.
WF	SIG 45-75, 10	0	3257	0	2103	416	85	36	0%	7.2
WF	SIG 45-80, 10	0	3257	0	2103	416	85	36	0%	7.2
WF	SIG 45-85, 10	0	3551	0	2243	420	86	37	-1.3%	37.4*
WF	SIG 55-75, 5	0	3352	0	2108	370	83	35	-11.1%	Dom.
WF	SIG 55-80, 5	0	3690	0	2240	375	86	36	-11.6%	Dom.
WF	SIG 55-85, 5	0	3913	0	2319	377	86	37	-12.4%	Dom.
WF	SIG 50-75, 5	0	4129	0	2352	413	88	37	-4.5%	Dom.
WF	SIG 50-80, 5	0	4465	0	2483	418	91	38	-5.1%	Dom.
WF	SIG 50-85, 5	0	4688	0	2562	419	92	39	-5.9%	Dom.
WF	SIG 45-75, 5	0	4937	0	2567	446	92	38	0%	15.5
WF	SIG 45-80, 5	0	5274	0	2698	451	95	39	0%	25.0
WF	SIG 45-85, 5	0	5496	0	2777	453	95	40	0%	59.7
WF	CTC 55-75, 10	0	0	2386	1507	338	71	32	0%	4.1
WF	CTC 55-80, 10	0	0	2386	1507	338	71	32	0%	4.1
WF	CTC 55-85, 10	0	0	2707	1656	343	73	34	-10.8%	Dom.
WF	CTC 50-75, 10	0	0	2574	1510	361	70	31	0%	0.1
WF	CTC 50-80, 10	0	0	3049	1738	379	77	35	-4.6%	Dom.
WF	CTC 50-85, 10	0	0	3049	1738	379	77	35	-4.6%	Dom.
WF	CTC 45-75, 10	0	0	3325	1780	405	79	35	0%	6.2
WF	CTC 45-80, 10	0	0	3325	1780	405	79	35	0%	6.2
WF	CTC 45-85, 10	0	0	3646	1927	410	81	36	-2.1%	Dom.
WF	CTC 55-75, 5	0	0	3500	1841	373	81	35	-9.2%	Dom.
WF	CTC 55-80, 5	0	0	3874	1976	380	84	37	-10.3%	Dom.
WF	CTC 55-85, 5	0	0	4121	2060	382	85	37	-11.5%	Dom.
WF	CTC 50-75, 5	0	0	4302	2057	416	86	37	-3.5%	Dom.
WF	CTC 50-80, 5	0	0	4675	2192	423	89	38	-4.6%	Dom.
WF	CTC 50-85, 5	0	0	4922	2275	425	90	39	-5.7%	Dom.
WF	CTC 45-75, 5	0	0	5134	2248	449	89	38	0%	10.4
WF	CTC 45-80, 5	0	0	5507	2382	457	93	40	0%	18.2
WF	CTC 45-85, 5	0	0	5754	2465	459	94	40	0%	45.7

Abbreviations: COL = colonoscopy; CRC = colorectal cancer; CTC = computed tomographic colonography; Dom. = dominated strategy; ER = efficiency ratio; FIT = fecal immunochemical test; FIT-DNA = multitarget stool DNA test; HSgFOBT = high-sensitivity guaiac-based fecal occult blood test; LYG = life-years gained; SIG = flexible sigmoidoscopy; WF = white female.

^a Both models evaluated two scenarios for CRC risk: one in which age-specific risks were assumed to have remained stable since the early screening period in the U.S. (1975-1979 for SimCRC; 1990-1994 for MISCAN), and one in which risks were assumed to have increased proportional to observed trends among adults under age 40 years. Strategies for each model and scenario are ordered successively by screening modality, interval (↓), end age (↑), and start age (↓).

^b Total number of colonoscopies performed per 1000 40-year-olds, including diagnostic colonoscopies and potential surveillance colonoscopies after adenoma removal. The number of screening-related complications ranged from 3.5 to 27.6 per 1000 40-year-olds across models, scenarios, and strategies.

^c Including deaths from complications of screening.

^d The difference in LYG compared to (combinations of) adjacent strategies on the efficient frontier. Near-efficient strategies have a loss in LYG of less than 2% before rounding. For the least intensive screening strategy evaluated within each class of screening modality, the difference was zero by definition.

^e Efficiency ratio = incremental number of colonoscopies/LYG with respect to the next less effective strategy on the efficient frontier, a burden-to-benefit ratio. Only calculated for efficient and near-efficient strategies (marked with an asterisk*), i.e. strategies within 2% from the efficient frontier among all evaluated strategies within a class of screening modalities (colonoscopy, stool-based, sigmoidoscopy, and CTC).

Supplementary Table 4. Lifetime Number of Colonoscopies and LYG for All Evaluated Screening Strategies under Two Scenarios for CRC Risk, by Model, in Black Females ^a

Sub-group	Modality, and age to begin-end screening, interval, y	Outcomes per 1000 40-year-olds							Relative distance from efficient frontier ^d	ER ^e
		Stool tests	SIGs	CTCs	COLs ^b	LYG	CRC cases averted	CRC deaths averted ^c		
MISCAN - Scenario 1: Stable CRC risk										
BF	No screening	0	0	0	60	0	0	0	-	-
BF	COL 55-75, 15	0	0	0	3037	227	34	20	0%	13.1
BF	COL 55-80, 15	0	0	0	3037	227	34	20	0%	13.1
BF	COL 55-85, 15	0	0	0	3322	228	34	21	-7.1%	Dom.
BF	COL 50-75, 15	0	0	0	3327	246	35	21	0%	15.0
BF	COL 50-80, 15	0	0	0	3746	251	36	22	-2.3%	Dom.
BF	COL 50-85, 15	0	0	0	3746	251	36	22	-2.3%	Dom.
BF	COL 45-75, 15	0	0	0	4101	266	37	22	-0.4%	Dom.
BF	COL 45-80, 15	0	0	0	4101	266	37	22	-0.4%	Dom.
BF	COL 45-85, 15	0	0	0	4101	266	37	22	-0.4%	Dom.
BF	COL 55-75, 10	0	0	0	3646	239	36	21	-6.2%	Dom.
BF	COL 55-80, 10	0	0	0	3646	239	36	21	-6.2%	Dom.
BF	COL 55-85, 10	0	0	0	3908	240	37	22	-8.4%	Dom.
BF	COL 50-75, 10	0	0	0	4060	266	38	22	0%	37.7
BF	COL 50-80, 10	0	0	0	4439	268	39	23	-2.2%	Dom.
BF	COL 50-85, 10	0	0	0	4439	268	39	23	-2.2%	Dom.
BF	COL 45-75, 10	0	0	0	4894	285	40	23	0%	43.4
BF	COL 45-80, 10	0	0	0	4894	285	40	23	0%	43.4
BF	COL 45-85, 10	0	0	0	5155	286	40	23	-0.6%	348.0*
BF	COL 55-75, 5	0	0	0	4864	251	39	22	-11.5%	Dom.
BF	COL 55-80, 5	0	0	0	5209	252	39	22	-12.3%	Dom.
BF	COL 55-85, 5	0	0	0	5454	253	39	23	-13.0%	Dom.
BF	COL 50-75, 5	0	0	0	5888	283	41	24	-3.9%	Dom.
BF	COL 50-80, 5	0	0	0	6234	284	42	24	-4.6%	Dom.
BF	COL 50-85, 5	0	0	0	6479	284	42	24	-5.3%	Dom.
BF	COL 45-75, 5	0	0	0	6930	304	43	24	0%	104.0
BF	COL 45-80, 5	0	0	0	7276	305	44	25	0%	370.5
BF	COL 45-85, 5	0	0	0	7520	306	44	25	0%	950.9
BF	FIT 55-75, 3	5191	0	0	825	161	15	14	0%	4.8
BF	FIT 55-80, 3	6137	0	0	906	172	16	16	-0.8%	7.1*
BF	FIT 55-85, 3	6798	0	0	955	176	16	16	-3.0%	Dom.
BF	FIT 50-75, 3	6726	0	0	991	187	17	15	0%	6.3
BF	FIT 50-80, 3	7618	0	0	1063	196	18	17	0.0%	7.8*
BF	FIT 50-85, 3	7959	0	0	1088	198	18	17	-0.6%	8.7*
BF	FIT 45-75, 3	8297	0	0	1136	205	19	16	-0.2%	7.9*
BF	FIT 45-80, 3	8752	0	0	1171	210	19	17	0%	7.8
BF	FIT 45-85, 3	9454	0	0	1222	214	19	18	-0.3%	11.9*

BF	FIT 55-75, 2	7554	0	0	1063	188	19	16	-4.2%	Dom.
BF	FIT 55-80, 2	8406	0	0	1124	194	20	18	-4.7%	Dom.
BF	FIT 55-85, 2	9351	0	0	1185	198	20	18	-6.2%	Dom.
BF	FIT 50-75, 2	9240	0	0	1237	213	22	18	-1.3%	Dom.
BF	FIT 50-80, 2	10503	0	0	1324	223	23	19	-0.7%	11.9*
BF	FIT 50-85, 2	11128	0	0	1364	225	23	19	-1.4%	12.7*
BF	FIT 45-75, 2	11477	0	0	1422	233	23	19	-0.3%	10.8*
BF	FIT 45-80, 2	12314	0	0	1480	239	24	19	0%	10.5
BF	FIT 45-85, 2	13246	0	0	1538	243	24	20	0%	16.7
BF	FIT 55-75, 1	12431	0	0	1469	217	26	19	-9.0%	Dom.
BF	FIT 55-80, 1	14150	0	0	1567	223	27	20	-8.5%	Dom.
BF	FIT 55-85, 1	15418	0	0	1633	226	28	20	-9.0%	Dom.
BF	FIT 50-75, 1	15658	0	0	1743	246	29	20	-3.1%	Dom.
BF	FIT 50-80, 1	17357	0	0	1837	252	30	21	-2.7%	Dom.
BF	FIT 50-85, 1	18615	0	0	1902	255	30	22	-3.1%	Dom.
BF	FIT 45-75, 1	19041	0	0	1988	267	30	21	-0.4%	18.8*
BF	FIT 45-80, 1	20731	0	0	2080	273	31	22	0%	18.0
BF	FIT 45-85, 1	21984	0	0	2144	275	32	22	0%	28.8
BF	FIT-DNA 55-75, 5	3535	0	0	1192	181	20	16	-14.6%	Dom.
BF	FIT-DNA 55-80, 5	3935	0	0	1261	186	20	17	-14.9%	Dom.
BF	FIT-DNA 55-85, 5	4214	0	0	1306	188	20	17	-15.8%	Dom.
BF	FIT-DNA 50-75, 5	4336	0	0	1397	205	22	17	-11.4%	Dom.
BF	FIT-DNA 50-80, 5	4731	0	0	1464	210	22	18	-11.7%	Dom.
BF	FIT-DNA 50-85, 5	5008	0	0	1508	212	22	19	-12.2%	Dom.
BF	FIT-DNA 45-75, 5	5168	0	0	1578	221	23	18	-9.8%	Dom.
BF	FIT-DNA 45-80, 5	5561	0	0	1644	226	24	19	-9.3%	Dom.
BF	FIT-DNA 45-85, 5	5836	0	0	1687	227	23	19	-9.5%	Dom.
BF	FIT-DNA 55-75, 3	4457	0	0	1412	200	24	17	-14.3%	Dom.
BF	FIT-DNA 55-80, 3	5203	0	0	1533	208	25	19	-14.0%	Dom.
BF	FIT-DNA 55-85, 3	5719	0	0	1609	211	25	19	-14.4%	Dom.
BF	FIT-DNA 50-75, 3	5716	0	0	1700	230	27	19	-8.7%	Dom.
BF	FIT-DNA 50-80, 3	6415	0	0	1810	237	28	20	-8.1%	Dom.
BF	FIT-DNA 50-85, 3	6681	0	0	1848	238	28	20	-8.3%	Dom.
BF	FIT-DNA 45-75, 3	7012	0	0	1960	250	28	20	-6.2%	Dom.
BF	FIT-DNA 45-80, 3	7369	0	0	2014	253	29	21	-5.9%	Dom.
BF	FIT-DNA 45-85, 3	7917	0	0	2093	256	29	21	-6.2%	Dom.
BF	FIT-DNA 55-75, 1	8771	0	0	2215	233	32	20	-15.4%	Dom.
BF	FIT-DNA 55-80, 1	9839	0	0	2352	237	33	21	-14.4%	Dom.
BF	FIT-DNA 55-85, 1	10642	0	0	2451	239	34	21	-14.3%	Dom.
BF	FIT-DNA 50-75, 1	10898	0	0	2632	263	35	22	-6.2%	Dom.
BF	FIT-DNA 50-80, 1	11980	0	0	2770	267	36	22	-5.3%	Dom.
BF	FIT-DNA 50-85, 1	12773	0	0	2866	269	36	23	-5.2%	Dom.
BF	FIT-DNA 45-75, 1	13174	0	0	3023	283	37	23	-0.8%	112.0*
BF	FIT-DNA 45-80, 1	14243	0	0	3158	287	38	23	0.0%	87.2*
BF	FIT-DNA 45-85, 1	15035	0	0	3254	288	38	23	0%	86.5
BF	HSgFOBT 55-75, 3	4861	0	0	1043	159	16	14	-17.9%	Dom.

BF	HSgFOBT 55-80, 3	5715	0	0	1150	169	16	16	-18.2%	Dom.
BF	HSgFOBT 55-85, 3	6309	0	0	1218	173	16	16	-19.3%	Dom.
BF	HSgFOBT 50-75, 3	6243	0	0	1283	186	18	16	-15.8%	Dom.
BF	HSgFOBT 50-80, 3	7042	0	0	1380	194	19	17	-15.4%	Dom.
BF	HSgFOBT 50-85, 3	7347	0	0	1414	196	19	17	-15.8%	Dom.
BF	HSgFOBT 45-75, 3	7649	0	0	1502	205	20	17	-15.0%	Dom.
BF	HSgFOBT 45-80, 3	8056	0	0	1550	209	20	17	-14.1%	Dom.
BF	HSgFOBT 45-85, 3	8681	0	0	1619	213	20	18	-13.9%	Dom.
BF	HSgFOBT 55-75, 2	6865	0	0	1363	187	20	17	-18.0%	Dom.
BF	HSgFOBT 55-80, 2	7600	0	0	1447	193	21	18	-18.2%	Dom.
BF	HSgFOBT 55-85, 2	8409	0	0	1531	197	21	18	-18.9%	Dom.
BF	HSgFOBT 50-75, 2	8325	0	0	1619	213	23	18	-13.7%	Dom.
BF	HSgFOBT 50-80, 2	9408	0	0	1738	222	24	19	-12.7%	Dom.
BF	HSgFOBT 50-85, 2	9941	0	0	1793	224	24	20	-12.9%	Dom.
BF	HSgFOBT 45-75, 2	10252	0	0	1899	234	25	19	-10.9%	Dom.
BF	HSgFOBT 45-80, 2	10967	0	0	1977	239	25	20	-10.4%	Dom.
BF	HSgFOBT 45-85, 2	11759	0	0	2058	242	25	20	-10.7%	Dom.
BF	HSgFOBT 55-75, 1	10314	0	0	1880	217	27	19	-17.3%	Dom.
BF	HSgFOBT 55-80, 1	11617	0	0	2009	222	28	20	-17.4%	Dom.
BF	HSgFOBT 55-85, 1	12578	0	0	2099	224	28	20	-18.1%	Dom.
BF	HSgFOBT 50-75, 1	12793	0	0	2259	246	30	21	-10.9%	Dom.
BF	HSgFOBT 50-80, 1	14086	0	0	2385	251	31	21	-9.5%	Dom.
BF	HSgFOBT 50-85, 1	15037	0	0	2473	253	31	22	-9.2%	Dom.
BF	HSgFOBT 45-75, 1	15400	0	0	2611	266	32	21	-5.0%	Dom.
BF	HSgFOBT 45-80, 1	16681	0	0	2735	271	33	22	-3.8%	Dom.
BF	HSgFOBT 45-85, 1	17627	0	0	2822	273	33	22	-3.5%	Dom.
BF	SIG 55-75, 10	0	2181	0	1527	176	27	16	0%	8.3
BF	SIG 55-80, 10	0	2181	0	1527	176	27	16	0%	8.3
BF	SIG 55-85, 10	0	2471	0	1593	177	27	17	-3.9%	Dom.
BF	SIG 50-75, 10	0	2377	0	1669	194	28	17	0%	8.0
BF	SIG 50-80, 10	0	2786	0	1772	198	29	17	-1.2%	26.0*
BF	SIG 50-85, 10	0	2786	0	1772	198	29	17	-1.2%	26.0*
BF	SIG 45-75, 10	0	3060	0	1905	208	30	18	-0.4%	17.3*
BF	SIG 45-80, 10	0	3060	0	1905	208	30	18	-0.4%	17.3*
BF	SIG 45-85, 10	0	3348	0	1969	209	30	18	-1.7%	20.3*
BF	SIG 55-75, 5	0	3162	0	1801	195	30	18	-3.7%	Dom.
BF	SIG 55-80, 5	0	3504	0	1869	196	30	18	-4.8%	Dom.
BF	SIG 55-85, 5	0	3745	0	1914	197	30	18	-5.8%	Dom.
BF	SIG 50-75, 5	0	3884	0	2085	219	32	19	-0.4%	17.0*
BF	SIG 50-80, 5	0	4223	0	2152	220	32	19	-1.5%	18.4*
BF	SIG 50-85, 5	0	4463	0	2197	221	32	19	-2.4%	Dom.
BF	SIG 45-75, 5	0	4650	0	2333	235	33	20	0%	16.4
BF	SIG 45-80, 5	0	4988	0	2399	236	34	20	0%	40.0
BF	SIG 45-85, 5	0	5226	0	2443	237	34	20	0%	87.2
BF	CTC 55-75, 10	0	0	2259	1218	183	24	17	0%	6.3
BF	CTC 55-80, 10	0	0	2259	1218	183	24	17	0%	6.3

BF	CTC 55-85, 10	0	0	2570	1288	186	24	17	-5.3%	Dom.
BF	CTC 50-75, 10	0	0	2460	1301	199	24	17	0%	5.4
BF	CTC 50-80, 10	0	0	2900	1407	208	26	18	-0.6%	11.5*
BF	CTC 50-85, 10	0	0	2900	1407	208	26	18	-0.6%	11.5*
BF	CTC 45-75, 10	0	0	3179	1490	215	26	18	-1.1%	11.5*
BF	CTC 45-80, 10	0	0	3179	1490	215	26	18	-1.1%	11.5*
BF	CTC 45-85, 10	0	0	3488	1559	218	27	19	-2.8%	Dom.
BF	CTC 55-75, 5	0	0	3347	1512	216	29	19	-1.7%	12.3*
BF	CTC 55-80, 5	0	0	3717	1584	220	30	20	-3.0%	Dom.
BF	CTC 55-85, 5	0	0	3977	1631	221	31	20	-4.4%	Dom.
BF	CTC 50-75, 5	0	0	4122	1739	242	31	20	0%	10.1
BF	CTC 50-80, 5	0	0	4490	1810	246	32	21	-0.9%	17.5*
BF	CTC 50-85, 5	0	0	4748	1856	248	33	21	-2.0%	22.4*
BF	CTC 45-75, 5	0	0	4935	1937	260	33	21	0%	11.4
BF	CTC 45-80, 5	0	0	5301	2007	264	34	22	0%	17.6
BF	CTC 45-85, 5	0	0	5559	2053	265	34	22	0%	39.7

MISCAN - Scenario 2: Increased CRC risk

BF	No screening	0	0	0	77	0	0	0	-	-
BF	COL 55-75, 15	0	0	0	3375	292	44	26	0%	11.3
BF	COL 55-80, 15	0	0	0	3375	292	44	26	0%	11.3
BF	COL 55-85, 15	0	0	0	3614	294	45	27	-5.0%	Dom.
BF	COL 50-75, 15	0	0	0	3723	317	46	27	0%	13.8
BF	COL 50-80, 15	0	0	0	4085	324	47	28	-1.9%	56.4*
BF	COL 50-85, 15	0	0	0	4085	324	47	28	-1.9%	56.4*
BF	COL 45-75, 15	0	0	0	4485	342	48	29	-0.5%	136.4*
BF	COL 45-80, 15	0	0	0	4485	342	48	29	-0.5%	136.4*
BF	COL 45-85, 15	0	0	0	4485	342	48	29	-0.5%	136.4*
BF	COL 55-75, 10	0	0	0	3925	307	47	28	-5.4%	Dom.
BF	COL 55-80, 10	0	0	0	3925	307	47	28	-5.4%	Dom.
BF	COL 55-85, 10	0	0	0	4136	308	47	28	-7.2%	Dom.
BF	COL 50-75, 10	0	0	0	4405	342	50	29	0%	28.2
BF	COL 50-80, 10	0	0	0	4721	345	50	30	-1.7%	89.4*
BF	COL 50-85, 10	0	0	0	4721	345	50	30	-1.7%	89.4*
BF	COL 45-75, 10	0	0	0	5231	366	52	30	0%	33.2
BF	COL 45-80, 10	0	0	0	5231	366	52	30	0%	33.2
BF	COL 45-85, 10	0	0	0	5442	367	52	30	-0.5%	233.4*
BF	COL 55-75, 5	0	0	0	4982	323	50	29	-10.1%	Dom.
BF	COL 55-80, 5	0	0	0	5258	324	50	29	-11.7%	Dom.
BF	COL 55-85, 5	0	0	0	5450	324	50	29	-12.3%	Dom.
BF	COL 50-75, 5	0	0	0	6008	363	54	31	-3.6%	Dom.
BF	COL 50-80, 5	0	0	0	6284	365	54	31	-4.2%	Dom.
BF	COL 50-85, 5	0	0	0	6476	365	54	31	-4.8%	Dom.
BF	COL 45-75, 5	0	0	0	7050	391	56	32	0%	74.1
BF	COL 45-80, 5	0	0	0	7326	392	56	32	0%	249.5
BF	COL 45-85, 5	0	0	0	7518	392	56	32	0%	550.7
BF	FIT 55-75, 3	5082	0	0	1000	205	20	18	0%	4.5

BF	FIT 55-80, 3	5965	0	0	1091	219	21	20	-0.4%	6.4*
BF	FIT 55-85, 3	6569	0	0	1145	224	21	21	-2.2%	Dom.
BF	FIT 50-75, 3	6577	0	0	1195	238	22	20	0%	6.0
BF	FIT 50-80, 3	7403	0	0	1276	250	23	22	0%	6.8
BF	FIT 50-85, 3	7714	0	0	1303	252	23	22	-0.5%	10.9*
BF	FIT 45-75, 3	8114	0	0	1363	261	24	21	-0.3%	7.4*
BF	FIT 45-80, 3	8535	0	0	1402	267	25	22	0%	7.0
BF	FIT 45-85, 3	9175	0	0	1458	273	25	23	-0.2%	10.1*
BF	FIT 55-75, 2	7324	0	0	1276	240	25	21	-3.8%	Dom.
BF	FIT 55-80, 2	8104	0	0	1343	248	26	23	-4.1%	Dom.
BF	FIT 55-85, 2	8952	0	0	1406	253	26	24	-5.5%	Dom.
BF	FIT 50-75, 2	8974	0	0	1480	272	28	23	-1.5%	Dom.
BF	FIT 50-80, 2	10125	0	0	1574	284	29	24	-0.7%	10.3*
BF	FIT 50-85, 2	10684	0	0	1615	287	29	25	-1.2%	10.9*
BF	FIT 45-75, 2	11148	0	0	1691	297	30	24	-0.4%	9.6*
BF	FIT 45-80, 2	11909	0	0	1752	305	31	25	0%	9.3
BF	FIT 45-85, 2	12741	0	0	1812	310	31	26	0%	13.6
BF	FIT 55-75, 1	11915	0	0	1732	278	34	24	-8.3%	Dom.
BF	FIT 55-80, 1	13448	0	0	1831	287	35	26	-7.8%	Dom.
BF	FIT 55-85, 1	14552	0	0	1895	289	36	26	-8.1%	Dom.
BF	FIT 50-75, 1	15021	0	0	2044	316	37	26	-2.7%	Dom.
BF	FIT 50-80, 1	16529	0	0	2138	324	39	28	-2.0%	Dom.
BF	FIT 50-85, 1	17621	0	0	2201	327	39	28	-2.4%	Dom.
BF	FIT 45-75, 1	18305	0	0	2319	341	39	27	-0.5%	16.1*
BF	FIT 45-80, 1	19800	0	0	2411	349	41	28	0%	15.2
BF	FIT 45-85, 1	20885	0	0	2472	352	41	29	0%	22.5
BF	FIT-DNA 55-75, 5	3435	0	0	1411	231	26	21	-14.0%	Dom.
BF	FIT-DNA 55-80, 5	3798	0	0	1484	238	26	22	-14.0%	Dom.
BF	FIT-DNA 55-85, 5	4046	0	0	1530	240	26	23	-14.7%	Dom.
BF	FIT-DNA 50-75, 5	4211	0	0	1648	261	28	22	-11.1%	Dom.
BF	FIT-DNA 50-80, 5	4569	0	0	1718	268	29	23	-11.2%	Dom.
BF	FIT-DNA 50-85, 5	4814	0	0	1762	270	29	24	-11.8%	Dom.
BF	FIT-DNA 45-75, 5	5024	0	0	1853	282	30	23	-9.8%	Dom.
BF	FIT-DNA 45-80, 5	5379	0	0	1921	288	31	24	-9.1%	Dom.
BF	FIT-DNA 45-85, 5	5623	0	0	1964	290	31	25	-9.3%	Dom.
BF	FIT-DNA 55-75, 3	4321	0	0	1663	256	31	23	-13.4%	Dom.
BF	FIT-DNA 55-80, 3	4994	0	0	1787	267	33	24	-13.2%	Dom.
BF	FIT-DNA 55-85, 3	5447	0	0	1861	270	33	25	-13.6%	Dom.
BF	FIT-DNA 50-75, 3	5529	0	0	1989	294	34	25	-8.5%	Dom.
BF	FIT-DNA 50-80, 3	6153	0	0	2099	303	36	26	-7.8%	Dom.
BF	FIT-DNA 50-85, 3	6386	0	0	2136	304	36	26	-8.0%	Dom.
BF	FIT-DNA 45-75, 3	6780	0	0	2278	319	37	26	-6.2%	Dom.
BF	FIT-DNA 45-80, 3	7098	0	0	2333	324	37	27	-5.7%	Dom.
BF	FIT-DNA 45-85, 3	7578	0	0	2409	328	38	27	-6.0%	Dom.
BF	FIT-DNA 55-75, 1	8299	0	0	2522	300	42	27	-14.9%	Dom.
BF	FIT-DNA 55-80, 1	9215	0	0	2649	305	43	27	-14.0%	Dom.

BF	FIT-DNA 55-85, 1	9886	0	0	2736	306	44	28	-13.9%	Dom.
BF	FIT-DNA 50-75, 1	10319	0	0	2980	338	46	28	-6.0%	Dom.
BF	FIT-DNA 50-80, 1	11242	0	0	3105	343	47	29	-5.2%	Dom.
BF	FIT-DNA 50-85, 1	11903	0	0	3190	344	47	29	-5.1%	Dom.
BF	FIT-DNA 45-75, 1	12503	0	0	3403	363	48	29	-0.8%	81.6*
BF	FIT-DNA 45-80, 1	13413	0	0	3526	368	49	30	0.0%	65.0*
BF	FIT-DNA 45-85, 1	14072	0	0	3610	369	49	30	0%	64.4
BF	HSgFOBT 55-75, 3	4771	0	0	1222	203	20	18	-16.2%	Dom.
BF	HSgFOBT 55-80, 3	5566	0	0	1336	216	21	20	-16.3%	Dom.
BF	HSgFOBT 55-85, 3	6105	0	0	1405	220	21	21	-17.7%	Dom.
BF	HSgFOBT 50-75, 3	6111	0	0	1497	237	24	20	-14.8%	Dom.
BF	HSgFOBT 50-80, 3	6848	0	0	1598	248	25	22	-14.2%	Dom.
BF	HSgFOBT 50-85, 3	7123	0	0	1633	250	24	22	-14.5%	Dom.
BF	HSgFOBT 45-75, 3	7479	0	0	1745	261	26	21	-14.1%	Dom.
BF	HSgFOBT 45-80, 3	7853	0	0	1794	267	26	22	-13.4%	Dom.
BF	HSgFOBT 45-85, 3	8418	0	0	1864	272	26	23	-13.1%	Dom.
BF	HSgFOBT 55-75, 2	6672	0	0	1580	239	26	21	-16.6%	Dom.
BF	HSgFOBT 55-80, 2	7340	0	0	1665	247	27	23	-16.6%	Dom.
BF	HSgFOBT 55-85, 2	8058	0	0	1748	251	27	24	-17.7%	Dom.
BF	HSgFOBT 50-75, 2	8090	0	0	1873	272	30	23	-13.1%	Dom.
BF	HSgFOBT 50-80, 2	9067	0	0	1993	283	31	25	-11.9%	Dom.
BF	HSgFOBT 50-85, 2	9537	0	0	2046	286	31	25	-12.1%	Dom.
BF	HSgFOBT 45-75, 2	9948	0	0	2185	300	32	24	-10.3%	Dom.
BF	HSgFOBT 45-80, 2	10591	0	0	2263	306	33	25	-9.7%	Dom.
BF	HSgFOBT 45-85, 2	11287	0	0	2340	310	33	26	-9.9%	Dom.
BF	HSgFOBT 55-75, 1	9915	0	0	2149	278	35	25	-16.2%	Dom.
BF	HSgFOBT 55-80, 1	11058	0	0	2273	285	37	26	-16.1%	Dom.
BF	HSgFOBT 55-85, 1	11879	0	0	2354	287	37	26	-16.8%	Dom.
BF	HSgFOBT 50-75, 1	12277	0	0	2571	316	39	27	-10.6%	Dom.
BF	HSgFOBT 50-80, 1	13403	0	0	2689	323	40	28	-9.1%	Dom.
BF	HSgFOBT 50-85, 1	14211	0	0	2769	325	41	28	-8.9%	Dom.
BF	HSgFOBT 45-75, 1	14780	0	0	2957	342	41	28	-4.8%	Dom.
BF	HSgFOBT 45-80, 1	15894	0	0	3073	348	42	29	-3.6%	Dom.
BF	HSgFOBT 45-85, 1	16695	0	0	3151	350	43	29	-3.3%	Dom.
BF	SIG 55-75, 10	0	1998	0	2222	267	41	24	0%	8.0
BF	SIG 55-80, 10	0	1998	0	2222	267	41	24	0%	8.0
BF	SIG 55-85, 10	0	2223	0	2287	268	41	25	-2.6%	Dom.
BF	SIG 50-75, 10	0	2202	0	2441	294	42	25	0%	7.9
BF	SIG 50-80, 10	0	2527	0	2549	299	43	26	-0.8%	22.4*
BF	SIG 50-85, 10	0	2527	0	2549	299	43	26	-0.8%	22.4*
BF	SIG 45-75, 10	0	2812	0	2743	314	45	26	0%	15.1
BF	SIG 45-80, 10	0	2812	0	2743	314	45	26	0%	15.1
BF	SIG 45-85, 10	0	3035	0	2806	315	45	27	-0.8%	49.3*
BF	SIG 55-75, 5	0	2784	0	2483	285	44	26	-4.1%	Dom.
BF	SIG 55-80, 5	0	3047	0	2547	287	44	26	-4.9%	Dom.
BF	SIG 55-85, 5	0	3230	0	2588	287	44	26	-5.5%	Dom.

BF	SIG 50-75, 5	0	3429	0	2850	319	47	27	-0.6%	22.6*
BF	SIG 50-80, 5	0	3690	0	2913	321	47	28	-1.2%	25.6*
BF	SIG 50-85, 5	0	3872	0	2953	321	47	28	-1.8%	29.2*
BF	SIG 45-75, 5	0	4134	0	3161	340	48	28	0%	16.0
BF	SIG 45-80, 5	0	4394	0	3224	342	49	29	0%	33.8
BF	SIG 45-85, 5	0	4576	0	3263	343	49	29	0%	73.3
BF	CTC 55-75, 10	0	0	2190	1473	235	31	21	0%	5.9
BF	CTC 55-80, 10	0	0	2190	1473	235	31	21	0%	5.9
BF	CTC 55-85, 10	0	0	2467	1547	239	32	22	-4.1%	Dom.
BF	CTC 50-75, 10	0	0	2400	1574	254	31	21	0%	5.5
BF	CTC 50-80, 10	0	0	2800	1689	266	33	23	-0.5%	9.5*
BF	CTC 50-85, 10	0	0	2800	1689	266	33	23	-0.5%	9.5*
BF	CTC 45-75, 10	0	0	3090	1786	274	34	23	-1.4%	10.3*
BF	CTC 45-80, 10	0	0	3090	1786	274	34	23	-1.4%	10.3*
BF	CTC 45-85, 10	0	0	3365	1858	278	34	24	-3.0%	Dom.
BF	CTC 55-75, 5	0	0	3207	1802	277	38	25	-1.2%	9.9*
BF	CTC 55-80, 5	0	0	3536	1875	282	39	26	-2.2%	Dom.
BF	CTC 55-85, 5	0	0	3762	1921	284	40	26	-3.5%	Dom.
BF	CTC 50-75, 5	0	0	3955	2062	310	41	26	0%	8.6
BF	CTC 50-80, 5	0	0	4281	2133	316	42	27	-0.6%	13.6*
BF	CTC 50-85, 5	0	0	4505	2178	317	43	27	-1.5%	17.4*
BF	CTC 45-75, 5	0	0	4748	2284	333	42	27	0%	10.0
BF	CTC 45-80, 5	0	0	5072	2354	338	44	28	0%	13.6
BF	CTC 45-85, 5	0	0	5295	2399	339	44	28	0%	30.6

SimCRC - Scenario 1: Stable CRC risk

BF	No screening	0	0	0	64	0	0	0	-	-
BF	COL 55-75, 15	0	0	0	2815	250	46	23	0%	11.0
BF	COL 55-80, 15	0	0	0	2815	250	46	23	0%	11.0
BF	COL 55-85, 15	0	0	0	3141	251	47	23	-12.9%	Dom.
BF	COL 50-75, 15	0	0	0	3017	283	48	24	0%	6.0
BF	COL 50-80, 15	0	0	0	3512	289	51	25	-4.7%	Dom.
BF	COL 50-85, 15	0	0	0	3512	289	51	25	-4.7%	Dom.
BF	COL 45-75, 15	0	0	0	3845	317	53	26	0%	24.4
BF	COL 45-80, 15	0	0	0	3845	317	53	26	0%	24.4
BF	COL 45-85, 15	0	0	0	3845	317	53	26	0%	24.4
BF	COL 55-75, 10	0	0	0	3503	262	49	24	-13.7%	Dom.
BF	COL 55-80, 10	0	0	0	3503	262	49	24	-13.7%	Dom.
BF	COL 55-85, 10	0	0	0	3789	262	50	24	-16.6%	Dom.
BF	COL 50-75, 10	0	0	0	3849	300	52	26	-5.3%	Dom.
BF	COL 50-80, 10	0	0	0	4280	303	54	26	-6.9%	Dom.
BF	COL 50-85, 10	0	0	0	4280	303	54	26	-6.9%	Dom.
BF	COL 45-75, 10	0	0	0	4701	334	56	27	0%	50.4
BF	COL 45-80, 10	0	0	0	4701	334	56	27	0%	50.4
BF	COL 45-85, 10	0	0	0	4987	335	57	28	-0.3%	380.6*
BF	COL 55-75, 5	0	0	0	4855	270	51	25	-19.2%	Dom.
BF	COL 55-80, 5	0	0	0	5224	271	52	25	-19.5%	Dom.

BF	COL 55-85, 5	0	0	0	5470	271	52	25	-19.8%	Dom.
BF	COL 50-75, 5	0	0	0	5888	313	56	27	-8.0%	Dom.
BF	COL 50-80, 5	0	0	0	6257	314	56	27	-8.3%	Dom.
BF	COL 50-85, 5	0	0	0	6503	314	56	27	-8.6%	Dom.
BF	COL 45-75, 5	0	0	0	6939	347	59	28	0%	179.2
BF	COL 45-80, 5	0	0	0	7307	347	59	28	0%	433.8
BF	COL 45-85, 5	0	0	0	7554	348	59	28	0%	1225.4
BF	FIT 55-75, 3	5347	0	0	703	175	23	15	0%	3.7
BF	FIT 55-80, 3	6340	0	0	793	187	25	17	-5.3%	Dom.
BF	FIT 55-85, 3	6964	0	0	849	191	25	18	-9.7%	Dom.
BF	FIT 50-75, 3	6947	0	0	852	212	27	18	0%	4.0
BF	FIT 50-80, 3	7794	0	0	929	221	28	19	-3.7%	Dom.
BF	FIT 50-85, 3	8243	0	0	966	223	29	20	-6.1%	Dom.
BF	FIT 45-75, 3	8461	0	0	978	241	30	19	0%	4.4
BF	FIT 45-80, 3	9066	0	0	1029	247	31	20	0.0%	8.2*
BF	FIT 45-85, 3	9784	0	0	1091	251	31	21	-1.3%	10.5*
BF	FIT 55-75, 2	7713	0	0	927	206	29	18	-10.0%	Dom.
BF	FIT 55-80, 2	8598	0	0	999	213	30	20	-12.5%	Dom.
BF	FIT 55-85, 2	9570	0	0	1074	217	31	20	-14.2%	Dom.
BF	FIT 50-75, 2	9438	0	0	1075	241	33	20	-4.7%	Dom.
BF	FIT 50-80, 2	10754	0	0	1179	251	35	22	-5.7%	Dom.
BF	FIT 50-85, 2	11398	0	0	1229	253	35	22	-6.9%	Dom.
BF	FIT 45-75, 2	11722	0	0	1249	274	36	22	0%	8.1
BF	FIT 45-80, 2	12597	0	0	1318	280	37	23	0%	11.1
BF	FIT 45-85, 2	13561	0	0	1392	284	38	24	-0.3%	19.7*
BF	FIT 55-75, 1	12744	0	0	1324	237	37	21	-15.5%	Dom.
BF	FIT 55-80, 1	14522	0	0	1442	243	39	22	-15.6%	Dom.
BF	FIT 55-85, 1	15812	0	0	1524	246	40	23	-16.3%	Dom.
BF	FIT 50-75, 1	16076	0	0	1569	278	42	23	-6.2%	Dom.
BF	FIT 50-80, 1	17843	0	0	1685	284	44	24	-6.6%	Dom.
BF	FIT 50-85, 1	19127	0	0	1766	286	44	25	-7.4%	Dom.
BF	FIT 45-75, 1	19536	0	0	1797	311	45	25	0%	15.7
BF	FIT 45-80, 1	21297	0	0	1912	317	47	26	0%	20.2
BF	FIT 45-85, 1	22578	0	0	1992	319	47	26	0%	40.3
BF	FIT-DNA 55-75, 5	3613	0	0	1047	193	29	18	-22.6%	Dom.
BF	FIT-DNA 55-80, 5	4031	0	0	1128	198	30	19	-23.6%	Dom.
BF	FIT-DNA 55-85, 5	4321	0	0	1183	200	30	19	-24.9%	Dom.
BF	FIT-DNA 50-75, 5	4438	0	0	1227	228	33	19	-16.2%	Dom.
BF	FIT-DNA 50-80, 5	4853	0	0	1307	233	34	20	-16.7%	Dom.
BF	FIT-DNA 50-85, 5	5141	0	0	1361	234	34	21	-17.2%	Dom.
BF	FIT-DNA 45-75, 5	5288	0	0	1392	255	36	21	-10.5%	Dom.
BF	FIT-DNA 45-80, 5	5702	0	0	1471	260	37	22	-10.4%	Dom.
BF	FIT-DNA 45-85, 5	5989	0	0	1525	262	37	22	-10.8%	Dom.
BF	FIT-DNA 55-75, 3	4730	0	0	1274	220	34	20	-20.5%	Dom.
BF	FIT-DNA 55-80, 3	5518	0	0	1416	228	36	21	-20.5%	Dom.
BF	FIT-DNA 55-85, 3	5947	0	0	1490	230	37	22	-21.0%	Dom.

BF	FIT-DNA 50-75, 3	6077	0	0	1544	261	39	22	-11.4%	Dom.
BF	FIT-DNA 50-80, 3	6665	0	0	1649	267	41	23	-11.4%	Dom.
BF	FIT-DNA 50-85, 3	7124	0	0	1725	269	41	24	-12.1%	Dom.
BF	FIT-DNA 45-75, 3	7257	0	0	1759	292	42	23	-5.5%	Dom.
BF	FIT-DNA 45-80, 3	7883	0	0	1866	297	44	24	-5.4%	Dom.
BF	FIT-DNA 45-85, 3	8399	0	0	1954	300	44	25	-5.5%	Dom.
BF	FIT-DNA 55-75, 1	9062	0	0	2042	253	44	23	-20.8%	Dom.
BF	FIT-DNA 55-80, 1	10183	0	0	2206	257	45	24	-20.1%	Dom.
BF	FIT-DNA 55-85, 1	11008	0	0	2322	258	46	24	-20.1%	Dom.
BF	FIT-DNA 50-75, 1	11299	0	0	2422	294	48	25	-9.3%	Dom.
BF	FIT-DNA 50-80, 1	12442	0	0	2588	298	50	26	-8.7%	Dom.
BF	FIT-DNA 50-85, 1	13259	0	0	2703	299	50	26	-8.7%	Dom.
BF	FIT-DNA 45-75, 1	13664	0	0	2789	327	52	26	-0.5%	99.5*
BF	FIT-DNA 45-80, 1	14795	0	0	2953	330	53	27	0%	82.9
BF	FIT-DNA 45-85, 1	15610	0	0	3067	331	53	27	0%	94.9
BF	HSgFOBT 55-75, 3	5049	0	0	949	176	24	16	-24.8%	Dom.
BF	HSgFOBT 55-80, 3	5945	0	0	1068	187	26	17	-25.9%	Dom.
BF	HSgFOBT 55-85, 3	6462	0	0	1134	190	27	18	-27.0%	Dom.
BF	HSgFOBT 50-75, 3	6511	0	0	1167	214	29	18	-18.8%	Dom.
BF	HSgFOBT 50-80, 3	7211	0	0	1260	222	30	19	-19.3%	Dom.
BF	HSgFOBT 50-85, 3	7687	0	0	1318	225	31	20	-19.9%	Dom.
BF	HSgFOBT 45-75, 3	7815	0	0	1349	243	32	19	-13.9%	Dom.
BF	HSgFOBT 45-80, 3	8458	0	0	1428	249	33	20	-13.3%	Dom.
BF	HSgFOBT 45-85, 3	9073	0	0	1506	253	33	21	-13.4%	Dom.
BF	HSgFOBT 55-75, 2	6975	0	0	1240	207	31	19	-24.3%	Dom.
BF	HSgFOBT 55-80, 2	7741	0	0	1335	213	32	20	-24.4%	Dom.
BF	HSgFOBT 55-85, 2	8578	0	0	1433	216	32	21	-24.8%	Dom.
BF	HSgFOBT 50-75, 2	8481	0	0	1459	243	35	20	-16.0%	Dom.
BF	HSgFOBT 50-80, 2	9617	0	0	1597	252	37	22	-15.6%	Dom.
BF	HSgFOBT 50-85, 2	10171	0	0	1661	254	37	22	-16.1%	Dom.
BF	HSgFOBT 45-75, 2	10472	0	0	1717	277	38	22	-9.5%	Dom.
BF	HSgFOBT 45-80, 2	11226	0	0	1808	282	40	23	-9.4%	Dom.
BF	HSgFOBT 45-85, 2	12052	0	0	1904	285	40	24	-9.7%	Dom.
BF	HSgFOBT 55-75, 1	10533	0	0	1728	238	39	22	-22.5%	Dom.
BF	HSgFOBT 55-80, 1	11905	0	0	1879	243	40	23	-22.9%	Dom.
BF	HSgFOBT 55-85, 1	12901	0	0	1985	245	41	23	-23.1%	Dom.
BF	HSgFOBT 50-75, 1	13136	0	0	2068	279	44	24	-12.7%	Dom.
BF	HSgFOBT 50-80, 1	14507	0	0	2217	284	45	25	-11.6%	Dom.
BF	HSgFOBT 50-85, 1	15498	0	0	2321	286	45	25	-11.4%	Dom.
BF	HSgFOBT 45-75, 1	15850	0	0	2391	312	47	25	-3.6%	Dom.
BF	HSgFOBT 45-80, 1	17214	0	0	2539	317	48	26	-2.6%	Dom.
BF	HSgFOBT 45-85, 1	18201	0	0	2642	318	49	26	-2.4%	Dom.
BF	SIG 55-75, 10	0	2303	0	1122	177	33	17	0%	6.0
BF	SIG 55-80, 10	0	2303	0	1122	177	33	17	0%	6.0
BF	SIG 55-85, 10	0	2623	0	1210	178	33	17	-12.7%	Dom.
BF	SIG 50-75, 10	0	2500	0	1193	202	35	17	0%	2.8

BF	SIG 50-80, 10	0	2957	0	1326	207	37	18	-5.3%	Dom.
BF	SIG 50-85, 10	0	2957	0	1326	207	37	18	-5.3%	Dom.
BF	SIG 45-75, 10	0	3231	0	1412	230	38	19	0%	7.9
BF	SIG 45-80, 10	0	3231	0	1412	230	38	19	0%	7.9
BF	SIG 45-85, 10	0	3548	0	1499	231	39	20	-1.9%	53.4*
BF	SIG 55-75, 5	0	3401	0	1417	198	37	19	-14.1%	Dom.
BF	SIG 55-80, 5	0	3778	0	1507	200	38	19	-15.4%	Dom.
BF	SIG 55-85, 5	0	4038	0	1566	201	39	19	-16.5%	Dom.
BF	SIG 50-75, 5	0	4182	0	1643	232	41	20	-5.5%	Dom.
BF	SIG 50-80, 5	0	4557	0	1732	235	42	21	-6.9%	Dom.
BF	SIG 50-85, 5	0	4815	0	1790	236	42	21	-8.1%	Dom.
BF	SIG 45-75, 5	0	4992	0	1852	261	44	22	0%	14.2
BF	SIG 45-80, 5	0	5365	0	1940	263	45	22	0%	37.9
BF	SIG 45-85, 5	0	5623	0	1998	264	45	22	0%	86.5
BF	CTC 55-75, 10	0	0	2283	1220	225	40	21	0%	5.1
BF	CTC 55-80, 10	0	0	2283	1220	225	40	21	0%	5.1
BF	CTC 55-85, 10	0	0	2592	1319	227	41	21	-12.9%	Dom.
BF	CTC 50-75, 10	0	0	2485	1278	255	42	22	0%	2.0
BF	CTC 50-80, 10	0	0	2930	1424	262	45	23	-5.5%	Dom.
BF	CTC 50-85, 10	0	0	2930	1424	262	45	23	-5.5%	Dom.
BF	CTC 45-75, 10	0	0	3211	1499	288	46	24	0%	6.7
BF	CTC 45-80, 10	0	0	3211	1499	288	46	24	0%	6.7
BF	CTC 45-85, 10	0	0	3518	1597	290	47	24	-1.6%	48.0*
BF	CTC 55-75, 5	0	0	3370	1504	246	45	23	-14.8%	Dom.
BF	CTC 55-80, 5	0	0	3738	1597	248	46	23	-15.7%	Dom.
BF	CTC 55-85, 5	0	0	3989	1658	249	46	23	-16.7%	Dom.
BF	CTC 50-75, 5	0	0	4159	1721	286	49	25	-5.7%	Dom.
BF	CTC 50-80, 5	0	0	4525	1813	289	50	25	-6.8%	Dom.
BF	CTC 50-85, 5	0	0	4776	1874	290	50	25	-7.8%	Dom.
BF	CTC 45-75, 5	0	0	4980	1916	317	52	26	0%	14.3
BF	CTC 45-80, 5	0	0	5345	2007	320	53	26	0%	35.4
BF	CTC 45-85, 5	0	0	5596	2068	320	53	27	0%	83.4

SimCRC - Scenario 2: Increased CRC risk

BF	No screening	0	0	0	80	0	0	0	-	-
BF	COL 55-75, 15	0	0	0	2733	306	54	28	0%	8.7
BF	COL 55-80, 15	0	0	0	2733	306	54	28	0%	8.7
BF	COL 55-85, 15	0	0	0	3067	308	55	28	-12.9%	Dom.
BF	COL 50-75, 15	0	0	0	2923	346	56	28	0%	4.7
BF	COL 50-80, 15	0	0	0	3429	356	60	30	-4.7%	Dom.
BF	COL 50-85, 15	0	0	0	3429	356	60	30	-4.7%	Dom.
BF	COL 45-75, 15	0	0	0	3755	391	63	32	0%	18.7
BF	COL 45-80, 15	0	0	0	3755	391	63	32	0%	18.7
BF	COL 45-85, 15	0	0	0	3755	391	63	32	0%	18.7
BF	COL 55-75, 10	0	0	0	3434	325	59	30	-13.2%	Dom.
BF	COL 55-80, 10	0	0	0	3434	325	59	30	-13.2%	Dom.
BF	COL 55-85, 10	0	0	0	3727	326	60	30	-16.3%	Dom.

BF	COL 50-75, 10	0	0	0	3768	372	62	31	-4.9%	Dom.
BF	COL 50-80, 10	0	0	0	4212	377	65	32	-6.7%	Dom.
BF	COL 50-85, 10	0	0	0	4212	377	65	32	-6.7%	Dom.
BF	COL 45-75, 10	0	0	0	4623	416	67	33	0%	34.8
BF	COL 45-80, 10	0	0	0	4623	416	67	33	0%	34.8
BF	COL 45-85, 10	0	0	0	4917	417	68	34	-0.3%	223.5*
BF	COL 55-75, 5	0	0	0	4821	338	62	31	-19.1%	Dom.
BF	COL 55-80, 5	0	0	0	5202	339	63	31	-19.4%	Dom.
BF	COL 55-85, 5	0	0	0	5456	340	63	31	-19.7%	Dom.
BF	COL 50-75, 5	0	0	0	5859	392	68	33	-8.0%	Dom.
BF	COL 50-80, 5	0	0	0	6239	394	69	34	-8.3%	Dom.
BF	COL 50-85, 5	0	0	0	6493	394	69	34	-8.6%	Dom.
BF	COL 45-75, 5	0	0	0	6913	435	71	35	0%	121.6
BF	COL 45-80, 5	0	0	0	7293	436	72	35	0%	241.7
BF	COL 45-85, 5	0	0	0	7547	437	73	35	0%	687.9
BF	FIT 55-75, 3	5338	0	0	684	211	26	18	0%	2.9
BF	FIT 55-80, 3	6332	0	0	771	227	28	20	-5.4%	Dom.
BF	FIT 55-85, 3	6954	0	0	825	231	28	21	-9.9%	Dom.
BF	FIT 50-75, 3	6946	0	0	827	258	31	21	0%	3.1
BF	FIT 50-80, 3	7791	0	0	901	270	32	23	-3.6%	Dom.
BF	FIT 50-85, 3	8242	0	0	939	273	33	23	-6.1%	Dom.
BF	FIT 45-75, 3	8465	0	0	949	294	34	23	0%	3.4
BF	FIT 45-80, 3	9073	0	0	998	302	35	24	0%	6.0
BF	FIT 45-85, 3	9792	0	0	1059	308	36	25	-1.3%	10.2*
BF	FIT 55-75, 2	7711	0	0	896	251	33	22	-9.9%	Dom.
BF	FIT 55-80, 2	8599	0	0	967	260	35	23	-12.4%	Dom.
BF	FIT 55-85, 2	9576	0	0	1041	265	35	25	-14.1%	Dom.
BF	FIT 50-75, 2	9448	0	0	1038	294	38	24	-4.6%	Dom.
BF	FIT 50-80, 2	10772	0	0	1140	307	40	26	-5.5%	Dom.
BF	FIT 50-85, 2	11420	0	0	1189	311	40	27	-6.7%	Dom.
BF	FIT 45-75, 2	11747	0	0	1207	336	42	26	0%	6.1
BF	FIT 45-80, 2	12627	0	0	1276	345	43	27	0%	7.9
BF	FIT 45-85, 2	13597	0	0	1348	350	44	29	-0.3%	14.2*
BF	FIT 55-75, 1	12784	0	0	1275	291	43	26	-15.5%	Dom.
BF	FIT 55-80, 1	14585	0	0	1393	300	46	27	-15.4%	Dom.
BF	FIT 55-85, 1	15893	0	0	1474	303	46	28	-16.2%	Dom.
BF	FIT 50-75, 1	16149	0	0	1513	343	49	28	-6.1%	Dom.
BF	FIT 50-80, 1	17941	0	0	1629	352	51	30	-6.3%	Dom.
BF	FIT 50-85, 1	19244	0	0	1710	355	52	30	-7.2%	Dom.
BF	FIT 45-75, 1	19641	0	0	1735	384	53	30	0%	11.6
BF	FIT 45-80, 1	21428	0	0	1850	393	55	31	0%	13.4
BF	FIT 45-85, 1	22729	0	0	1930	396	56	32	0%	26.3
BF	FIT-DNA 55-75, 5	3614	0	0	1012	235	33	21	-22.9%	Dom.
BF	FIT-DNA 55-80, 5	4034	0	0	1092	242	34	22	-23.9%	Dom.
BF	FIT-DNA 55-85, 5	4325	0	0	1146	244	35	23	-25.2%	Dom.
BF	FIT-DNA 50-75, 5	4445	0	0	1185	277	38	23	-16.6%	Dom.

BF	FIT-DNA 50-80, 5	4863	0	0	1264	284	39	24	-17.2%	Dom.
BF	FIT-DNA 50-85, 5	5153	0	0	1317	286	39	25	-17.8%	Dom.
BF	FIT-DNA 45-75, 5	5301	0	0	1347	312	41	25	-11.1%	Dom.
BF	FIT-DNA 45-80, 5	5717	0	0	1424	319	42	26	-10.9%	Dom.
BF	FIT-DNA 45-85, 5	6006	0	0	1478	321	42	26	-11.4%	Dom.
BF	FIT-DNA 55-75, 3	4739	0	0	1229	268	39	24	-21.0%	Dom.
BF	FIT-DNA 55-80, 3	5535	0	0	1370	279	42	25	-20.8%	Dom.
BF	FIT-DNA 55-85, 3	5968	0	0	1444	282	43	26	-21.4%	Dom.
BF	FIT-DNA 50-75, 3	6098	0	0	1492	320	45	26	-11.9%	Dom.
BF	FIT-DNA 50-80, 3	6693	0	0	1596	328	47	28	-11.8%	Dom.
BF	FIT-DNA 50-85, 3	7158	0	0	1672	332	48	28	-12.5%	Dom.
BF	FIT-DNA 45-75, 3	7288	0	0	1700	359	49	28	-5.9%	Dom.
BF	FIT-DNA 45-80, 3	7923	0	0	1807	367	51	29	-5.7%	Dom.
BF	FIT-DNA 45-85, 3	8446	0	0	1896	371	52	30	-6.0%	Dom.
BF	FIT-DNA 55-75, 1	9131	0	0	1976	312	52	28	-21.4%	Dom.
BF	FIT-DNA 55-80, 1	10277	0	0	2142	318	54	29	-20.4%	Dom.
BF	FIT-DNA 55-85, 1	11120	0	0	2260	320	55	29	-20.3%	Dom.
BF	FIT-DNA 50-75, 1	11400	0	0	2348	364	57	30	-9.6%	Dom.
BF	FIT-DNA 50-80, 1	12569	0	0	2517	370	59	31	-8.7%	Dom.
BF	FIT-DNA 50-85, 1	13404	0	0	2634	372	60	32	-8.7%	Dom.
BF	FIT-DNA 45-75, 1	13792	0	0	2709	406	61	32	-0.8%	79.9*
BF	FIT-DNA 45-80, 1	14948	0	0	2876	412	63	33	0.0%	60.9*
BF	FIT-DNA 45-85, 1	15782	0	0	2993	414	64	33	0%	60.6
BF	HSgFOBT 55-75, 3	5041	0	0	924	213	28	19	-25.7%	Dom.
BF	HSgFOBT 55-80, 3	5939	0	0	1041	227	30	21	-26.5%	Dom.
BF	HSgFOBT 55-85, 3	6455	0	0	1106	231	30	22	-27.7%	Dom.
BF	HSgFOBT 50-75, 3	6512	0	0	1135	261	33	21	-19.7%	Dom.
BF	HSgFOBT 50-80, 3	7213	0	0	1226	271	35	23	-20.0%	Dom.
BF	HSgFOBT 50-85, 3	7692	0	0	1284	274	35	24	-20.6%	Dom.
BF	HSgFOBT 45-75, 3	7822	0	0	1311	297	37	23	-14.5%	Dom.
BF	HSgFOBT 45-80, 3	8471	0	0	1390	306	38	24	-13.8%	Dom.
BF	HSgFOBT 45-85, 3	9088	0	0	1466	311	39	26	-14.0%	Dom.
BF	HSgFOBT 55-75, 2	6972	0	0	1204	252	35	22	-24.9%	Dom.
BF	HSgFOBT 55-80, 2	7743	0	0	1298	261	37	24	-24.8%	Dom.
BF	HSgFOBT 55-85, 2	8585	0	0	1396	265	38	25	-25.3%	Dom.
BF	HSgFOBT 50-75, 2	8493	0	0	1415	297	40	24	-16.7%	Dom.
BF	HSgFOBT 50-80, 2	9639	0	0	1551	309	42	26	-16.2%	Dom.
BF	HSgFOBT 50-85, 2	10198	0	0	1616	312	43	27	-16.6%	Dom.
BF	HSgFOBT 45-75, 2	10500	0	0	1666	340	44	27	-10.2%	Dom.
BF	HSgFOBT 45-80, 2	11261	0	0	1757	348	46	28	-10.0%	Dom.
BF	HSgFOBT 45-85, 2	12096	0	0	1853	352	47	29	-10.4%	Dom.
BF	HSgFOBT 55-75, 1	10562	0	0	1675	292	45	26	-22.9%	Dom.
BF	HSgFOBT 55-80, 1	11954	0	0	1826	300	47	27	-23.3%	Dom.
BF	HSgFOBT 55-85, 1	12967	0	0	1933	303	48	28	-23.6%	Dom.
BF	HSgFOBT 50-75, 1	13198	0	0	2005	344	51	29	-13.4%	Dom.
BF	HSgFOBT 50-80, 1	14592	0	0	2156	352	53	30	-12.0%	Dom.

BF	HSgFOBT 50-85, 1	15600	0	0	2261	354	54	30	-11.7%	Dom.
BF	HSgFOBT 45-75, 1	15942	0	0	2322	386	55	30	-4.2%	Dom.
BF	HSgFOBT 45-80, 1	17331	0	0	2471	393	57	32	-2.9%	Dom.
BF	HSgFOBT 45-85, 1	18336	0	0	2576	396	58	32	-2.7%	Dom.
BF	SIG 55-75, 10	0	2256	0	1336	272	48	25	0%	4.6
BF	SIG 55-80, 10	0	2256	0	1336	272	48	25	0%	4.6
BF	SIG 55-85, 10	0	2554	0	1434	274	49	26	-12.4%	Dom.
BF	SIG 50-75, 10	0	2460	0	1415	310	51	26	0%	2.1
BF	SIG 50-80, 10	0	2891	0	1564	317	53	27	-5.4%	Dom.
BF	SIG 50-85, 10	0	2891	0	1564	317	53	27	-5.4%	Dom.
BF	SIG 45-75, 10	0	3174	0	1657	351	56	29	0%	5.9
BF	SIG 45-80, 10	0	3174	0	1657	351	56	29	0%	5.9
BF	SIG 45-85, 10	0	3471	0	1754	353	57	29	-1.3%	45.8*
BF	SIG 55-75, 5	0	3288	0	1611	292	52	27	-15.0%	Dom.
BF	SIG 55-80, 5	0	3640	0	1706	295	54	27	-16.8%	Dom.
BF	SIG 55-85, 5	0	3881	0	1768	296	54	28	-17.6%	Dom.
BF	SIG 50-75, 5	0	4059	0	1851	340	58	29	-6.6%	Dom.
BF	SIG 50-80, 5	0	4410	0	1945	343	59	30	-7.4%	Dom.
BF	SIG 50-85, 5	0	4650	0	2006	344	59	30	-8.2%	Dom.
BF	SIG 45-75, 5	0	4862	0	2068	379	61	31	0%	14.6
BF	SIG 45-80, 5	0	5212	0	2162	382	62	31	0%	32.1
BF	SIG 45-85, 5	0	5452	0	2223	383	63	31	0%	78.9
BF	CTC 55-75, 10	0	0	2293	1153	275	47	25	0%	3.9
BF	CTC 55-80, 10	0	0	2293	1153	275	47	25	0%	3.9
BF	CTC 55-85, 10	0	0	2606	1251	278	48	26	-12.9%	Dom.
BF	CTC 50-75, 10	0	0	2495	1209	311	49	26	0%	1.6
BF	CTC 50-80, 10	0	0	2947	1353	320	52	28	-5.6%	Dom.
BF	CTC 50-85, 10	0	0	2947	1353	320	52	28	-5.6%	Dom.
BF	CTC 45-75, 10	0	0	3228	1425	354	54	28	0%	5.0
BF	CTC 45-80, 10	0	0	3228	1425	354	54	28	0%	5.0
BF	CTC 45-85, 10	0	0	3540	1522	357	55	29	-1.8%	32.7*
BF	CTC 55-75, 5	0	0	3399	1428	303	53	27	-14.3%	Dom.
BF	CTC 55-80, 5	0	0	3773	1521	308	55	28	-15.4%	Dom.
BF	CTC 55-85, 5	0	0	4030	1582	309	55	29	-16.5%	Dom.
BF	CTC 50-75, 5	0	0	4196	1639	354	58	30	-5.7%	Dom.
BF	CTC 50-80, 5	0	0	4570	1731	358	60	31	-6.9%	Dom.
BF	CTC 50-85, 5	0	0	4826	1793	359	60	31	-8.1%	Dom.
BF	CTC 45-75, 5	0	0	5024	1829	394	62	31	0%	10.0
BF	CTC 45-80, 5	0	0	5398	1921	398	63	32	0%	22.7
BF	CTC 45-85, 5	0	0	5654	1982	399	64	33	0%	54.7

Abbreviations: BF = black female; COL = colonoscopy; CRC = colorectal cancer; CTC = computed tomographic colonography; Dom. = dominated strategy; ER = efficiency ratio; FIT = fecal immunochemical test; FIT-DNA = multitarget stool DNA test; HSgFOBT = high-sensitivity guaiac-based fecal occult blood test; LYG = life-years gained; SIG = flexible sigmoidoscopy.

^a Both models evaluated two scenarios for CRC risk: one in which age-specific risks were assumed to have remained stable since the early screening period in the U.S. (1975-1979 for SimCRC; 1990-1994 for MISCAN), and one in which risks were assumed to have increased proportional to observed trends among adults under age 40 years. Strategies for each model and scenario are ordered successively by screening modality, interval (↓), end age (↑), and start age (↓).

^b Total number of colonoscopies performed per 1000 40-year-olds, including diagnostic colonoscopies and potential surveillance colonoscopies after adenoma removal. The number of screening-related complications ranged from 1.6 to 18.9 per 1000 40-year-olds across models, scenarios, and strategies.

^c Including deaths from complications of screening.

^d The difference in LYG compared to (combinations of) adjacent strategies on the efficient frontier. Near-efficient strategies have a loss in LYG of less than 2% before rounding. For the least intensive screening strategy evaluated within each class of screening modality, the difference was zero by definition.

^e Efficiency ratio = incremental number of colonoscopies/LYG with respect to the next less effective strategy on the efficient frontier, a burden-to-benefit ratio. Only calculated for efficient and near-efficient strategies (marked with an asterisk*), i.e. strategies within 2% from the efficient frontier among all evaluated strategies within a class of screening modalities (colonoscopy, stool-based, sigmoidoscopy, and CTC).

Supplementary Table 5. Lifetime Number of Colonoscopies and LYG for All Evaluated Screening Strategies under Two Scenarios for CRC Risk, by Model, in White Males ^a

Sub-group	Modality, and age to begin-end screening, interval, y	Outcomes per 1000 40-year-olds							Relative distance from efficient frontier ^d	ER ^e
		Stool tests	SIGs	CTCs	COLs ^b	LYG	CRC cases averted	CRC deaths averted ^c		
MISCAN - Scenario 1: Stable CRC risk										
WM	No screening	0	0	0	71	0	0	0	-	-
WM	COL 55-75, 15	0	0	0	3001	197	39	20	0%	14.8
WM	COL 55-80, 15	0	0	0	3001	197	39	20	0%	14.8
WM	COL 55-85, 15	0	0	0	3240	198	39	20	-3.8%	Dom.
WM	COL 50-75, 15	0	0	0	3264	207	39	20	0%	26.4
WM	COL 50-80, 15	0	0	0	3657	212	41	21	-2.3%	Dom.
WM	COL 50-85, 15	0	0	0	3657	212	41	21	-2.3%	Dom.
WM	COL 45-75, 15	0	0	0	3979	218	41	21	-3.4%	Dom.
WM	COL 45-80, 15	0	0	0	3979	218	41	21	-3.4%	Dom.
WM	COL 45-85, 15	0	0	0	3979	218	41	21	-3.4%	Dom.
WM	COL 55-75, 10	0	0	0	3598	209	42	21	-3.3%	Dom.
WM	COL 55-80, 10	0	0	0	3598	209	42	21	-3.3%	Dom.
WM	COL 55-85, 10	0	0	0	3813	210	42	21	-5.4%	Dom.
WM	COL 50-75, 10	0	0	0	4007	227	43	21	0%	38.6
WM	COL 50-80, 10	0	0	0	4357	230	44	22	-0.8%	116.6*
WM	COL 50-85, 10	0	0	0	4357	230	44	22	-0.8%	116.6*
WM	COL 45-75, 10	0	0	0	4797	238	45	22	0%	72.0
WM	COL 45-80, 10	0	0	0	4797	238	45	22	0%	72.0
WM	COL 45-85, 10	0	0	0	5012	238	45	22	-0.6%	351.8*
WM	COL 55-75, 5	0	0	0	4786	221	45	22	-7.1%	Dom.
WM	COL 55-80, 5	0	0	0	5098	222	45	22	-7.6%	Dom.
WM	COL 55-85, 5	0	0	0	5285	222	45	22	-8.3%	Dom.
WM	COL 50-75, 5	0	0	0	5807	243	47	23	-1.5%	181.2*
WM	COL 50-80, 5	0	0	0	6119	244	48	23	-2.1%	Dom.
WM	COL 50-85, 5	0	0	0	6305	245	48	23	-2.8%	Dom.
WM	COL 45-75, 5	0	0	0	6844	257	48	23	0%	108.1
WM	COL 45-80, 5	0	0	0	7157	258	49	24	0%	225.9
WM	COL 45-85, 5	0	0	0	7343	258	49	24	0%	1902.6
WM	FIT 55-75, 3	5146	0	0	796	142	16	14	0%	5.1
WM	FIT 55-80, 3	6037	0	0	876	153	17	15	0%	7.6
WM	FIT 55-85, 3	6615	0	0	922	156	17	16	-1.5%	13.3*
WM	FIT 50-75, 3	6689	0	0	947	162	18	15	0%	7.9
WM	FIT 50-80, 3	7524	0	0	1019	171	19	17	0%	8.0
WM	FIT 50-85, 3	7824	0	0	1042	172	19	17	-0.2%	12.9*
WM	FIT 45-75, 3	8274	0	0	1074	173	20	16	-1.4%	21.1*
WM	FIT 45-80, 3	8702	0	0	1109	178	20	16	-0.5%	12.5*
WM	FIT 45-85, 3	9327	0	0	1158	182	19	17	-0.6%	12.2*

WM	FIT 55-75, 2	7481	0	0	1030	167	21	16	-3.0%	Dom.
WM	FIT 55-80, 2	8279	0	0	1091	173	22	17	-2.4%	Dom.
WM	FIT 55-85, 2	9107	0	0	1148	176	22	18	-3.2%	Dom.
WM	FIT 50-75, 2	9204	0	0	1188	185	23	17	-0.7%	12.0*
WM	FIT 50-80, 2	10388	0	0	1275	194	24	19	0%	11.0
WM	FIT 50-85, 2	10936	0	0	1312	196	24	19	-0.2%	16.5*
WM	FIT 45-75, 2	11465	0	0	1354	197	25	18	-1.0%	22.1*
WM	FIT 45-80, 2	12251	0	0	1412	203	25	19	0%	14.4
WM	FIT 45-85, 2	13070	0	0	1466	207	25	20	0%	16.0
WM	FIT 55-75, 1	12335	0	0	1437	192	29	19	-6.2%	Dom.
WM	FIT 55-80, 1	13936	0	0	1534	199	31	20	-5.3%	Dom.
WM	FIT 55-85, 1	15040	0	0	1595	201	31	20	-5.5%	Dom.
WM	FIT 50-75, 1	15619	0	0	1693	214	32	20	-1.3%	29.7*
WM	FIT 50-80, 1	17205	0	0	1787	221	33	21	-0.5%	23.0*
WM	FIT 50-85, 1	18301	0	0	1847	223	33	21	-0.7%	23.6*
WM	FIT 45-75, 1	19081	0	0	1915	226	33	20	-0.8%	23.5*
WM	FIT 45-80, 1	20659	0	0	2008	232	34	21	0%	21.4
WM	FIT 45-85, 1	21751	0	0	2067	234	34	22	0%	28.6
WM	FIT-DNA 55-75, 5	3495	0	0	1152	158	22	16	-13.3%	Dom.
WM	FIT-DNA 55-80, 5	3861	0	0	1220	164	22	17	-13.4%	Dom.
WM	FIT-DNA 55-85, 5	4096	0	0	1259	165	22	17	-14.3%	Dom.
WM	FIT-DNA 50-75, 5	4308	0	0	1340	176	24	17	-11.3%	Dom.
WM	FIT-DNA 50-80, 5	4670	0	0	1405	181	24	18	-10.8%	Dom.
WM	FIT-DNA 50-85, 5	4904	0	0	1444	182	24	18	-11.3%	Dom.
WM	FIT-DNA 45-75, 5	5156	0	0	1499	185	25	17	-11.3%	Dom.
WM	FIT-DNA 45-80, 5	5517	0	0	1563	190	25	18	-10.2%	Dom.
WM	FIT-DNA 45-85, 5	5750	0	0	1602	191	25	18	-10.3%	Dom.
WM	FIT-DNA 55-75, 3	4427	0	0	1380	176	26	17	-12.4%	Dom.
WM	FIT-DNA 55-80, 3	5129	0	0	1501	185	28	19	-11.4%	Dom.
WM	FIT-DNA 55-85, 3	5577	0	0	1570	187	28	19	-11.6%	Dom.
WM	FIT-DNA 50-75, 3	5701	0	0	1650	198	29	18	-8.0%	Dom.
WM	FIT-DNA 50-80, 3	6352	0	0	1759	205	30	20	-6.9%	Dom.
WM	FIT-DNA 50-85, 3	6585	0	0	1794	206	30	20	-7.0%	Dom.
WM	FIT-DNA 45-75, 3	7017	0	0	1885	210	31	19	-7.3%	Dom.
WM	FIT-DNA 45-80, 3	7352	0	0	1939	213	31	20	-6.8%	Dom.
WM	FIT-DNA 45-85, 3	7837	0	0	2014	216	31	20	-6.8%	Dom.
WM	FIT-DNA 55-75, 1	8705	0	0	2190	206	37	20	-12.3%	Dom.
WM	FIT-DNA 55-80, 1	9690	0	0	2324	210	38	21	-11.0%	Dom.
WM	FIT-DNA 55-85, 1	10380	0	0	2412	211	39	21	-10.8%	Dom.
WM	FIT-DNA 50-75, 1	10885	0	0	2589	227	40	21	-4.8%	Dom.
WM	FIT-DNA 50-80, 1	11884	0	0	2723	231	41	22	-3.6%	Dom.
WM	FIT-DNA 50-85, 1	12566	0	0	2809	232	41	22	-3.4%	Dom.
WM	FIT-DNA 45-75, 1	13234	0	0	2953	239	41	21	-1.3%	194.0*
WM	FIT-DNA 45-80, 1	14221	0	0	3085	243	42	22	-0.2%	120.7*
WM	FIT-DNA 45-85, 1	14903	0	0	3171	244	42	22	0%	114.8
WM	HSgFOBT 55-75, 3	4813	0	0	1022	141	17	14	-17.7%	Dom.

WM	HSgFOBT 55-80, 3	5616	0	0	1128	151	18	15	-16.5%	Dom.
WM	HSgFOBT 55-85, 3	6133	0	0	1188	154	18	16	-17.3%	Dom.
WM	HSgFOBT 50-75, 3	6201	0	0	1248	161	20	15	-15.8%	Dom.
WM	HSgFOBT 50-80, 3	6947	0	0	1342	169	20	17	-14.6%	Dom.
WM	HSgFOBT 50-85, 3	7215	0	0	1373	171	20	17	-14.7%	Dom.
WM	HSgFOBT 45-75, 3	7623	0	0	1445	173	21	16	-15.8%	Dom.
WM	HSgFOBT 45-80, 3	8005	0	0	1492	177	22	17	-14.8%	Dom.
WM	HSgFOBT 45-85, 3	8561	0	0	1557	181	21	17	-14.2%	Dom.
WM	HSgFOBT 55-75, 2	6788	0	0	1339	166	23	16	-16.3%	Dom.
WM	HSgFOBT 55-80, 2	7473	0	0	1420	172	23	17	-15.8%	Dom.
WM	HSgFOBT 55-85, 2	8179	0	0	1497	175	23	18	-16.0%	Dom.
WM	HSgFOBT 50-75, 2	8279	0	0	1580	185	25	17	-12.6%	Dom.
WM	HSgFOBT 50-80, 2	9290	0	0	1697	193	26	19	-11.1%	Dom.
WM	HSgFOBT 50-85, 2	9755	0	0	1747	195	26	19	-11.1%	Dom.
WM	HSgFOBT 45-75, 2	10234	0	0	1837	198	27	18	-11.7%	Dom.
WM	HSgFOBT 45-80, 2	10904	0	0	1914	203	27	19	-10.8%	Dom.
WM	HSgFOBT 45-85, 2	11597	0	0	1987	206	27	20	-10.9%	Dom.
WM	HSgFOBT 55-75, 1	10212	0	0	1858	192	31	19	-14.6%	Dom.
WM	HSgFOBT 55-80, 1	11419	0	0	1984	197	32	20	-14.5%	Dom.
WM	HSgFOBT 55-85, 1	12250	0	0	2064	199	32	20	-14.9%	Dom.
WM	HSgFOBT 50-75, 1	12737	0	0	2221	214	34	20	-9.0%	Dom.
WM	HSgFOBT 50-80, 1	13937	0	0	2343	219	35	21	-7.3%	Dom.
WM	HSgFOBT 50-85, 1	14760	0	0	2422	221	35	21	-6.9%	Dom.
WM	HSgFOBT 45-75, 1	15423	0	0	2545	225	35	20	-5.4%	Dom.
WM	HSgFOBT 45-80, 1	16615	0	0	2666	230	36	21	-3.7%	Dom.
WM	HSgFOBT 45-85, 1	17436	0	0	2744	232	36	22	-3.3%	Dom.
WM	SIG 55-75, 10	0	2103	0	1695	171	34	17	0%	9.5
WM	SIG 55-80, 10	0	2103	0	1695	171	34	17	0%	9.5
WM	SIG 55-85, 10	0	2331	0	1757	172	34	18	-3.0%	Dom.
WM	SIG 50-75, 10	0	2328	0	1822	183	35	18	0%	10.0
WM	SIG 50-80, 10	0	2681	0	1944	188	36	19	-0.9%	29.2*
WM	SIG 50-85, 10	0	2681	0	1944	188	36	19	-0.9%	29.2*
WM	SIG 45-75, 10	0	2997	0	2034	191	36	18	-1.4%	27.9*
WM	SIG 45-80, 10	0	2997	0	2034	191	36	18	-1.4%	27.9*
WM	SIG 45-85, 10	0	3225	0	2096	192	36	19	-2.4%	Dom.
WM	SIG 55-75, 5	0	3012	0	1957	185	37	19	-2.4%	Dom.
WM	SIG 55-80, 5	0	3303	0	2037	187	38	19	-3.3%	Dom.
WM	SIG 55-85, 5	0	3486	0	2072	188	38	19	-4.0%	Dom.
WM	SIG 50-75, 5	0	3737	0	2231	203	39	20	0%	20.6
WM	SIG 50-80, 5	0	4026	0	2310	205	40	20	-0.6%	39.6*
WM	SIG 50-85, 5	0	4209	0	2345	206	40	20	-1.1%	50.2*
WM	SIG 45-75, 5	0	4522	0	2452	212	40	20	0%	24.8
WM	SIG 45-80, 5	0	4810	0	2530	214	41	20	0%	39.7
WM	SIG 45-85, 5	0	4993	0	2565	214	41	20	0%	131.0
WM	CTC 55-75, 10	0	0	2234	1159	157	26	16	0%	6.9
WM	CTC 55-80, 10	0	0	2234	1159	157	26	16	0%	6.9

WM	CTC 55-85, 10	0	0	2498	1223	159	26	17	-3.8%	Dom.
WM	CTC 50-75, 10	0	0	2456	1223	166	26	15	0%	7.2
WM	CTC 50-80, 10	0	0	2862	1329	175	28	17	-0.6%	12.0*
WM	CTC 50-85, 10	0	0	2862	1329	175	28	17	-0.6%	12.0*
WM	CTC 45-75, 10	0	0	3171	1393	176	28	17	-3.4%	Dom.
WM	CTC 45-80, 10	0	0	3171	1393	176	28	17	-3.4%	Dom.
WM	CTC 45-85, 10	0	0	3433	1456	178	28	17	-5.1%	Dom.
WM	CTC 55-75, 5	0	0	3320	1460	188	33	18	0%	10.7
WM	CTC 55-80, 5	0	0	3659	1531	192	34	19	-1.1%	16.7*
WM	CTC 55-85, 5	0	0	3877	1574	193	34	20	-2.5%	Dom.
WM	CTC 50-75, 5	0	0	4110	1667	207	35	19	0%	11.0
WM	CTC 50-80, 5	0	0	4447	1737	211	36	20	0%	16.6
WM	CTC 50-85, 5	0	0	4664	1779	212	36	20	-0.5%	41.7*
WM	CTC 45-75, 5	0	0	4940	1842	216	36	20	-0.3%	21.6*
WM	CTC 45-80, 5	0	0	5276	1911	220	37	21	0%	19.3
WM	CTC 45-85, 5	0	0	5492	1953	221	37	21	0%	41.2

MISCAN - Scenario 2: Increased CRC risk

WM	No screening	0	0	0	149	0	0	0	-	-
WM	COL 55-75, 15	0	0	0	4093	438	85	44	0%	9.0
WM	COL 55-80, 15	0	0	0	4093	438	85	44	0%	9.0
WM	COL 55-85, 15	0	0	0	4194	439	85	44	-1.0%	70.6*
WM	COL 50-75, 15	0	0	0	4540	463	87	44	-0.2%	17.3*
WM	COL 50-80, 15	0	0	0	4746	471	89	46	-1.3%	19.8*
WM	COL 50-85, 15	0	0	0	4746	471	89	46	-1.3%	19.8*
WM	COL 45-75, 15	0	0	0	5173	483	90	46	-3.4%	Dom.
WM	COL 45-80, 15	0	0	0	5173	483	90	46	-3.4%	Dom.
WM	COL 45-85, 15	0	0	0	5173	483	90	46	-3.4%	Dom.
WM	COL 55-75, 10	0	0	0	4478	458	90	46	-0.6%	18.9*
WM	COL 55-80, 10	0	0	0	4478	458	90	46	-0.6%	18.9*
WM	COL 55-85, 10	0	0	0	4553	459	90	46	-1.4%	Dom.
WM	COL 50-75, 10	0	0	0	5102	498	93	47	0%	16.7
WM	COL 50-80, 10	0	0	0	5252	502	95	48	-0.1%	38.9*
WM	COL 50-85, 10	0	0	0	5252	502	95	48	-0.1%	38.9*
WM	COL 45-75, 10	0	0	0	5846	520	96	48	0%	33.5
WM	COL 45-80, 10	0	0	0	5846	520	96	48	0%	33.5
WM	COL 45-85, 10	0	0	0	5920	521	96	49	-0.2%	108.8*
WM	COL 55-75, 5	0	0	0	5125	477	94	47	-4.4%	Dom.
WM	COL 55-80, 5	0	0	0	5231	478	95	48	-4.7%	Dom.
WM	COL 55-85, 5	0	0	0	5276	478	95	48	-4.9%	Dom.
WM	COL 50-75, 5	0	0	0	6146	526	100	50	-0.3%	48.5*
WM	COL 50-80, 5	0	0	0	6251	528	100	50	-0.5%	52.3*
WM	COL 50-85, 5	0	0	0	6297	528	100	50	-0.7%	57.5*
WM	COL 45-75, 5	0	0	0	7182	554	102	51	0%	39.5
WM	COL 45-80, 5	0	0	0	7288	556	103	51	0%	67.2
WM	COL 45-85, 5	0	0	0	7334	556	103	51	0%	555.4
WM	FIT 55-75, 3	4750	0	0	1416	311	37	30	0%	4.1

WM	FIT 55-80, 3	5418	0	0	1531	333	39	34	0%	5.2
WM	FIT 55-85, 3	5804	0	0	1589	339	38	36	-0.9%	8.8*
WM	FIT 50-75, 3	6165	0	0	1661	353	42	33	-0.5%	6.4*
WM	FIT 50-80, 3	6771	0	0	1760	372	43	36	0%	5.9
WM	FIT 50-85, 3	6970	0	0	1790	375	43	37	-0.1%	8.5*
WM	FIT 45-75, 3	7643	0	0	1853	378	45	35	-1.6%	15.0*
WM	FIT 45-80, 3	7953	0	0	1902	387	45	36	-0.7%	9.0*
WM	FIT 45-85, 3	8371	0	0	1964	395	45	38	-0.7%	8.6*
WM	FIT 55-75, 2	6661	0	0	1774	364	48	36	-2.5%	Dom.
WM	FIT 55-80, 2	7209	0	0	1852	377	50	38	-1.8%	17.8*
WM	FIT 55-85, 2	7721	0	0	1916	383	50	40	-2.2%	Dom.
WM	FIT 50-75, 2	8277	0	0	2027	402	53	37	-1.0%	8.6*
WM	FIT 50-80, 2	9079	0	0	2137	421	55	41	0%	7.6
WM	FIT 50-85, 2	9412	0	0	2177	425	55	42	-0.1%	9.8*
WM	FIT 45-75, 2	10343	0	0	2270	431	56	39	-0.9%	12.8*
WM	FIT 45-80, 2	10870	0	0	2341	443	57	41	0%	9.3
WM	FIT 45-85, 2	11365	0	0	2401	449	57	43	0%	9.5
WM	FIT 55-75, 1	10514	0	0	2348	420	65	41	-5.2%	Dom.
WM	FIT 55-80, 1	11486	0	0	2448	433	68	43	-4.5%	Dom.
WM	FIT 55-85, 1	12073	0	0	2501	436	68	44	-4.5%	Dom.
WM	FIT 50-75, 1	13419	0	0	2724	468	71	43	-1.4%	17.1*
WM	FIT 50-80, 1	14362	0	0	2818	480	73	46	-0.5%	13.7*
WM	FIT 50-85, 1	14937	0	0	2869	483	74	46	-0.6%	13.8*
WM	FIT 45-75, 1	16592	0	0	3033	495	74	45	-0.8%	13.8*
WM	FIT 45-80, 1	17522	0	0	3125	506	76	47	0%	12.7
WM	FIT 45-85, 1	18090	0	0	3174	510	77	47	0%	13.8
WM	FIT-DNA 55-75, 5	3141	0	0	1904	347	49	35	-11.0%	Dom.
WM	FIT-DNA 55-80, 5	3385	0	0	1980	357	50	37	-10.7%	Dom.
WM	FIT-DNA 55-85, 5	3524	0	0	2019	360	49	38	-11.2%	Dom.
WM	FIT-DNA 50-75, 5	3880	0	0	2187	384	53	37	-10.0%	Dom.
WM	FIT-DNA 50-80, 5	4117	0	0	2260	393	54	39	-9.4%	Dom.
WM	FIT-DNA 50-85, 5	4254	0	0	2297	396	53	39	-9.7%	Dom.
WM	FIT-DNA 45-75, 5	4674	0	0	2413	405	56	38	-10.1%	Dom.
WM	FIT-DNA 45-80, 5	4908	0	0	2484	414	56	40	-9.1%	Dom.
WM	FIT-DNA 45-85, 5	5044	0	0	2521	416	56	40	-9.2%	Dom.
WM	FIT-DNA 55-75, 3	3948	0	0	2246	387	59	38	-10.6%	Dom.
WM	FIT-DNA 55-80, 3	4400	0	0	2375	403	62	41	-9.7%	Dom.
WM	FIT-DNA 55-85, 3	4648	0	0	2435	407	63	42	-9.9%	Dom.
WM	FIT-DNA 50-75, 3	5056	0	0	2635	434	65	41	-7.2%	Dom.
WM	FIT-DNA 50-80, 3	5459	0	0	2744	447	68	43	-6.1%	Dom.
WM	FIT-DNA 50-85, 3	5587	0	0	2775	449	68	44	-6.1%	Dom.
WM	FIT-DNA 45-75, 3	6240	0	0	2951	460	68	42	-6.6%	Dom.
WM	FIT-DNA 45-80, 3	6446	0	0	3005	466	70	43	-6.1%	Dom.
WM	FIT-DNA 45-85, 3	6716	0	0	3070	472	70	45	-6.0%	Dom.
WM	FIT-DNA 55-75, 1	7075	0	0	3227	451	81	44	-11.6%	Dom.
WM	FIT-DNA 55-80, 1	7565	0	0	3321	458	83	46	-10.6%	Dom.

WM	FIT-DNA 55-85, 1	7858	0	0	3371	459	84	46	-10.4%	Dom.
WM	FIT-DNA 50-75, 1	8916	0	0	3756	497	87	47	-4.3%	Dom.
WM	FIT-DNA 50-80, 1	9402	0	0	3848	503	88	48	-3.4%	Dom.
WM	FIT-DNA 50-85, 1	9687	0	0	3896	505	89	48	-3.3%	Dom.
WM	FIT-DNA 45-75, 1	11006	0	0	4210	522	89	47	-1.0%	85.7*
WM	FIT-DNA 45-80, 1	11484	0	0	4299	528	91	49	-0.2%	61.9*
WM	FIT-DNA 45-85, 1	11768	0	0	4347	529	91	49	0%	58.9
WM	HSgFOBT 55-75, 3	4485	0	0	1647	308	39	30	-12.6%	Dom.
WM	HSgFOBT 55-80, 3	5082	0	0	1773	328	41	34	-12.0%	Dom.
WM	HSgFOBT 55-85, 3	5419	0	0	1835	334	40	35	-12.3%	Dom.
WM	HSgFOBT 50-75, 3	5740	0	0	1983	353	45	33	-12.0%	Dom.
WM	HSgFOBT 50-80, 3	6271	0	0	2090	369	46	36	-10.9%	Dom.
WM	HSgFOBT 50-85, 3	6443	0	0	2121	372	46	37	-11.1%	Dom.
WM	HSgFOBT 45-75, 3	7045	0	0	2260	379	48	35	-12.8%	Dom.
WM	HSgFOBT 45-80, 3	7316	0	0	2312	387	49	37	-12.0%	Dom.
WM	HSgFOBT 45-85, 3	7676	0	0	2377	394	48	38	-11.7%	Dom.
WM	HSgFOBT 55-75, 2	6098	0	0	2085	363	51	36	-12.3%	Dom.
WM	HSgFOBT 55-80, 2	6555	0	0	2170	374	52	38	-11.8%	Dom.
WM	HSgFOBT 55-85, 2	6971	0	0	2238	380	52	40	-12.0%	Dom.
WM	HSgFOBT 50-75, 2	7465	0	0	2444	405	57	38	-10.6%	Dom.
WM	HSgFOBT 50-80, 2	8122	0	0	2562	420	58	41	-9.0%	Dom.
WM	HSgFOBT 50-85, 2	8389	0	0	2604	424	58	42	-8.9%	Dom.
WM	HSgFOBT 45-75, 2	9211	0	0	2792	434	60	40	-9.6%	Dom.
WM	HSgFOBT 45-80, 2	9639	0	0	2868	444	62	42	-8.7%	Dom.
WM	HSgFOBT 45-85, 2	10033	0	0	2930	449	61	43	-8.5%	Dom.
WM	HSgFOBT 55-75, 1	8811	0	0	2770	421	68	42	-12.0%	Dom.
WM	HSgFOBT 55-80, 1	9493	0	0	2873	430	70	43	-11.5%	Dom.
WM	HSgFOBT 55-85, 1	9895	0	0	2927	433	71	44	-11.7%	Dom.
WM	HSgFOBT 50-75, 1	10968	0	0	3269	468	75	44	-8.4%	Dom.
WM	HSgFOBT 50-80, 1	11624	0	0	3365	477	77	46	-6.9%	Dom.
WM	HSgFOBT 50-85, 1	12014	0	0	3416	480	77	46	-6.6%	Dom.
WM	HSgFOBT 45-75, 1	13359	0	0	3692	495	78	45	-4.5%	Dom.
WM	HSgFOBT 45-80, 1	14003	0	0	3786	504	80	47	-3.1%	Dom.
WM	HSgFOBT 45-85, 1	14387	0	0	3836	506	80	47	-2.8%	Dom.
WM	SIG 55-75, 10	0	1676	0	3228	408	80	42	0%	7.6
WM	SIG 55-80, 10	0	1676	0	3228	408	80	42	0%	7.6
WM	SIG 55-85, 10	0	1767	0	3280	409	80	42	-1.1%	41.4*
WM	SIG 50-75, 10	0	1934	0	3513	439	82	42	0%	9.1
WM	SIG 50-80, 10	0	2095	0	3637	446	84	44	-0.7%	19.0*
WM	SIG 50-85, 10	0	2095	0	3637	446	84	44	-0.7%	19.0*
WM	SIG 45-75, 10	0	2451	0	3825	457	85	44	-1.4%	17.4*
WM	SIG 45-80, 10	0	2451	0	3825	457	85	44	-1.4%	17.4*
WM	SIG 45-85, 10	0	2541	0	3876	458	85	44	-1.9%	18.9*
WM	SIG 55-75, 5	0	2157	0	3504	432	85	44	-1.3%	11.2*
WM	SIG 55-80, 5	0	2270	0	3571	435	86	44	-1.9%	Dom.
WM	SIG 55-85, 5	0	2328	0	3590	436	86	44	-2.1%	Dom.

WM	SIG 50-75, 5	0	2718	0	3959	474	89	46	0%	12.8
WM	SIG 50-80, 5	0	2829	0	4024	477	90	46	-0.2%	22.6*
WM	SIG 50-85, 5	0	2887	0	4043	477	90	46	-0.4%	26.2*
WM	SIG 45-75, 5	0	3389	0	4302	494	91	46	0%	16.9
WM	SIG 45-80, 5	0	3500	0	4367	497	92	47	0%	23.0
WM	SIG 45-85, 5	0	3558	0	4385	497	92	47	0%	66.2
WM	CTC 55-75, 10	0	0	1995	2033	345	58	35	0%	5.5
WM	CTC 55-80, 10	0	0	1995	2033	345	58	35	0%	5.5
WM	CTC 55-85, 10	0	0	2156	2105	350	58	36	-2.0%	Dom.
WM	CTC 50-75, 10	0	0	2255	2149	364	58	35	0%	6.2
WM	CTC 50-80, 10	0	0	2526	2282	381	61	38	-1.0%	7.7*
WM	CTC 50-85, 10	0	0	2526	2282	381	61	38	-1.0%	7.7*
WM	CTC 45-75, 10	0	0	2875	2385	386	62	37	-3.9%	Dom.
WM	CTC 45-80, 10	0	0	2875	2385	386	62	37	-3.9%	Dom.
WM	CTC 45-85, 10	0	0	3033	2455	390	62	38	-5.4%	Dom.
WM	CTC 55-75, 5	0	0	2836	2449	412	72	41	0%	6.3
WM	CTC 55-80, 5	0	0	3036	2522	420	74	43	-0.4%	9.5*
WM	CTC 55-85, 5	0	0	3151	2560	421	75	43	-1.1%	11.7*
WM	CTC 50-75, 5	0	0	3542	2757	452	76	43	0%	7.7
WM	CTC 50-80, 5	0	0	3740	2828	459	78	44	0%	9.5
WM	CTC 50-85, 5	0	0	3852	2864	461	79	45	-0.4%	22.3*
WM	CTC 45-75, 5	0	0	4315	2999	474	78	44	-0.2%	11.8*
WM	CTC 45-80, 5	0	0	4510	3069	481	80	45	0%	11.0
WM	CTC 45-85, 5	0	0	4622	3105	483	81	46	0%	21.9

SimCRC - Scenario 1: Stable CRC risk

WM	No screening	0	0	0	79	0	0	0	-	-
WM	COL 55-75, 15	0	0	0	3060	250	57	25	0%	11.9
WM	COL 55-80, 15	0	0	0	3060	250	57	25	0%	11.9
WM	COL 55-85, 15	0	0	0	3299	252	57	25	-9.5%	Dom.
WM	COL 50-75, 15	0	0	0	3301	278	59	25	0%	8.7
WM	COL 50-80, 15	0	0	0	3719	283	61	27	-3.3%	Dom.
WM	COL 50-85, 15	0	0	0	3719	283	61	27	-3.3%	Dom.
WM	COL 45-75, 15	0	0	0	4098	307	64	27	0%	28.0
WM	COL 45-80, 15	0	0	0	4098	307	64	27	0%	28.0
WM	COL 45-85, 15	0	0	0	4098	307	64	27	0%	28.0
WM	COL 55-75, 10	0	0	0	3685	261	60	26	-10.5%	Dom.
WM	COL 55-80, 10	0	0	0	3685	261	60	26	-10.5%	Dom.
WM	COL 55-85, 10	0	0	0	3883	262	60	26	-12.4%	Dom.
WM	COL 50-75, 10	0	0	0	4094	294	64	27	-4.0%	Dom.
WM	COL 50-80, 10	0	0	0	4436	297	65	28	-5.2%	Dom.
WM	COL 50-85, 10	0	0	0	4436	297	65	28	-5.2%	Dom.
WM	COL 45-75, 10	0	0	0	4918	322	68	29	0%	51.8
WM	COL 45-80, 10	0	0	0	4918	322	68	29	0%	51.8
WM	COL 45-85, 10	0	0	0	5116	323	68	29	-0.2%	385.3*
WM	COL 55-75, 5	0	0	0	4884	269	63	27	-16.4%	Dom.
WM	COL 55-80, 5	0	0	0	5156	270	63	27	-16.7%	Dom.

WM	COL 55-85, 5	0	0	0	5316	270	63	27	-16.9%	Dom.
WM	COL 50-75, 5	0	0	0	5915	306	68	28	-6.7%	Dom.
WM	COL 50-80, 5	0	0	0	6187	306	68	28	-6.9%	Dom.
WM	COL 50-85, 5	0	0	0	6347	306	68	29	-7.1%	Dom.
WM	COL 45-75, 5	0	0	0	6963	333	71	29	0%	191.3
WM	COL 45-80, 5	0	0	0	7235	334	71	30	0%	423.8
WM	COL 45-85, 5	0	0	0	7396	334	71	30	0%	1396.2
WM	FIT 55-75, 3	5158	0	0	891	195	31	18	0%	4.2
WM	FIT 55-80, 3	6025	0	0	996	207	34	21	-4.1%	Dom.
WM	FIT 55-85, 3	6522	0	0	1053	211	34	21	-7.5%	Dom.
WM	FIT 50-75, 3	6708	0	0	1067	231	36	21	0%	4.9
WM	FIT 50-80, 3	7441	0	0	1155	240	38	22	-2.6%	Dom.
WM	FIT 50-85, 3	7799	0	0	1194	242	38	23	-4.3%	Dom.
WM	FIT 45-75, 3	8194	0	0	1213	256	40	22	0%	5.7
WM	FIT 45-80, 3	8716	0	0	1270	262	41	23	0%	9.1
WM	FIT 45-85, 3	9293	0	0	1335	267	41	24	-0.5%	15.9*
WM	FIT 55-75, 2	7358	0	0	1153	223	39	21	-9.4%	Dom.
WM	FIT 55-80, 2	8113	0	0	1233	229	40	23	-11.4%	Dom.
WM	FIT 55-85, 2	8874	0	0	1307	232	41	23	-12.5%	Dom.
WM	FIT 50-75, 2	9061	0	0	1325	254	43	23	-4.8%	Dom.
WM	FIT 50-80, 2	10180	0	0	1440	263	45	24	-4.7%	Dom.
WM	FIT 50-85, 2	10684	0	0	1489	265	45	25	-5.4%	Dom.
WM	FIT 45-75, 2	11274	0	0	1522	283	47	24	0%	12.2
WM	FIT 45-80, 2	12017	0	0	1598	289	48	25	0%	12.7
WM	FIT 45-85, 2	12769	0	0	1670	292	48	26	0%	23.6
WM	FIT 55-75, 1	12001	0	0	1594	245	48	24	-15.1%	Dom.
WM	FIT 55-80, 1	13468	0	0	1715	251	50	25	-14.7%	Dom.
WM	FIT 55-85, 1	14439	0	0	1789	252	50	25	-15.0%	Dom.
WM	FIT 50-75, 1	15221	0	0	1869	281	54	26	-6.2%	Dom.
WM	FIT 50-80, 1	16675	0	0	1987	286	55	27	-5.9%	Dom.
WM	FIT 50-85, 1	17640	0	0	2059	287	56	27	-6.2%	Dom.
WM	FIT 45-75, 1	18598	0	0	2119	308	57	27	-0.2%	28.1*
WM	FIT 45-80, 1	20047	0	0	2235	313	59	28	0%	26.8
WM	FIT 45-85, 1	21009	0	0	2307	315	59	28	0%	49.3
WM	FIT-DNA 55-75, 5	3463	0	0	1264	212	39	21	-19.1%	Dom.
WM	FIT-DNA 55-80, 5	3813	0	0	1348	217	40	22	-19.4%	Dom.
WM	FIT-DNA 55-85, 5	4031	0	0	1398	218	39	22	-20.0%	Dom.
WM	FIT-DNA 50-75, 5	4267	0	0	1468	243	43	22	-12.6%	Dom.
WM	FIT-DNA 50-80, 5	4614	0	0	1550	248	44	23	-13.0%	Dom.
WM	FIT-DNA 50-85, 5	4830	0	0	1599	250	44	24	-13.6%	Dom.
WM	FIT-DNA 45-75, 5	5102	0	0	1652	268	46	23	-8.1%	Dom.
WM	FIT-DNA 45-80, 5	5446	0	0	1733	272	47	24	-7.5%	Dom.
WM	FIT-DNA 45-85, 5	5662	0	0	1781	274	47	25	-7.6%	Dom.
WM	FIT-DNA 55-75, 3	4513	0	0	1520	233	45	22	-17.6%	Dom.
WM	FIT-DNA 55-80, 3	5176	0	0	1666	241	47	24	-17.4%	Dom.
WM	FIT-DNA 55-85, 3	5505	0	0	1733	243	47	24	-17.6%	Dom.

WM	FIT-DNA 50-75, 3	5805	0	0	1820	270	50	25	-9.3%	Dom.
WM	FIT-DNA 50-80, 3	6297	0	0	1927	275	52	26	-8.8%	Dom.
WM	FIT-DNA 50-85, 3	6648	0	0	1995	277	52	26	-9.0%	Dom.
WM	FIT-DNA 45-75, 3	6966	0	0	2056	296	53	26	-3.6%	Dom.
WM	FIT-DNA 45-80, 3	7489	0	0	2163	301	55	27	-3.0%	Dom.
WM	FIT-DNA 45-85, 3	7885	0	0	2243	303	55	27	-3.3%	Dom.
WM	FIT-DNA 55-75, 1	8456	0	0	2320	256	55	25	-18.7%	Dom.
WM	FIT-DNA 55-80, 1	9354	0	0	2469	259	57	26	-18.0%	Dom.
WM	FIT-DNA 55-85, 1	9954	0	0	2563	260	57	26	-17.9%	Dom.
WM	FIT-DNA 50-75, 1	10613	0	0	2726	291	60	27	-8.4%	Dom.
WM	FIT-DNA 50-80, 1	11528	0	0	2877	294	62	27	-7.7%	Dom.
WM	FIT-DNA 50-85, 1	12121	0	0	2970	295	62	28	-7.6%	Dom.
WM	FIT-DNA 45-75, 1	12911	0	0	3114	318	64	28	-0.7%	233.9*
WM	FIT-DNA 45-80, 1	13816	0	0	3263	321	65	28	0.0%	144.7*
WM	FIT-DNA 45-85, 1	14409	0	0	3355	322	65	29	0%	141.4
WM	HSgFOBT 55-75, 3	4876	0	0	1130	194	33	19	-19.6%	Dom.
WM	HSgFOBT 55-80, 3	5658	0	0	1256	206	35	21	-21.2%	Dom.
WM	HSgFOBT 55-85, 3	6070	0	0	1320	208	35	21	-21.8%	Dom.
WM	HSgFOBT 50-75, 3	6291	0	0	1376	231	38	21	-14.9%	Dom.
WM	HSgFOBT 50-80, 3	6898	0	0	1474	239	40	22	-14.5%	Dom.
WM	HSgFOBT 50-85, 3	7275	0	0	1527	241	40	23	-15.0%	Dom.
WM	HSgFOBT 45-75, 3	7576	0	0	1578	256	42	22	-10.9%	Dom.
WM	HSgFOBT 45-80, 3	8129	0	0	1660	263	43	23	-9.9%	Dom.
WM	HSgFOBT 45-85, 3	8621	0	0	1733	266	43	24	-9.6%	Dom.
WM	HSgFOBT 55-75, 2	6673	0	0	1455	222	40	22	-20.0%	Dom.
WM	HSgFOBT 55-80, 2	7325	0	0	1551	228	42	23	-20.2%	Dom.
WM	HSgFOBT 55-85, 2	7977	0	0	1640	231	42	23	-20.7%	Dom.
WM	HSgFOBT 50-75, 2	8158	0	0	1700	255	45	23	-13.2%	Dom.
WM	HSgFOBT 50-80, 2	9122	0	0	1838	263	47	25	-11.9%	Dom.
WM	HSgFOBT 50-85, 2	9552	0	0	1896	265	47	25	-12.0%	Dom.
WM	HSgFOBT 45-75, 2	10082	0	0	1979	283	49	25	-6.7%	Dom.
WM	HSgFOBT 45-80, 2	10721	0	0	2071	289	50	26	-6.0%	Dom.
WM	HSgFOBT 45-85, 2	11363	0	0	2157	291	51	26	-6.1%	Dom.
WM	HSgFOBT 55-75, 1	9971	0	0	1978	245	50	24	-19.3%	Dom.
WM	HSgFOBT 55-80, 1	11100	0	0	2120	250	51	25	-19.2%	Dom.
WM	HSgFOBT 55-85, 1	11847	0	0	2208	251	51	25	-19.6%	Dom.
WM	HSgFOBT 50-75, 1	12485	0	0	2345	281	55	26	-10.8%	Dom.
WM	HSgFOBT 50-80, 1	13612	0	0	2485	285	56	27	-9.7%	Dom.
WM	HSgFOBT 50-85, 1	14354	0	0	2571	286	57	27	-9.5%	Dom.
WM	HSgFOBT 45-75, 1	15127	0	0	2689	308	58	27	-2.9%	Dom.
WM	HSgFOBT 45-80, 1	16247	0	0	2828	313	60	28	-1.8%	Dom.
WM	HSgFOBT 45-85, 1	16986	0	0	2914	314	60	28	-1.6%	Dom.
WM	SIG 55-75, 10	0	2202	0	1382	198	45	20	0%	6.6
WM	SIG 55-80, 10	0	2202	0	1382	198	45	20	0%	6.6
WM	SIG 55-85, 10	0	2444	0	1464	200	45	20	-9.9%	Dom.
WM	SIG 50-75, 10	0	2423	0	1468	222	47	21	0%	3.6

WM	SIG 50-80, 10	0	2805	0	1608	228	49	22	-4.1%	Dom.
WM	SIG 50-85, 10	0	2805	0	1608	228	49	22	-4.1%	Dom.
WM	SIG 45-75, 10	0	3112	0	1711	248	51	22	0%	9.3
WM	SIG 45-80, 10	0	3112	0	1711	248	51	22	0%	9.3
WM	SIG 45-85, 10	0	3352	0	1791	250	52	23	-1.3%	58.5*
WM	SIG 55-75, 5	0	3211	0	1703	218	50	22	-12.1%	Dom.
WM	SIG 55-80, 5	0	3516	0	1791	220	51	22	-13.1%	Dom.
WM	SIG 55-85, 5	0	3705	0	1841	220	51	23	-13.9%	Dom.
WM	SIG 50-75, 5	0	3968	0	1957	250	55	24	-4.7%	Dom.
WM	SIG 50-80, 5	0	4270	0	2044	252	56	24	-5.7%	Dom.
WM	SIG 50-85, 5	0	4458	0	2093	253	56	24	-6.4%	Dom.
WM	SIG 45-75, 5	0	4760	0	2185	275	58	25	0%	17.7
WM	SIG 45-80, 5	0	5061	0	2271	277	59	25	0%	42.4
WM	SIG 45-85, 5	0	5248	0	2320	278	59	25	0%	99.2
WM	CTC 55-75, 10	0	0	2170	1533	232	51	23	0%	6.3
WM	CTC 55-80, 10	0	0	2170	1533	232	51	23	0%	6.3
WM	CTC 55-85, 10	0	0	2397	1626	234	52	24	-10.4%	Dom.
WM	CTC 50-75, 10	0	0	2397	1605	259	53	24	0%	2.7
WM	CTC 50-80, 10	0	0	2762	1763	265	56	25	-4.3%	Dom.
WM	CTC 50-85, 10	0	0	2762	1763	265	56	25	-4.3%	Dom.
WM	CTC 45-75, 10	0	0	3077	1854	287	58	26	0%	8.8
WM	CTC 45-80, 10	0	0	3077	1854	287	58	26	0%	8.8
WM	CTC 45-85, 10	0	0	3303	1946	288	58	26	-1.2%	61.6*
WM	CTC 55-75, 5	0	0	3152	1840	250	56	25	-12.4%	Dom.
WM	CTC 55-80, 5	0	0	3441	1932	252	57	25	-13.4%	Dom.
WM	CTC 55-85, 5	0	0	3618	1984	253	57	25	-14.1%	Dom.
WM	CTC 50-75, 5	0	0	3913	2086	285	61	26	-4.8%	Dom.
WM	CTC 50-80, 5	0	0	4201	2177	287	62	27	-5.7%	Dom.
WM	CTC 50-85, 5	0	0	4377	2229	288	62	27	-6.4%	Dom.
WM	CTC 45-75, 5	0	0	4713	2303	312	64	27	0%	18.2
WM	CTC 45-80, 5	0	0	5001	2393	314	65	28	0%	43.9
WM	CTC 45-85, 5	0	0	5177	2444	314	65	28	0%	103.5

SimCRC - Scenario 2: Increased CRC risk

WM	No screening	0	0	0	162	0	0	0	-	-
WM	COL 55-75, 15	0	0	0	3659	517	117	52	0%	6.8
WM	COL 55-80, 15	0	0	0	3659	517	117	52	0%	6.8
WM	COL 55-85, 15	0	0	0	3820	519	118	53	-4.7%	Dom.
WM	COL 50-75, 15	0	0	0	3964	566	120	53	0%	6.2
WM	COL 50-80, 15	0	0	0	4301	577	124	55	-2.0%	31.9*
WM	COL 50-85, 15	0	0	0	4301	577	124	55	-2.0%	31.9*
WM	COL 45-75, 15	0	0	0	4744	617	129	57	0%	15.2
WM	COL 45-80, 15	0	0	0	4744	617	129	57	0%	15.2
WM	COL 45-85, 15	0	0	0	4744	617	129	57	0%	15.2
WM	COL 55-75, 10	0	0	0	4197	539	124	55	-7.2%	Dom.
WM	COL 55-80, 10	0	0	0	4197	539	124	55	-7.2%	Dom.
WM	COL 55-85, 10	0	0	0	4310	540	124	55	-8.2%	Dom.

WM	COL 50-75, 10	0	0	0	4712	600	130	57	-2.4%	Dom.
WM	COL 50-80, 10	0	0	0	4946	605	132	58	-3.4%	Dom.
WM	COL 50-85, 10	0	0	0	4946	605	132	58	-3.4%	Dom.
WM	COL 45-75, 10	0	0	0	5513	650	137	59	0%	23.5
WM	COL 45-80, 10	0	0	0	5513	650	137	59	0%	23.5
WM	COL 45-85, 10	0	0	0	5627	651	137	59	-0.1%	148.3*
WM	COL 55-75, 5	0	0	0	5143	554	128	56	-12.6%	Dom.
WM	COL 55-80, 5	0	0	0	5294	555	129	56	-13.3%	Dom.
WM	COL 55-85, 5	0	0	0	5371	556	129	56	-13.7%	Dom.
WM	COL 50-75, 5	0	0	0	6186	623	137	59	-5.5%	Dom.
WM	COL 50-80, 5	0	0	0	6337	624	138	59	-5.6%	Dom.
WM	COL 50-85, 5	0	0	0	6414	624	138	59	-5.7%	Dom.
WM	COL 45-75, 5	0	0	0	7244	672	143	61	0%	79.1
WM	COL 45-80, 5	0	0	0	7395	673	144	61	0%	152.6
WM	COL 45-85, 5	0	0	0	7472	673	144	61	0%	427.6
WM	FIT 55-75, 3	4854	0	0	1363	409	69	39	0%	2.9
WM	FIT 55-80, 3	5553	0	0	1508	435	74	44	-3.4%	Dom.
WM	FIT 55-85, 3	5920	0	0	1579	442	74	46	-6.1%	Dom.
WM	FIT 50-75, 3	6326	0	0	1597	475	78	44	0%	3.5
WM	FIT 50-80, 3	6911	0	0	1717	495	82	47	-2.1%	Dom.
WM	FIT 50-85, 3	7171	0	0	1764	499	82	48	-3.5%	Dom.
WM	FIT 45-75, 3	7768	0	0	1784	522	84	46	0%	4.0
WM	FIT 45-80, 3	8180	0	0	1862	536	86	49	0%	5.7
WM	FIT 45-85, 3	8607	0	0	1942	544	87	50	-0.4%	10.2*
WM	FIT 55-75, 2	6779	0	0	1708	465	84	46	-7.7%	Dom.
WM	FIT 55-80, 2	7355	0	0	1810	478	87	48	-9.3%	Dom.
WM	FIT 55-85, 2	7886	0	0	1895	484	88	50	-10.4%	Dom.
WM	FIT 50-75, 2	8440	0	0	1928	523	92	48	-4.0%	Dom.
WM	FIT 50-80, 2	9295	0	0	2075	542	96	52	-3.7%	Dom.
WM	FIT 50-85, 2	9644	0	0	2130	545	97	52	-4.3%	Dom.
WM	FIT 45-75, 2	10548	0	0	2172	575	99	51	0.0%	7.9*
WM	FIT 45-80, 2	11113	0	0	2270	588	101	53	0%	7.8
WM	FIT 45-85, 2	11637	0	0	2352	593	102	55	0%	14.6
WM	FIT 55-75, 1	10764	0	0	2237	510	102	50	-12.6%	Dom.
WM	FIT 55-80, 1	11803	0	0	2372	521	106	53	-12.4%	Dom.
WM	FIT 55-85, 1	12420	0	0	2443	524	107	53	-12.6%	Dom.
WM	FIT 50-75, 1	13806	0	0	2573	576	112	54	-5.2%	Dom.
WM	FIT 50-80, 1	14834	0	0	2704	586	115	56	-4.8%	Dom.
WM	FIT 50-85, 1	15447	0	0	2775	589	116	56	-5.1%	Dom.
WM	FIT 45-75, 1	17055	0	0	2867	625	118	56	-0.3%	16.3*
WM	FIT 45-80, 1	18077	0	0	2997	635	121	58	0%	15.4
WM	FIT 45-85, 1	18687	0	0	3067	638	122	58	0%	26.9
WM	FIT-DNA 55-75, 5	3232	0	0	1799	443	83	44	-15.6%	Dom.
WM	FIT-DNA 55-80, 5	3498	0	0	1898	453	85	46	-16.2%	Dom.
WM	FIT-DNA 55-85, 5	3650	0	0	1950	455	85	47	-16.8%	Dom.
WM	FIT-DNA 50-75, 5	4004	0	0	2053	502	91	47	-10.4%	Dom.

WM	FIT-DNA 50-80, 5	4267	0	0	2149	511	93	49	-10.7%	Dom.
WM	FIT-DNA 50-85, 5	4417	0	0	2201	514	93	50	-11.3%	Dom.
WM	FIT-DNA 45-75, 5	4814	0	0	2272	544	96	49	-7.4%	Dom.
WM	FIT-DNA 45-80, 5	5076	0	0	2368	554	99	51	-6.9%	Dom.
WM	FIT-DNA 45-85, 5	5225	0	0	2419	556	99	52	-7.0%	Dom.
WM	FIT-DNA 55-75, 3	4161	0	0	2112	486	95	48	-14.4%	Dom.
WM	FIT-DNA 55-80, 3	4655	0	0	2278	502	100	51	-14.7%	Dom.
WM	FIT-DNA 55-85, 3	4876	0	0	2345	505	100	51	-14.9%	Dom.
WM	FIT-DNA 50-75, 3	5367	0	0	2475	554	105	52	-7.9%	Dom.
WM	FIT-DNA 50-80, 3	5732	0	0	2595	565	108	54	-7.3%	Dom.
WM	FIT-DNA 50-85, 3	5965	0	0	2662	568	109	54	-7.4%	Dom.
WM	FIT-DNA 45-75, 3	6500	0	0	2753	599	111	53	-3.3%	Dom.
WM	FIT-DNA 45-80, 3	6884	0	0	2873	611	114	55	-2.7%	Dom.
WM	FIT-DNA 45-85, 3	7150	0	0	2953	614	115	56	-2.9%	Dom.
WM	FIT-DNA 55-75, 1	7459	0	0	2977	530	115	53	-16.3%	Dom.
WM	FIT-DNA 55-80, 1	8054	0	0	3115	537	118	54	-15.9%	Dom.
WM	FIT-DNA 55-85, 1	8405	0	0	3188	538	118	55	-15.8%	Dom.
WM	FIT-DNA 50-75, 1	9487	0	0	3443	596	124	56	-7.3%	Dom.
WM	FIT-DNA 50-80, 1	10092	0	0	3582	602	126	57	-6.6%	Dom.
WM	FIT-DNA 50-85, 1	10440	0	0	3654	604	127	57	-6.5%	Dom.
WM	FIT-DNA 45-75, 1	11686	0	0	3874	644	129	58	-0.8%	141.4*
WM	FIT-DNA 45-80, 1	12284	0	0	4011	650	132	59	-0.1%	78.7*
WM	FIT-DNA 45-85, 1	12631	0	0	4082	651	133	59	0%	75.8
WM	HSgFOBT 55-75, 3	4602	0	0	1590	408	71	40	-13.9%	Dom.
WM	HSgFOBT 55-80, 3	5231	0	0	1743	431	76	44	-15.7%	Dom.
WM	HSgFOBT 55-85, 3	5537	0	0	1812	437	76	45	-17.1%	Dom.
WM	HSgFOBT 50-75, 3	5943	0	0	1894	475	81	44	-12.0%	Dom.
WM	HSgFOBT 50-80, 3	6430	0	0	2012	492	84	47	-11.4%	Dom.
WM	HSgFOBT 50-85, 3	6700	0	0	2068	496	85	48	-11.7%	Dom.
WM	HSgFOBT 45-75, 3	7199	0	0	2136	521	87	46	-8.8%	Dom.
WM	HSgFOBT 45-80, 3	7632	0	0	2232	534	90	49	-8.3%	Dom.
WM	HSgFOBT 45-85, 3	7995	0	0	2312	541	91	50	-8.4%	Dom.
WM	HSgFOBT 55-75, 2	6185	0	0	1986	463	86	46	-16.0%	Dom.
WM	HSgFOBT 55-80, 2	6683	0	0	2093	475	89	48	-15.9%	Dom.
WM	HSgFOBT 55-85, 2	7136	0	0	2182	481	90	49	-16.6%	Dom.
WM	HSgFOBT 50-75, 2	7629	0	0	2283	523	95	48	-11.2%	Dom.
WM	HSgFOBT 50-80, 2	8363	0	0	2438	540	99	52	-9.9%	Dom.
WM	HSgFOBT 50-85, 2	8660	0	0	2495	543	99	52	-9.9%	Dom.
WM	HSgFOBT 45-75, 2	9457	0	0	2609	575	102	51	-5.7%	Dom.
WM	HSgFOBT 45-80, 2	9942	0	0	2711	587	105	53	-4.9%	Dom.
WM	HSgFOBT 45-85, 2	10387	0	0	2797	592	105	55	-4.9%	Dom.
WM	HSgFOBT 55-75, 1	9034	0	0	2581	509	104	51	-16.3%	Dom.
WM	HSgFOBT 55-80, 1	9834	0	0	2722	519	107	53	-16.0%	Dom.
WM	HSgFOBT 55-85, 1	10306	0	0	2796	521	108	53	-16.3%	Dom.
WM	HSgFOBT 50-75, 1	11408	0	0	3008	575	114	54	-9.5%	Dom.
WM	HSgFOBT 50-80, 1	12203	0	0	3146	584	117	56	-8.5%	Dom.

WM	HSgFOBT 50-85, 1	12672	0	0	3219	587	117	56	-8.3%	Dom.
WM	HSgFOBT 45-75, 1	13946	0	0	3397	624	120	56	-2.8%	Dom.
WM	HSgFOBT 45-80, 1	14735	0	0	3533	633	123	58	-1.7%	Dom.
WM	HSgFOBT 45-85, 1	15201	0	0	3606	636	123	58	-1.5%	Dom.
WM	SIG 55-75, 10	0	2028	0	2134	459	102	47	0%	4.3
WM	SIG 55-80, 10	0	2028	0	2134	459	102	47	0%	4.3
WM	SIG 55-85, 10	0	2189	0	2222	462	103	48	-7.1%	Dom.
WM	SIG 50-75, 10	0	2281	0	2250	504	106	47	0%	2.6
WM	SIG 50-80, 10	0	2562	0	2424	516	110	50	-3.1%	Dom.
WM	SIG 50-85, 10	0	2562	0	2424	516	110	50	-3.1%	Dom.
WM	SIG 45-75, 10	0	2903	0	2557	554	114	51	0%	6.2
WM	SIG 45-80, 10	0	2903	0	2557	554	114	51	0%	6.2
WM	SIG 45-85, 10	0	3063	0	2644	557	115	52	-0.8%	33.7*
WM	SIG 55-75, 5	0	2850	0	2500	493	112	50	-9.5%	Dom.
WM	SIG 55-80, 5	0	3052	0	2592	497	114	51	-10.8%	Dom.
WM	SIG 55-85, 5	0	3165	0	2637	498	114	51	-11.3%	Dom.
WM	SIG 50-75, 5	0	3561	0	2817	555	120	53	-3.7%	Dom.
WM	SIG 50-80, 5	0	3761	0	2908	558	122	54	-4.3%	Dom.
WM	SIG 50-85, 5	0	3873	0	2952	559	122	54	-4.8%	Dom.
WM	SIG 45-75, 5	0	4319	0	3091	599	125	55	0%	11.9
WM	SIG 45-80, 5	0	4518	0	3181	603	127	56	0%	23.3
WM	SIG 45-85, 5	0	4630	0	3225	604	128	56	0%	55.9
WM	CTC 55-75, 10	0	0	2006	2239	485	107	49	0%	4.3
WM	CTC 55-80, 10	0	0	2006	2239	485	107	49	0%	4.3
WM	CTC 55-85, 10	0	0	2158	2338	488	108	50	-8.3%	Dom.
WM	CTC 50-75, 10	0	0	2264	2335	532	110	50	0%	2.1
WM	CTC 50-80, 10	0	0	2535	2528	544	115	53	-3.5%	Dom.
WM	CTC 50-85, 10	0	0	2535	2528	544	115	53	-3.5%	Dom.
WM	CTC 45-75, 10	0	0	2882	2648	583	118	54	0%	6.1
WM	CTC 45-80, 10	0	0	2882	2648	583	118	54	0%	6.1
WM	CTC 45-85, 10	0	0	3033	2746	586	119	54	-1.1%	37.0*
WM	CTC 55-75, 5	0	0	2813	2596	521	117	52	-9.3%	Dom.
WM	CTC 55-80, 5	0	0	3005	2694	525	119	53	-10.6%	Dom.
WM	CTC 55-85, 5	0	0	3109	2740	526	119	54	-11.2%	Dom.
WM	CTC 50-75, 5	0	0	3530	2905	585	125	55	-3.7%	Dom.
WM	CTC 50-80, 5	0	0	3720	3001	589	127	56	-4.4%	Dom.
WM	CTC 50-85, 5	0	0	3824	3048	590	127	57	-5.0%	Dom.
WM	CTC 45-75, 5	0	0	4299	3164	632	130	57	0%	10.6
WM	CTC 45-80, 5	0	0	4490	3260	636	132	58	0%	24.4
WM	CTC 45-85, 5	0	0	4593	3307	637	132	58	0%	60.8

Abbreviations: COL = colonoscopy; CRC = colorectal cancer; CTC = computed tomographic colonography; Dom. = dominated strategy; ER = efficiency ratio; FIT = fecal immunochemical test; FIT-DNA = multitarget stool DNA test; HSgFOBT = high-sensitivity guaiac-based fecal occult blood test; LYG = life-years gained; SIG = flexible sigmoidoscopy; WM = white male.

^a Both models evaluated two scenarios for CRC risk: one in which age-specific risks were assumed to have remained stable since the early screening period in the U.S. (1975-1979 for SimCRC; 1990-1994 for MISCAN), and one in which risks were assumed to have increased proportional to observed trends among adults under age 40 years. Strategies for each model and scenario are ordered successively by screening modality, interval (↓), end age (↑), and start age (↓).

^b Total number of colonoscopies performed per 1000 40-year-olds, including diagnostic colonoscopies and potential surveillance colonoscopies after adenoma removal. The number of screening-related complications ranged from 4.9 to 33.5 per 1000 40-year-olds across models, scenarios, and strategies.

^c Including deaths from complications of screening.

^d The difference in LYG compared to (combinations of) adjacent strategies on the efficient frontier. Near-efficient strategies have a loss in LYG of less than 2% before rounding. For the least intensive screening strategy evaluated within each class of screening modality, the difference was zero by definition.

^e Efficiency ratio = incremental number of colonoscopies/LYG with respect to the next less effective strategy on the efficient frontier, a burden-to-benefit ratio. Only calculated for efficient and near-efficient strategies (marked with an asterisk*), i.e. strategies within 2% from the efficient frontier among all evaluated strategies within a class of screening modalities (colonoscopy, stool-based, sigmoidoscopy, and CTC).

Supplementary Table 6. Lifetime Number of Colonoscopies and LYG for All Evaluated Screening Strategies under Two Scenarios for CRC Risk, by Model, in Black Males ^a

Sub-group	Modality, and age to begin-end screening, interval, y	Outcomes per 1000 40-year-olds							Relative distance from efficient frontier ^d	ER ^e
		Stool tests	SIGs	CTCs	COLs ^b	LYG	CRC cases averted	CRC deaths averted ^c		
MISCAN - Scenario 1: Stable CRC risk										
BM	No screening	0	0	0	62	0	0	0	-	-
BM	COL 55-75, 15	0	0	0	2812	210	33	21	0%	13.1
BM	COL 55-80, 15	0	0	0	2812	210	33	21	0%	13.1
BM	COL 55-85, 15	0	0	0	2975	211	33	21	-4.4%	Dom.
BM	COL 50-75, 15	0	0	0	3160	233	35	22	0%	15.7
BM	COL 50-80, 15	0	0	0	3438	235	36	22	-1.7%	93.1*
BM	COL 50-85, 15	0	0	0	3438	235	36	22	-1.7%	93.1*
BM	COL 45-75, 15	0	0	0	3839	249	37	23	-0.3%	190.8*
BM	COL 45-80, 15	0	0	0	3839	249	37	23	-0.3%	190.8*
BM	COL 45-85, 15	0	0	0	3839	249	37	23	-0.3%	190.8*
BM	COL 55-75, 10	0	0	0	3306	220	35	22	-6.7%	Dom.
BM	COL 55-80, 10	0	0	0	3306	220	35	22	-6.7%	Dom.
BM	COL 55-85, 10	0	0	0	3454	221	35	22	-8.1%	Dom.
BM	COL 50-75, 10	0	0	0	3791	248	38	23	0%	40.0
BM	COL 50-80, 10	0	0	0	4040	250	38	23	-1.7%	157.8*
BM	COL 50-85, 10	0	0	0	4040	250	38	23	-1.7%	157.8*
BM	COL 45-75, 10	0	0	0	4561	266	40	24	0%	42.9
BM	COL 45-80, 10	0	0	0	4561	266	40	24	0%	42.9
BM	COL 45-85, 10	0	0	0	4710	267	40	24	-0.4%	526.0*
BM	COL 55-75, 5	0	0	0	4335	231	37	23	-11.7%	Dom.
BM	COL 55-80, 5	0	0	0	4559	231	38	23	-13.2%	Dom.
BM	COL 55-85, 5	0	0	0	4697	231	38	23	-13.6%	Dom.
BM	COL 50-75, 5	0	0	0	5342	263	41	24	-4.0%	Dom.
BM	COL 50-80, 5	0	0	0	5566	263	41	24	-4.5%	Dom.
BM	COL 50-85, 5	0	0	0	5704	263	41	24	-5.0%	Dom.
BM	COL 45-75, 5	0	0	0	6375	284	43	25	0%	104.0
BM	COL 45-80, 5	0	0	0	6599	284	43	25	0%	476.0
BM	COL 45-85, 5	0	0	0	6737	284	43	25	0%	2032.9
BM	FIT 55-75, 3	4690	0	0	792	152	14	15	0%	4.8
BM	FIT 55-80, 3	5382	0	0	855	160	14	16	-0.7%	7.5*
BM	FIT 55-85, 3	5801	0	0	888	162	14	17	-2.3%	Dom.
BM	FIT 50-75, 3	6157	0	0	958	177	16	16	0%	6.6
BM	FIT 50-80, 3	6795	0	0	1014	183	17	18	0%	8.2
BM	FIT 50-85, 3	7013	0	0	1030	185	16	18	-0.5%	14.8*
BM	FIT 45-75, 3	7675	0	0	1102	194	18	18	-0.1%	8.5*
BM	FIT 45-80, 3	8003	0	0	1129	197	18	18	0%	8.3
BM	FIT 45-85, 3	8459	0	0	1164	200	18	19	-0.3%	13.1*

BM	FIT 55-75, 2	6739	0	0	1009	176	18	17	-3.7%	Dom.
BM	FIT 55-80, 2	7350	0	0	1055	181	19	18	-4.1%	Dom.
BM	FIT 55-85, 2	7951	0	0	1096	183	19	19	-5.3%	Dom.
BM	FIT 50-75, 2	8439	0	0	1190	201	21	19	-1.0%	17.2*
BM	FIT 50-80, 2	9346	0	0	1256	208	21	20	-0.7%	12.3*
BM	FIT 50-85, 2	9742	0	0	1282	209	21	20	-1.2%	13.1*
BM	FIT 45-75, 2	10595	0	0	1375	220	23	20	-0.1%	10.9*
BM	FIT 45-80, 2	11194	0	0	1418	224	23	20	0%	10.8
BM	FIT 45-85, 2	11786	0	0	1457	226	23	21	0.0%	18.7*
BM	FIT 55-75, 1	11061	0	0	1384	202	25	20	-8.5%	Dom.
BM	FIT 55-80, 1	12282	0	0	1456	207	26	21	-8.7%	Dom.
BM	FIT 55-85, 1	13078	0	0	1498	208	26	21	-9.1%	Dom.
BM	FIT 50-75, 1	14208	0	0	1662	232	28	21	-2.5%	Dom.
BM	FIT 50-80, 1	15415	0	0	1731	236	29	22	-2.3%	Dom.
BM	FIT 50-85, 1	16204	0	0	1772	237	29	22	-2.7%	Dom.
BM	FIT 45-75, 1	17548	0	0	1912	251	30	22	-0.2%	18.1*
BM	FIT 45-80, 1	18746	0	0	1980	256	31	23	0%	17.8
BM	FIT 45-85, 1	19532	0	0	2021	257	31	23	0%	34.8
BM	FIT-DNA 55-75, 5	3159	0	0	1117	168	19	17	-14.1%	Dom.
BM	FIT-DNA 55-80, 5	3432	0	0	1166	172	19	17	-14.5%	Dom.
BM	FIT-DNA 55-85, 5	3599	0	0	1194	172	18	18	-15.2%	Dom.
BM	FIT-DNA 50-75, 5	3944	0	0	1324	192	21	18	-11.1%	Dom.
BM	FIT-DNA 50-80, 5	4214	0	0	1372	195	21	19	-11.4%	Dom.
BM	FIT-DNA 50-85, 5	4380	0	0	1399	196	21	19	-12.0%	Dom.
BM	FIT-DNA 45-75, 5	4769	0	0	1507	207	22	19	-9.5%	Dom.
BM	FIT-DNA 45-80, 5	5037	0	0	1554	211	22	20	-9.1%	Dom.
BM	FIT-DNA 45-85, 5	5202	0	0	1580	211	22	20	-9.4%	Dom.
BM	FIT-DNA 55-75, 3	4027	0	0	1334	187	23	18	-13.7%	Dom.
BM	FIT-DNA 55-80, 3	4567	0	0	1426	193	24	19	-14.1%	Dom.
BM	FIT-DNA 55-85, 3	4890	0	0	1474	195	24	20	-14.4%	Dom.
BM	FIT-DNA 50-75, 3	5231	0	0	1622	216	26	20	-8.4%	Dom.
BM	FIT-DNA 50-80, 3	5725	0	0	1702	221	26	21	-8.0%	Dom.
BM	FIT-DNA 50-85, 3	5893	0	0	1726	222	26	21	-8.2%	Dom.
BM	FIT-DNA 45-75, 3	6482	0	0	1879	234	28	21	-6.2%	Dom.
BM	FIT-DNA 45-80, 3	6736	0	0	1919	237	28	21	-6.1%	Dom.
BM	FIT-DNA 45-85, 3	7088	0	0	1971	239	28	22	-6.4%	Dom.
BM	FIT-DNA 55-75, 1	7811	0	0	2060	216	32	21	-15.9%	Dom.
BM	FIT-DNA 55-80, 1	8558	0	0	2158	219	32	22	-15.2%	Dom.
BM	FIT-DNA 55-85, 1	9055	0	0	2219	220	32	22	-15.2%	Dom.
BM	FIT-DNA 50-75, 1	9890	0	0	2483	247	35	23	-6.0%	Dom.
BM	FIT-DNA 50-80, 1	10646	0	0	2581	249	35	23	-5.4%	Dom.
BM	FIT-DNA 50-85, 1	11137	0	0	2641	250	35	23	-5.4%	Dom.
BM	FIT-DNA 45-75, 1	12136	0	0	2879	266	36	23	-0.5%	96.4*
BM	FIT-DNA 45-80, 1	12883	0	0	2975	268	37	24	0%	83.5
BM	FIT-DNA 45-85, 1	13372	0	0	3034	269	37	24	0%	96.8
BM	HSgFOBT 55-75, 3	4408	0	0	982	149	15	15	-17.0%	Dom.

BM	HSgFOBT 55-80, 3	5034	0	0	1064	157	15	16	-17.2%	Dom.
BM	HSgFOBT 55-85, 3	5409	0	0	1108	159	14	17	-18.4%	Dom.
BM	HSgFOBT 50-75, 3	5731	0	0	1219	175	17	16	-14.8%	Dom.
BM	HSgFOBT 50-80, 3	6303	0	0	1291	181	17	18	-14.5%	Dom.
BM	HSgFOBT 50-85, 3	6498	0	0	1313	183	17	18	-14.9%	Dom.
BM	HSgFOBT 45-75, 3	7092	0	0	1435	193	19	18	-14.3%	Dom.
BM	HSgFOBT 45-80, 3	7385	0	0	1471	196	19	18	-13.7%	Dom.
BM	HSgFOBT 45-85, 3	7790	0	0	1517	198	19	19	-13.6%	Dom.
BM	HSgFOBT 55-75, 2	6149	0	0	1269	174	19	17	-17.1%	Dom.
BM	HSgFOBT 55-80, 2	6675	0	0	1331	179	19	18	-17.3%	Dom.
BM	HSgFOBT 55-85, 2	7188	0	0	1386	181	19	19	-18.3%	Dom.
BM	HSgFOBT 50-75, 2	7625	0	0	1532	200	22	19	-13.2%	Dom.
BM	HSgFOBT 50-80, 2	8400	0	0	1620	206	22	20	-12.5%	Dom.
BM	HSgFOBT 50-85, 2	8736	0	0	1655	207	22	20	-12.7%	Dom.
BM	HSgFOBT 45-75, 2	9484	0	0	1811	220	24	20	-10.5%	Dom.
BM	HSgFOBT 45-80, 2	9994	0	0	1868	224	24	21	-10.1%	Dom.
BM	HSgFOBT 45-85, 2	10494	0	0	1920	226	24	21	-10.5%	Dom.
BM	HSgFOBT 55-75, 1	9232	0	0	1745	201	26	20	-16.9%	Dom.
BM	HSgFOBT 55-80, 1	10152	0	0	1838	205	27	21	-17.2%	Dom.
BM	HSgFOBT 55-85, 1	10751	0	0	1894	206	27	21	-17.8%	Dom.
BM	HSgFOBT 50-75, 1	11660	0	0	2128	231	29	21	-10.4%	Dom.
BM	HSgFOBT 50-80, 1	12572	0	0	2218	235	30	22	-9.4%	Dom.
BM	HSgFOBT 50-85, 1	13164	0	0	2273	236	30	22	-9.3%	Dom.
BM	HSgFOBT 45-75, 1	14234	0	0	2485	251	31	22	-4.4%	Dom.
BM	HSgFOBT 45-80, 1	15137	0	0	2574	254	32	23	-3.5%	Dom.
BM	HSgFOBT 45-85, 1	15726	0	0	2628	255	32	23	-3.4%	Dom.
BM	SIG 55-75, 10	0	1917	0	1540	175	28	18	0%	8.5
BM	SIG 55-80, 10	0	1917	0	1540	175	28	18	0%	8.5
BM	SIG 55-85, 10	0	2084	0	1577	175	28	18	-2.0%	Dom.
BM	SIG 50-75, 10	0	2171	0	1716	194	29	18	0%	9.0
BM	SIG 50-80, 10	0	2441	0	1789	197	30	19	-0.9%	29.9*
BM	SIG 50-85, 10	0	2441	0	1789	197	30	19	-0.9%	29.9*
BM	SIG 45-75, 10	0	2778	0	1946	207	31	19	-0.1%	17.7*
BM	SIG 45-80, 10	0	2778	0	1946	207	31	19	-0.1%	17.7*
BM	SIG 45-85, 10	0	2943	0	1982	208	31	19	-0.9%	19.7*
BM	SIG 55-75, 5	0	2748	0	1782	190	30	19	-4.2%	Dom.
BM	SIG 55-80, 5	0	2971	0	1828	191	31	19	-5.0%	Dom.
BM	SIG 55-85, 5	0	3108	0	1852	191	31	19	-5.5%	Dom.
BM	SIG 50-75, 5	0	3439	0	2084	215	33	20	-0.3%	17.8*
BM	SIG 50-80, 5	0	3660	0	2129	216	33	21	-1.0%	19.1*
BM	SIG 50-85, 5	0	3797	0	2153	216	33	21	-1.6%	20.0*
BM	SIG 45-75, 5	0	4188	0	2343	230	34	21	0%	17.3
BM	SIG 45-80, 5	0	4409	0	2388	231	35	21	0%	47.3
BM	SIG 45-85, 5	0	4545	0	2412	231	35	21	0%	132.3
BM	CTC 55-75, 10	0	0	2014	1155	170	23	17	-0.3%	6.4
BM	CTC 55-80, 10	0	0	2014	1155	170	23	17	-0.3%	6.4

BM	CTC 55-85, 10	0	0	2200	1199	172	23	18	-3.2%	Dom.
BM	CTC 50-75, 10	0	0	2277	1258	187	24	17	0%	6.2
BM	CTC 50-80, 10	0	0	2579	1336	193	25	19	-0.8%	12.7*
BM	CTC 50-85, 10	0	0	2579	1336	193	25	19	-0.8%	12.7*
BM	CTC 45-75, 10	0	0	2925	1434	201	26	19	-1.8%	12.9*
BM	CTC 45-80, 10	0	0	2925	1434	201	26	19	-1.8%	12.9*
BM	CTC 45-85, 10	0	0	3110	1477	202	26	19	-3.1%	Dom.
BM	CTC 55-75, 5	0	0	2976	1426	200	29	20	-1.8%	12.9*
BM	CTC 55-80, 5	0	0	3227	1477	203	29	20	-2.9%	Dom.
BM	CTC 55-85, 5	0	0	3381	1506	203	29	20	-3.9%	Dom.
BM	CTC 50-75, 5	0	0	3733	1659	227	31	21	0%	10.1
BM	CTC 50-80, 5	0	0	3983	1709	229	32	22	-0.7%	19.9*
BM	CTC 50-85, 5	0	0	4135	1737	230	32	22	-1.4%	25.1*
BM	CTC 45-75, 5	0	0	4538	1860	243	32	22	0%	12.0
BM	CTC 45-80, 5	0	0	4786	1910	246	33	22	0%	19.6
BM	CTC 45-85, 5	0	0	4938	1937	246	33	22	0%	48.3

MISCAN - Scenario 2: Increased CRC risk

BM	No screening	0	0	0	88	0	0	0	-	-
BM	COL 55-75, 15	0	0	0	3256	298	48	30	0%	10.6
BM	COL 55-80, 15	0	0	0	3256	298	48	30	0%	10.6
BM	COL 55-85, 15	0	0	0	3372	299	48	30	-2.5%	Dom.
BM	COL 50-75, 15	0	0	0	3693	329	51	31	0%	13.9
BM	COL 50-80, 15	0	0	0	3904	333	52	32	-1.2%	55.6*
BM	COL 50-85, 15	0	0	0	3904	333	52	32	-1.2%	55.6*
BM	COL 45-75, 15	0	0	0	4359	351	53	32	-0.7%	95.4*
BM	COL 45-80, 15	0	0	0	4359	351	53	32	-0.7%	95.4*
BM	COL 45-85, 15	0	0	0	4359	351	53	32	-0.7%	95.4*
BM	COL 55-75, 10	0	0	0	3664	311	51	31	-5.0%	Dom.
BM	COL 55-80, 10	0	0	0	3664	311	51	31	-5.0%	Dom.
BM	COL 55-85, 10	0	0	0	3762	311	51	31	-6.3%	Dom.
BM	COL 50-75, 10	0	0	0	4243	350	55	33	0%	26.4
BM	COL 50-80, 10	0	0	0	4419	352	55	33	-1.1%	92.8*
BM	COL 50-85, 10	0	0	0	4419	352	55	33	-1.1%	92.8*
BM	COL 45-75, 10	0	0	0	5010	375	57	34	0%	30.1
BM	COL 45-80, 10	0	0	0	5010	375	57	34	0%	30.1
BM	COL 45-85, 10	0	0	0	5108	376	57	34	-0.3%	297.7*
BM	COL 55-75, 5	0	0	0	4459	324	54	32	-9.4%	Dom.
BM	COL 55-80, 5	0	0	0	4604	324	54	32	-10.4%	Dom.
BM	COL 55-85, 5	0	0	0	4691	324	54	32	-11.1%	Dom.
BM	COL 50-75, 5	0	0	0	5467	369	58	35	-3.5%	Dom.
BM	COL 50-80, 5	0	0	0	5612	370	59	35	-4.0%	Dom.
BM	COL 50-85, 5	0	0	0	5698	370	59	35	-4.3%	Dom.
BM	COL 45-75, 5	0	0	0	6499	399	61	36	0%	63.6
BM	COL 45-80, 5	0	0	0	6645	399	61	36	0%	273.3
BM	COL 45-85, 5	0	0	0	6731	400	61	36	0%	992.8
BM	FIT 55-75, 3	4520	0	0	1040	209	21	21	0%	4.6

BM	FIT 55-80, 3	5130	0	0	1115	220	21	23	-0.3%	6.5*
BM	FIT 55-85, 3	5482	0	0	1152	223	21	24	-1.6%	7.7*
BM	FIT 50-75, 3	5928	0	0	1250	242	24	23	0%	6.2
BM	FIT 50-80, 3	6482	0	0	1314	252	24	25	0%	6.9
BM	FIT 50-85, 3	6665	0	0	1333	253	24	25	-0.4%	11.9*
BM	FIT 45-75, 3	7395	0	0	1428	267	26	25	-0.2%	7.6*
BM	FIT 45-80, 3	7679	0	0	1459	272	26	25	0%	7.3
BM	FIT 45-85, 3	8062	0	0	1498	275	26	26	-0.3%	10.7*
BM	FIT 55-75, 2	6392	0	0	1307	243	27	24	-3.1%	Dom.
BM	FIT 55-80, 2	6910	0	0	1359	249	27	26	-3.3%	Dom.
BM	FIT 55-85, 2	7400	0	0	1401	252	27	26	-4.4%	Dom.
BM	FIT 50-75, 2	8032	0	0	1534	278	30	26	-0.7%	11.5*
BM	FIT 50-80, 2	8796	0	0	1607	287	31	28	-0.4%	9.4*
BM	FIT 50-85, 2	9117	0	0	1634	289	31	28	-0.8%	10.0*
BM	FIT 45-75, 2	10094	0	0	1758	305	33	28	-0.2%	8.9*
BM	FIT 45-80, 2	10597	0	0	1806	311	33	29	0%	8.8
BM	FIT 45-85, 2	11076	0	0	1846	314	33	29	0.0%	14.5*
BM	FIT 55-75, 1	10282	0	0	1748	281	37	28	-7.6%	Dom.
BM	FIT 55-80, 1	11268	0	0	1820	287	38	29	-7.9%	Dom.
BM	FIT 55-85, 1	11884	0	0	1860	289	38	30	-8.2%	Dom.
BM	FIT 50-75, 1	13244	0	0	2085	323	41	30	-2.3%	Dom.
BM	FIT 50-80, 1	14210	0	0	2153	329	42	31	-2.0%	Dom.
BM	FIT 50-85, 1	14816	0	0	2191	331	42	32	-2.3%	Dom.
BM	FIT 45-75, 1	16433	0	0	2380	351	44	31	-0.3%	14.4*
BM	FIT 45-80, 1	17388	0	0	2446	357	45	32	0%	14.1
BM	FIT 45-85, 1	17990	0	0	2483	358	45	33	0%	23.7
BM	FIT-DNA 55-75, 5	3010	0	0	1420	233	27	24	-12.6%	Dom.
BM	FIT-DNA 55-80, 5	3239	0	0	1472	237	27	25	-13.0%	Dom.
BM	FIT-DNA 55-85, 5	3374	0	0	1499	239	27	25	-13.6%	Dom.
BM	FIT-DNA 50-75, 5	3759	0	0	1674	266	31	26	-10.2%	Dom.
BM	FIT-DNA 50-80, 5	3984	0	0	1724	270	31	27	-10.4%	Dom.
BM	FIT-DNA 50-85, 5	4116	0	0	1750	271	30	27	-10.9%	Dom.
BM	FIT-DNA 45-75, 5	4555	0	0	1892	287	33	27	-9.4%	Dom.
BM	FIT-DNA 45-80, 5	4777	0	0	1941	292	33	28	-9.0%	Dom.
BM	FIT-DNA 45-85, 5	4908	0	0	1967	293	33	28	-9.2%	Dom.
BM	FIT-DNA 55-75, 3	3819	0	0	1682	260	33	26	-12.3%	Dom.
BM	FIT-DNA 55-80, 3	4266	0	0	1775	269	35	27	-12.6%	Dom.
BM	FIT-DNA 55-85, 3	4519	0	0	1819	271	35	28	-13.3%	Dom.
BM	FIT-DNA 50-75, 3	4947	0	0	2026	300	38	28	-8.2%	Dom.
BM	FIT-DNA 50-80, 3	5348	0	0	2105	307	39	30	-7.8%	Dom.
BM	FIT-DNA 50-85, 3	5479	0	0	2128	308	39	30	-7.9%	Dom.
BM	FIT-DNA 45-75, 3	6134	0	0	2327	327	40	30	-6.1%	Dom.
BM	FIT-DNA 45-80, 3	6340	0	0	2366	330	41	30	-5.9%	Dom.
BM	FIT-DNA 45-85, 3	6615	0	0	2414	333	41	31	-6.1%	Dom.
BM	FIT-DNA 55-75, 1	7113	0	0	2475	304	46	30	-15.0%	Dom.
BM	FIT-DNA 55-80, 1	7674	0	0	2558	307	47	31	-14.5%	Dom.

BM	FIT-DNA 55-85, 1	8029	0	0	2605	308	47	31	-14.5%	Dom.
BM	FIT-DNA 50-75, 1	9026	0	0	2962	346	50	32	-5.6%	Dom.
BM	FIT-DNA 50-80, 1	9589	0	0	3043	350	51	33	-5.1%	Dom.
BM	FIT-DNA 50-85, 1	9937	0	0	3089	351	51	33	-5.1%	Dom.
BM	FIT-DNA 45-75, 1	11132	0	0	3406	374	53	34	-0.4%	59.4*
BM	FIT-DNA 45-80, 1	11687	0	0	3486	377	54	34	0%	53.7
BM	FIT-DNA 45-85, 1	12034	0	0	3532	378	54	34	0%	61.3
BM	HSgFOBT 55-75, 3	4269	0	0	1229	206	21	21	-14.0%	Dom.
BM	HSgFOBT 55-80, 3	4817	0	0	1318	216	22	23	-14.2%	Dom.
BM	HSgFOBT 55-85, 3	5131	0	0	1362	219	21	23	-15.2%	Dom.
BM	HSgFOBT 50-75, 3	5532	0	0	1517	241	25	23	-13.4%	Dom.
BM	HSgFOBT 50-80, 3	6024	0	0	1593	249	25	25	-13.1%	Dom.
BM	HSgFOBT 50-85, 3	6185	0	0	1615	251	25	25	-13.3%	Dom.
BM	HSgFOBT 45-75, 3	6836	0	0	1775	267	28	25	-13.2%	Dom.
BM	HSgFOBT 45-80, 3	7087	0	0	1812	271	28	26	-13.0%	Dom.
BM	HSgFOBT 45-85, 3	7424	0	0	1858	274	28	26	-12.8%	Dom.
BM	HSgFOBT 55-75, 2	5861	0	0	1565	241	28	24	-14.9%	Dom.
BM	HSgFOBT 55-80, 2	6302	0	0	1627	247	28	26	-15.1%	Dom.
BM	HSgFOBT 55-85, 2	6712	0	0	1678	250	28	26	-15.9%	Dom.
BM	HSgFOBT 50-75, 2	7271	0	0	1884	278	32	26	-12.2%	Dom.
BM	HSgFOBT 50-80, 2	7913	0	0	1971	286	33	28	-11.4%	Dom.
BM	HSgFOBT 50-85, 2	8179	0	0	2003	288	33	28	-11.5%	Dom.
BM	HSgFOBT 45-75, 2	9028	0	0	2209	307	35	28	-9.8%	Dom.
BM	HSgFOBT 45-80, 2	9447	0	0	2266	312	36	29	-9.4%	Dom.
BM	HSgFOBT 45-85, 2	9842	0	0	2313	314	35	30	-9.6%	Dom.
BM	HSgFOBT 55-75, 1	8639	0	0	2107	281	38	28	-15.5%	Dom.
BM	HSgFOBT 55-80, 1	9362	0	0	2191	286	39	29	-15.5%	Dom.
BM	HSgFOBT 55-85, 1	9809	0	0	2238	287	39	29	-15.9%	Dom.
BM	HSgFOBT 50-75, 1	10890	0	0	2555	323	43	30	-10.2%	Dom.
BM	HSgFOBT 50-80, 1	11597	0	0	2635	328	43	31	-9.3%	Dom.
BM	HSgFOBT 50-85, 1	12034	0	0	2680	329	44	32	-9.1%	Dom.
BM	HSgFOBT 45-75, 1	13309	0	0	2965	351	46	32	-4.4%	Dom.
BM	HSgFOBT 45-80, 1	14005	0	0	3042	355	47	33	-3.6%	Dom.
BM	HSgFOBT 45-85, 1	14438	0	0	3086	357	47	33	-3.5%	Dom.
BM	SIG 55-75, 10	0	1701	0	2327	276	45	28	0%	8.1
BM	SIG 55-80, 10	0	1701	0	2327	276	45	28	0%	8.1
BM	SIG 55-85, 10	0	1812	0	2359	276	45	28	-1.1%	61.5*
BM	SIG 50-75, 10	0	1954	0	2607	308	48	29	0%	8.8
BM	SIG 50-80, 10	0	2142	0	2679	311	48	30	-0.7%	26.2*
BM	SIG 50-85, 10	0	2142	0	2679	311	48	30	-0.7%	26.2*
BM	SIG 45-75, 10	0	2479	0	2915	328	50	31	0%	15.0
BM	SIG 45-80, 10	0	2479	0	2915	328	50	31	0%	15.0
BM	SIG 45-85, 10	0	2588	0	2947	329	50	31	-0.5%	62.2*
BM	SIG 55-75, 5	0	2304	0	2554	292	48	30	-3.3%	Dom.
BM	SIG 55-80, 5	0	2451	0	2593	293	48	30	-4.4%	Dom.
BM	SIG 55-85, 5	0	2538	0	2612	293	48	30	-4.9%	Dom.

BM	SIG 50-75, 5	0	2895	0	2966	330	52	31	-0.6%	39.3*
BM	SIG 50-80, 5	0	3040	0	3005	331	52	32	-1.0%	38.3*
BM	SIG 50-85, 5	0	3127	0	3024	331	52	32	-1.3%	43.0*
BM	SIG 45-75, 5	0	3565	0	3309	354	54	32	0%	15.4
BM	SIG 45-80, 5	0	3710	0	3348	355	54	33	0%	38.4
BM	SIG 45-85, 5	0	3797	0	3366	355	54	33	0%	97.7
BM	CTC 55-75, 10	0	0	1914	1513	238	33	24	0%	6.0
BM	CTC 55-80, 10	0	0	1914	1513	238	33	24	0%	6.0
BM	CTC 55-85, 10	0	0	2064	1560	241	33	25	-2.2%	Dom.
BM	CTC 50-75, 10	0	0	2186	1649	261	35	25	0%	6.1
BM	CTC 50-80, 10	0	0	2439	1734	269	36	26	-0.7%	10.0*
BM	CTC 50-85, 10	0	0	2439	1734	269	36	26	-0.7%	10.0*
BM	CTC 45-75, 10	0	0	2794	1856	281	37	26	-1.9%	Dom.
BM	CTC 45-80, 10	0	0	2794	1856	281	37	26	-1.9%	Dom.
BM	CTC 45-85, 10	0	0	2943	1901	283	37	27	-3.0%	Dom.
BM	CTC 55-75, 5	0	0	2770	1830	281	41	28	-0.7%	9.0*
BM	CTC 55-80, 5	0	0	2971	1881	284	42	29	-1.6%	9.8*
BM	CTC 55-85, 5	0	0	3089	1907	285	42	29	-2.5%	Dom.
BM	CTC 50-75, 5	0	0	3485	2113	318	45	30	0%	8.2
BM	CTC 50-80, 5	0	0	3684	2163	321	46	31	-0.4%	14.1*
BM	CTC 50-85, 5	0	0	3801	2189	322	46	31	-1.0%	17.7*
BM	CTC 45-75, 5	0	0	4258	2351	341	47	31	0%	10.1
BM	CTC 45-80, 5	0	0	4455	2400	345	48	32	0%	13.8
BM	CTC 45-85, 5	0	0	4572	2426	345	48	32	0%	36.6

SimCRC - Scenario 1: Stable CRC risk

BM	No screening	0	0	0	59	0	0	0	-	-
BM	COL 55-75, 15	0	0	0	2753	195	42	21	0%	13.8
BM	COL 55-80, 15	0	0	0	2753	195	42	21	0%	13.8
BM	COL 55-85, 15	0	0	0	2930	196	42	21	-8.8%	Dom.
BM	COL 50-75, 15	0	0	0	3027	222	44	22	0%	10.2
BM	COL 50-80, 15	0	0	0	3351	226	46	22	-3.5%	Dom.
BM	COL 50-85, 15	0	0	0	3351	226	46	22	-3.5%	Dom.
BM	COL 45-75, 15	0	0	0	3748	248	48	23	0%	27.7
BM	COL 45-80, 15	0	0	0	3748	248	48	23	0%	27.7
BM	COL 45-85, 15	0	0	0	3748	248	48	23	0%	27.7
BM	COL 55-75, 10	0	0	0	3302	204	44	22	-12.3%	Dom.
BM	COL 55-80, 10	0	0	0	3302	204	44	22	-12.3%	Dom.
BM	COL 55-85, 10	0	0	0	3448	204	44	22	-14.1%	Dom.
BM	COL 50-75, 10	0	0	0	3745	235	48	23	-5.4%	Dom.
BM	COL 50-80, 10	0	0	0	4011	236	48	23	-6.5%	Dom.
BM	COL 50-85, 10	0	0	0	4011	236	48	23	-6.5%	Dom.
BM	COL 45-75, 10	0	0	0	4519	262	51	24	0%	57.9
BM	COL 45-80, 10	0	0	0	4519	262	51	24	0%	57.9
BM	COL 45-85, 10	0	0	0	4665	262	51	25	-0.1%	434.1*
BM	COL 55-75, 5	0	0	0	4404	210	46	22	-19.1%	Dom.
BM	COL 55-80, 5	0	0	0	4616	210	46	22	-19.7%	Dom.

BM	COL 55-85, 5	0	0	0	4735	211	46	22	-19.9%	Dom.
BM	COL 50-75, 5	0	0	0	5417	244	50	24	-8.2%	Dom.
BM	COL 50-80, 5	0	0	0	5629	245	51	24	-8.4%	Dom.
BM	COL 50-85, 5	0	0	0	5748	245	51	24	-8.5%	Dom.
BM	COL 45-75, 5	0	0	0	6456	271	53	25	0%	205.1
BM	COL 45-80, 5	0	0	0	6668	272	53	25	0%	484.2
BM	COL 45-85, 5	0	0	0	6787	272	53	25	0%	1369.7
BM	FIT 55-75, 3	4788	0	0	782	142	23	15	0%	5.1
BM	FIT 55-80, 3	5489	0	0	867	150	24	16	-4.7%	Dom.
BM	FIT 55-85, 3	5865	0	0	910	152	24	17	-8.0%	Dom.
BM	FIT 50-75, 3	6294	0	0	946	172	27	17	0%	5.5
BM	FIT 50-80, 3	6881	0	0	1017	178	27	18	-3.1%	Dom.
BM	FIT 50-85, 3	7152	0	0	1046	179	27	18	-4.8%	Dom.
BM	FIT 45-75, 3	7763	0	0	1085	195	29	18	0%	6.1
BM	FIT 45-80, 3	8183	0	0	1131	199	30	19	0.0%	11.5*
BM	FIT 45-85, 3	8623	0	0	1181	201	30	19	-0.9%	14.5*
BM	FIT 55-75, 2	6797	0	0	1012	165	28	17	-9.8%	Dom.
BM	FIT 55-80, 2	7403	0	0	1076	169	29	18	-12.4%	Dom.
BM	FIT 55-85, 2	7981	0	0	1133	171	29	19	-13.7%	Dom.
BM	FIT 50-75, 2	8516	0	0	1180	194	32	19	-4.6%	Dom.
BM	FIT 50-80, 2	9417	0	0	1271	200	33	20	-5.3%	Dom.
BM	FIT 50-85, 2	9799	0	0	1308	201	33	20	-6.1%	Dom.
BM	FIT 45-75, 2	10684	0	0	1366	219	35	20	0%	11.4
BM	FIT 45-80, 2	11281	0	0	1426	223	36	21	0%	15.3
BM	FIT 45-85, 2	11852	0	0	1481	225	36	21	-0.3%	26.9*
BM	FIT 55-75, 1	11113	0	0	1407	188	35	20	-15.4%	Dom.
BM	FIT 55-80, 1	12291	0	0	1502	192	36	20	-15.6%	Dom.
BM	FIT 55-85, 1	13027	0	0	1558	193	37	21	-16.1%	Dom.
BM	FIT 50-75, 1	14301	0	0	1671	221	40	21	-6.2%	Dom.
BM	FIT 50-80, 1	15470	0	0	1764	224	41	22	-6.4%	Dom.
BM	FIT 50-85, 1	16201	0	0	1819	225	41	22	-7.0%	Dom.
BM	FIT 45-75, 1	17665	0	0	1914	247	43	23	0%	20.8
BM	FIT 45-80, 1	18830	0	0	2006	250	44	23	0%	26.2
BM	FIT 45-85, 1	19559	0	0	2060	251	44	24	0%	52.0
BM	FIT-DNA 55-75, 5	3198	0	0	1110	156	28	16	-20.8%	Dom.
BM	FIT-DNA 55-80, 5	3471	0	0	1176	159	28	17	-21.5%	Dom.
BM	FIT-DNA 55-85, 5	3633	0	0	1213	160	28	17	-22.3%	Dom.
BM	FIT-DNA 50-75, 5	3996	0	0	1305	183	32	18	-14.3%	Dom.
BM	FIT-DNA 50-80, 5	4267	0	0	1369	186	32	19	-15.1%	Dom.
BM	FIT-DNA 50-85, 5	4427	0	0	1405	187	32	19	-15.6%	Dom.
BM	FIT-DNA 45-75, 5	4828	0	0	1483	205	34	19	-9.2%	Dom.
BM	FIT-DNA 45-80, 5	5098	0	0	1546	208	35	20	-9.1%	Dom.
BM	FIT-DNA 45-85, 5	5258	0	0	1582	209	35	20	-9.4%	Dom.
BM	FIT-DNA 55-75, 3	4197	0	0	1346	176	33	18	-19.3%	Dom.
BM	FIT-DNA 55-80, 3	4731	0	0	1462	181	34	19	-19.6%	Dom.
BM	FIT-DNA 55-85, 3	4979	0	0	1513	182	34	20	-20.0%	Dom.

BM	FIT-DNA 50-75, 3	5457	0	0	1630	208	37	20	-10.7%	Dom.
BM	FIT-DNA 50-80, 3	5851	0	0	1714	212	38	21	-10.7%	Dom.
BM	FIT-DNA 50-85, 3	6117	0	0	1766	213	38	21	-11.2%	Dom.
BM	FIT-DNA 45-75, 3	6624	0	0	1860	232	40	21	-4.8%	Dom.
BM	FIT-DNA 45-80, 3	7045	0	0	1946	236	41	22	-4.8%	Dom.
BM	FIT-DNA 45-85, 3	7345	0	0	2007	237	41	23	-5.2%	Dom.
BM	FIT-DNA 55-75, 1	7867	0	0	2066	199	41	21	-20.8%	Dom.
BM	FIT-DNA 55-80, 1	8588	0	0	2185	201	41	21	-20.3%	Dom.
BM	FIT-DNA 55-85, 1	9043	0	0	2256	202	42	21	-20.3%	Dom.
BM	FIT-DNA 50-75, 1	10012	0	0	2462	231	45	23	-9.3%	Dom.
BM	FIT-DNA 50-80, 1	10746	0	0	2582	234	46	23	-8.8%	Dom.
BM	FIT-DNA 50-85, 1	11196	0	0	2652	234	46	23	-8.8%	Dom.
BM	FIT-DNA 45-75, 1	12303	0	0	2843	258	48	24	-0.4%	121.1*
BM	FIT-DNA 45-80, 1	13030	0	0	2961	260	48	24	0%	104.5
BM	FIT-DNA 45-85, 1	13480	0	0	3031	260	49	24	0%	123.0
BM	HSgFOBT 55-75, 3	4530	0	0	998	142	24	15	-21.2%	Dom.
BM	HSgFOBT 55-80, 3	5161	0	0	1099	149	25	16	-23.7%	Dom.
BM	HSgFOBT 55-85, 3	5473	0	0	1147	151	25	17	-24.4%	Dom.
BM	HSgFOBT 50-75, 3	5907	0	0	1229	173	28	17	-16.7%	Dom.
BM	HSgFOBT 50-80, 3	6394	0	0	1307	178	29	18	-17.0%	Dom.
BM	HSgFOBT 50-85, 3	6680	0	0	1347	179	29	18	-17.7%	Dom.
BM	HSgFOBT 45-75, 3	7191	0	0	1423	195	31	18	-12.4%	Dom.
BM	HSgFOBT 45-80, 3	7636	0	0	1489	199	31	19	-11.8%	Dom.
BM	HSgFOBT 45-85, 3	8010	0	0	1545	202	32	19	-11.9%	Dom.
BM	HSgFOBT 55-75, 2	6176	0	0	1285	165	29	17	-22.3%	Dom.
BM	HSgFOBT 55-80, 2	6699	0	0	1361	169	30	18	-22.9%	Dom.
BM	HSgFOBT 55-85, 2	7195	0	0	1429	171	30	19	-23.6%	Dom.
BM	HSgFOBT 50-75, 2	7679	0	0	1523	195	33	19	-14.6%	Dom.
BM	HSgFOBT 50-80, 2	8455	0	0	1634	200	34	20	-14.3%	Dom.
BM	HSgFOBT 50-85, 2	8781	0	0	1678	201	34	20	-14.5%	Dom.
BM	HSgFOBT 45-75, 2	9567	0	0	1791	220	36	21	-8.5%	Dom.
BM	HSgFOBT 45-80, 2	10080	0	0	1863	224	37	21	-8.4%	Dom.
BM	HSgFOBT 45-85, 2	10568	0	0	1929	226	37	22	-8.8%	Dom.
BM	HSgFOBT 55-75, 1	9260	0	0	1756	188	36	20	-21.4%	Dom.
BM	HSgFOBT 55-80, 1	10168	0	0	1869	191	37	20	-21.9%	Dom.
BM	HSgFOBT 55-85, 1	10734	0	0	1936	192	37	21	-22.4%	Dom.
BM	HSgFOBT 50-75, 1	11759	0	0	2111	220	41	22	-12.4%	Dom.
BM	HSgFOBT 50-80, 1	12665	0	0	2222	224	42	22	-11.6%	Dom.
BM	HSgFOBT 50-85, 1	13228	0	0	2288	224	42	22	-11.4%	Dom.
BM	HSgFOBT 45-75, 1	14396	0	0	2448	247	44	23	-3.2%	Dom.
BM	HSgFOBT 45-80, 1	15296	0	0	2559	250	45	23	-2.4%	Dom.
BM	HSgFOBT 45-85, 1	15856	0	0	2624	251	45	24	-2.3%	Dom.
BM	SIG 55-75, 10	0	2031	0	1214	149	32	16	0%	7.8
BM	SIG 55-80, 10	0	2031	0	1214	149	32	16	0%	7.8
BM	SIG 55-85, 10	0	2210	0	1275	150	32	16	-9.7%	Dom.
BM	SIG 50-75, 10	0	2295	0	1311	171	34	17	0%	4.4

BM	SIG 50-80, 10	0	2593	0	1420	174	35	18	-4.4%	Dom.
BM	SIG 50-85, 10	0	2593	0	1420	174	35	18	-4.4%	Dom.
BM	SIG 45-75, 10	0	2938	0	1530	194	37	19	0%	9.4
BM	SIG 45-80, 10	0	2938	0	1530	194	37	19	0%	9.4
BM	SIG 45-85, 10	0	3116	0	1590	195	38	19	-1.2%	65.7*
BM	SIG 55-75, 5	0	2969	0	1500	164	36	18	-13.9%	Dom.
BM	SIG 55-80, 5	0	3208	0	1568	166	36	18	-15.5%	Dom.
BM	SIG 55-85, 5	0	3348	0	1605	166	37	18	-16.1%	Dom.
BM	SIG 50-75, 5	0	3721	0	1744	193	40	19	-5.8%	Dom.
BM	SIG 50-80, 5	0	3957	0	1811	195	40	20	-6.7%	Dom.
BM	SIG 50-85, 5	0	4096	0	1848	195	40	20	-7.4%	Dom.
BM	SIG 45-75, 5	0	4511	0	1966	217	42	21	0%	18.8
BM	SIG 45-80, 5	0	4746	0	2032	219	43	21	0%	48.4
BM	SIG 45-85, 5	0	4885	0	2069	219	43	21	0%	104.6
BM	CTC 55-75, 10	0	0	2003	1345	179	38	19	0%	7.2
BM	CTC 55-80, 10	0	0	2003	1345	179	38	19	0%	7.2
BM	CTC 55-85, 10	0	0	2171	1414	180	38	19	-10.6%	Dom.
BM	CTC 50-75, 10	0	0	2271	1431	205	40	20	0%	3.5
BM	CTC 50-80, 10	0	0	2557	1554	208	41	21	-4.4%	Dom.
BM	CTC 50-85, 10	0	0	2557	1554	208	41	21	-4.4%	Dom.
BM	CTC 45-75, 10	0	0	2907	1655	229	43	22	0%	9.0
BM	CTC 45-80, 10	0	0	2907	1655	229	43	22	0%	9.0
BM	CTC 45-85, 10	0	0	3075	1723	230	43	22	-1.1%	68.2*
BM	CTC 55-75, 5	0	0	2917	1620	194	41	21	-14.0%	Dom.
BM	CTC 55-80, 5	0	0	3143	1691	195	42	21	-15.5%	Dom.
BM	CTC 55-85, 5	0	0	3274	1730	196	42	21	-16.1%	Dom.
BM	CTC 50-75, 5	0	0	3671	1857	226	45	22	-5.7%	Dom.
BM	CTC 50-80, 5	0	0	3896	1928	228	46	23	-6.6%	Dom.
BM	CTC 50-85, 5	0	0	4027	1966	228	46	23	-7.2%	Dom.
BM	CTC 45-75, 5	0	0	4469	2069	251	48	23	0%	19.0
BM	CTC 45-80, 5	0	0	4694	2139	252	48	24	0%	49.4
BM	CTC 45-85, 5	0	0	4824	2177	253	49	24	0%	119.8

SimCRC - Scenario 2: Increased CRC risk

BM	No screening	0	0	0	92	0	0	0	-	-
BM	COL 55-75, 15	0	0	0	2870	314	63	32	0%	8.8
BM	COL 55-80, 15	0	0	0	2870	314	63	32	0%	8.8
BM	COL 55-85, 15	0	0	0	3033	316	63	32	-7.8%	Dom.
BM	COL 50-75, 15	0	0	0	3177	359	66	34	0%	6.8
BM	COL 50-80, 15	0	0	0	3479	365	69	35	-3.2%	Dom.
BM	COL 50-85, 15	0	0	0	3479	365	69	35	-3.2%	Dom.
BM	COL 45-75, 15	0	0	0	3898	402	72	36	0%	17.0
BM	COL 45-80, 15	0	0	0	3898	402	72	36	0%	17.0
BM	COL 45-85, 15	0	0	0	3898	402	72	36	0%	17.0
BM	COL 55-75, 10	0	0	0	3393	329	67	34	-11.5%	Dom.
BM	COL 55-80, 10	0	0	0	3393	329	67	34	-11.5%	Dom.
BM	COL 55-85, 10	0	0	0	3526	330	67	34	-13.2%	Dom.

BM	COL 50-75, 10	0	0	0	3869	381	72	36	-4.9%	Dom.
BM	COL 50-80, 10	0	0	0	4114	383	73	37	-6.2%	Dom.
BM	COL 50-85, 10	0	0	0	4114	383	73	37	-6.2%	Dom.
BM	COL 45-75, 10	0	0	0	4648	426	77	38	0%	31.0
BM	COL 45-80, 10	0	0	0	4648	426	77	38	0%	31.0
BM	COL 45-85, 10	0	0	0	4781	426	77	39	-0.1%	206.8*
BM	COL 55-75, 5	0	0	0	4430	340	70	35	-18.8%	Dom.
BM	COL 55-80, 5	0	0	0	4623	341	70	35	-19.8%	Dom.
BM	COL 55-85, 5	0	0	0	4730	341	70	35	-20.0%	Dom.
BM	COL 50-75, 5	0	0	0	5450	398	76	38	-8.2%	Dom.
BM	COL 50-80, 5	0	0	0	5643	399	77	38	-8.4%	Dom.
BM	COL 50-85, 5	0	0	0	5749	399	77	38	-8.6%	Dom.
BM	COL 45-75, 5	0	0	0	6496	443	81	40	0%	106.4
BM	COL 45-80, 5	0	0	0	6689	444	81	40	0%	226.0
BM	COL 45-85, 5	0	0	0	6795	444	81	40	0%	618.3
BM	FIT 55-75, 3	4642	0	0	947	234	36	23	0%	3.7
BM	FIT 55-80, 3	5288	0	0	1035	245	38	25	-4.3%	Dom.
BM	FIT 55-85, 3	5627	0	0	1078	248	38	26	-7.3%	Dom.
BM	FIT 50-75, 3	6107	0	0	1139	283	42	27	0%	3.9
BM	FIT 50-80, 3	6645	0	0	1211	292	44	28	-2.9%	Dom.
BM	FIT 50-85, 3	6891	0	0	1241	294	44	29	-4.4%	Dom.
BM	FIT 45-75, 3	7548	0	0	1301	321	47	29	0%	4.2
BM	FIT 45-80, 3	7934	0	0	1349	327	48	30	-0.1%	8.0*
BM	FIT 45-85, 3	8331	0	0	1398	331	48	31	-1.0%	10.3*
BM	FIT 55-75, 2	6534	0	0	1195	269	44	27	-9.2%	Dom.
BM	FIT 55-80, 2	7086	0	0	1260	275	45	28	-11.6%	Dom.
BM	FIT 55-85, 2	7604	0	0	1315	278	46	29	-13.9%	Dom.
BM	FIT 50-75, 2	8220	0	0	1390	317	50	30	-4.9%	Dom.
BM	FIT 50-80, 2	9040	0	0	1483	326	52	31	-5.7%	Dom.
BM	FIT 50-85, 2	9381	0	0	1519	328	52	32	-6.5%	Dom.
BM	FIT 45-75, 2	10333	0	0	1602	361	55	32	0%	7.6
BM	FIT 45-80, 2	10876	0	0	1663	367	56	33	0%	10.5
BM	FIT 45-85, 2	11388	0	0	1717	370	56	34	-0.3%	19.6*
BM	FIT 55-75, 1	10581	0	0	1601	305	54	31	-15.6%	Dom.
BM	FIT 55-80, 1	11643	0	0	1694	310	56	32	-16.0%	Dom.
BM	FIT 55-85, 1	12296	0	0	1747	312	56	32	-16.5%	Dom.
BM	FIT 50-75, 1	13674	0	0	1895	359	61	34	-6.5%	Dom.
BM	FIT 50-80, 1	14728	0	0	1986	365	63	35	-6.8%	Dom.
BM	FIT 50-85, 1	15379	0	0	2038	366	63	35	-7.3%	Dom.
BM	FIT 45-75, 1	16963	0	0	2163	404	66	36	0%	13.5
BM	FIT 45-80, 1	18013	0	0	2253	409	67	37	0%	17.3
BM	FIT 45-85, 1	18661	0	0	2305	411	68	37	0%	35.2
BM	FIT-DNA 55-75, 5	3096	0	0	1280	255	44	26	-19.3%	Dom.
BM	FIT-DNA 55-80, 5	3347	0	0	1345	260	45	27	-20.6%	Dom.
BM	FIT-DNA 55-85, 5	3492	0	0	1380	261	45	27	-21.3%	Dom.
BM	FIT-DNA 50-75, 5	3877	0	0	1501	301	50	29	-13.4%	Dom.

BM	FIT-DNA 50-80, 5	4125	0	0	1564	306	50	30	-14.2%	Dom.
BM	FIT-DNA 50-85, 5	4269	0	0	1599	307	50	30	-14.9%	Dom.
BM	FIT-DNA 45-75, 5	4695	0	0	1700	338	54	31	-8.5%	Dom.
BM	FIT-DNA 45-80, 5	4942	0	0	1762	343	54	32	-8.5%	Dom.
BM	FIT-DNA 45-85, 5	5085	0	0	1797	344	54	32	-8.8%	Dom.
BM	FIT-DNA 55-75, 3	4043	0	0	1526	286	51	29	-18.6%	Dom.
BM	FIT-DNA 55-80, 3	4529	0	0	1640	294	52	30	-19.5%	Dom.
BM	FIT-DNA 55-85, 3	4751	0	0	1688	295	53	31	-20.0%	Dom.
BM	FIT-DNA 50-75, 3	5263	0	0	1837	340	57	32	-10.6%	Dom.
BM	FIT-DNA 50-80, 3	5621	0	0	1920	345	59	33	-10.7%	Dom.
BM	FIT-DNA 50-85, 3	5861	0	0	1969	346	59	33	-11.1%	Dom.
BM	FIT-DNA 45-75, 3	6410	0	0	2092	381	62	34	-4.4%	Dom.
BM	FIT-DNA 45-80, 3	6794	0	0	2176	387	63	35	-4.5%	Dom.
BM	FIT-DNA 45-85, 3	7063	0	0	2233	389	64	36	-4.8%	Dom.
BM	FIT-DNA 55-75, 1	7476	0	0	2233	322	62	33	-21.2%	Dom.
BM	FIT-DNA 55-80, 1	8126	0	0	2346	325	63	33	-20.9%	Dom.
BM	FIT-DNA 55-85, 1	8531	0	0	2411	326	63	34	-20.9%	Dom.
BM	FIT-DNA 50-75, 1	9559	0	0	2656	376	68	35	-9.6%	Dom.
BM	FIT-DNA 50-80, 1	10221	0	0	2770	380	69	36	-9.1%	Dom.
BM	FIT-DNA 50-85, 1	10622	0	0	2835	381	70	36	-9.1%	Dom.
BM	FIT-DNA 45-75, 1	11800	0	0	3059	420	73	37	-0.4%	77.9*
BM	FIT-DNA 45-80, 1	12456	0	0	3172	424	74	38	0%	65.7
BM	FIT-DNA 45-85, 1	12857	0	0	3236	425	74	38	0%	71.5
BM	HSgFOBT 55-75, 3	4401	0	0	1146	233	38	24	-18.1%	Dom.
BM	HSgFOBT 55-80, 3	4984	0	0	1248	244	39	25	-21.0%	Dom.
BM	HSgFOBT 55-85, 3	5267	0	0	1295	247	40	26	-23.0%	Dom.
BM	HSgFOBT 50-75, 3	5743	0	0	1402	284	44	27	-15.3%	Dom.
BM	HSgFOBT 50-80, 3	6191	0	0	1480	291	45	28	-15.7%	Dom.
BM	HSgFOBT 50-85, 3	6450	0	0	1520	293	45	29	-16.4%	Dom.
BM	HSgFOBT 45-75, 3	7007	0	0	1618	321	48	29	-11.4%	Dom.
BM	HSgFOBT 45-80, 3	7417	0	0	1683	328	50	30	-11.1%	Dom.
BM	HSgFOBT 45-85, 3	7756	0	0	1738	331	50	31	-11.2%	Dom.
BM	HSgFOBT 55-75, 2	5958	0	0	1445	268	45	27	-21.1%	Dom.
BM	HSgFOBT 55-80, 2	6436	0	0	1519	274	47	28	-21.7%	Dom.
BM	HSgFOBT 55-85, 2	6882	0	0	1584	277	47	29	-22.9%	Dom.
BM	HSgFOBT 50-75, 2	7434	0	0	1709	317	52	30	-14.3%	Dom.
BM	HSgFOBT 50-80, 2	8143	0	0	1817	325	53	31	-14.1%	Dom.
BM	HSgFOBT 50-85, 2	8437	0	0	1859	327	53	32	-14.3%	Dom.
BM	HSgFOBT 45-75, 2	9278	0	0	1999	362	57	32	-7.7%	Dom.
BM	HSgFOBT 45-80, 2	9747	0	0	2070	367	58	33	-7.6%	Dom.
BM	HSgFOBT 45-85, 2	10187	0	0	2133	369	58	34	-8.1%	Dom.
BM	HSgFOBT 55-75, 1	8863	0	0	1919	304	55	31	-21.2%	Dom.
BM	HSgFOBT 55-80, 1	9686	0	0	2027	309	57	32	-21.6%	Dom.
BM	HSgFOBT 55-85, 1	10192	0	0	2089	310	57	32	-22.1%	Dom.
BM	HSgFOBT 50-75, 1	11295	0	0	2301	359	62	34	-12.7%	Dom.
BM	HSgFOBT 50-80, 1	12116	0	0	2408	363	63	35	-11.9%	Dom.

BM	HSgFOBT 50-85, 1	12619	0	0	2469	365	64	35	-11.8%	Dom.
BM	HSgFOBT 45-75, 1	13879	0	0	2660	403	67	36	-3.2%	Dom.
BM	HSgFOBT 45-80, 1	14695	0	0	2766	407	68	37	-2.5%	Dom.
BM	HSgFOBT 45-85, 1	15197	0	0	2826	409	69	37	-2.4%	Dom.
BM	SIG 55-75, 10	0	1955	0	1478	276	55	28	0%	5.0
BM	SIG 55-80, 10	0	1955	0	1478	276	55	28	0%	5.0
BM	SIG 55-85, 10	0	2113	0	1538	277	55	29	-8.1%	Dom.
BM	SIG 50-75, 10	0	2224	0	1608	317	58	30	0%	3.2
BM	SIG 50-80, 10	0	2493	0	1718	322	60	31	-4.0%	Dom.
BM	SIG 50-85, 10	0	2493	0	1718	322	60	31	-4.0%	Dom.
BM	SIG 45-75, 10	0	2842	0	1855	358	63	33	0%	5.9
BM	SIG 45-80, 10	0	2842	0	1855	358	63	33	0%	5.9
BM	SIG 45-85, 10	0	2999	0	1914	360	64	33	-0.7%	42.5*
BM	SIG 55-75, 5	0	2822	0	1751	295	59	30	-13.3%	Dom.
BM	SIG 55-80, 5	0	3035	0	1817	298	60	31	-15.5%	Dom.
BM	SIG 55-85, 5	0	3158	0	1852	298	61	31	-16.7%	Dom.
BM	SIG 50-75, 5	0	3550	0	2028	346	65	33	-6.6%	Dom.
BM	SIG 50-80, 5	0	3761	0	2092	348	66	34	-7.2%	Dom.
BM	SIG 50-85, 5	0	3883	0	2127	349	67	34	-7.6%	Dom.
BM	SIG 45-75, 5	0	4321	0	2277	388	70	35	0%	14.4
BM	SIG 45-80, 5	0	4531	0	2341	390	71	35	0%	30.7
BM	SIG 45-85, 5	0	4653	0	2376	390	71	36	0%	73.0
BM	CTC 55-75, 10	0	0	1937	1563	294	58	30	0%	5.0
BM	CTC 55-80, 10	0	0	1937	1563	294	58	30	0%	5.0
BM	CTC 55-85, 10	0	0	2088	1629	295	58	31	-9.2%	Dom.
BM	CTC 50-75, 10	0	0	2209	1682	336	62	32	0%	2.8
BM	CTC 50-80, 10	0	0	2469	1803	342	64	33	-4.0%	Dom.
BM	CTC 50-85, 10	0	0	2469	1803	342	64	33	-4.0%	Dom.
BM	CTC 45-75, 10	0	0	2823	1930	378	67	34	0%	6.0
BM	CTC 45-80, 10	0	0	2823	1930	378	67	34	0%	6.0
BM	CTC 45-85, 10	0	0	2973	1995	379	67	35	-1.0%	45.6*
BM	CTC 55-75, 5	0	0	2787	1839	316	63	32	-12.8%	Dom.
BM	CTC 55-80, 5	0	0	2990	1907	319	64	33	-14.8%	Dom.
BM	CTC 55-85, 5	0	0	3106	1943	319	64	33	-15.8%	Dom.
BM	CTC 50-75, 5	0	0	3518	2110	370	69	35	-5.9%	Dom.
BM	CTC 50-80, 5	0	0	3720	2177	372	70	36	-6.7%	Dom.
BM	CTC 50-85, 5	0	0	3836	2213	372	70	36	-7.2%	Dom.
BM	CTC 45-75, 5	0	0	4298	2348	412	73	37	0%	12.1
BM	CTC 45-80, 5	0	0	4500	2415	415	74	38	0%	31.0
BM	CTC 45-85, 5	0	0	4615	2451	415	75	38	0%	70.7

Abbreviations: BM = black male; COL = colonoscopy; CRC = colorectal cancer; CTC = computed tomographic colonography; Dom. = dominated strategy; ER = efficiency ratio; FIT = fecal immunochemical test; FIT-DNA = multitarget stool DNA test; HSgFOBT = high-sensitivity guaiac-based fecal occult blood test; LYG = life-years gained; SIG = flexible sigmoidoscopy.

^a Both models evaluated two scenarios for CRC risk: one in which age-specific risks were assumed to have remained stable since the early screening period in the U.S. (1975-1979 for SimCRC; 1990-1994 for MISCAN), and one in which risks were assumed to have increased proportional to observed trends among adults under age 40 years. Strategies for each model and scenario are ordered successively by screening modality, interval (↓), end age (↑), and start age (↓).

^b Total number of colonoscopies performed per 1000 40-year-olds, including diagnostic colonoscopies and potential surveillance colonoscopies after adenoma removal. The number of screening-related complications ranged from 4.2 to 18.6 per 1000 40-year-olds across models, scenarios, and strategies.

^c Including deaths from complications of screening.

^d The difference in LYG compared to (combinations of) adjacent strategies on the efficient frontier. Near-efficient strategies have a loss in LYG of less than 2% before rounding. For the least intensive screening strategy evaluated within each class of screening modality, the difference was zero by definition.

^e Efficiency ratio = incremental number of colonoscopies/LYG with respect to the next less effective strategy on the efficient frontier, a burden-to-benefit ratio. Only calculated for efficient and near-efficient strategies (marked with an asterisk*), i.e. strategies within 2% from the efficient frontier among all evaluated strategies within a class of screening modalities (colonoscopy, stool-based, sigmoidoscopy, and CTC).

Supplementary Table 7. Outcomes for CRC Screening Strategies with Screening Between Similar Ages as the Selected Benchmark Colonoscopy Strategy, under Two Scenarios for CRC Risk, by Model and Demographic Subgroup ^a

Sub-group	Modality, and age to begin-end screening, interval, y	Outcomes per 1000 40-year olds							Relative distance from efficient frontier ^c	ER ^d	ER < benchmark ^e	LYG > 90% of benchmark	Model recommendable strategy ^f
		Stool tests	SIGs	CTCs	COLs	LYG	CRC cases averted	CRC deaths averted ^b					
MISCAN - Scenario 1: Stable CRC risk													
WF	Colonoscopy												
	COL 50-75, 10	0	0	0.0	4067	192	36	17	0%	43.2	-	-	Yes
	Stool tests												
	FIT 50-75, 3	7173	0	0	880	134	15	11	0%	6.1	Yes	No	
	FIT 50-75, 2	9907	0	0	1115	154	19	13	0%	11.9	Yes	No	
	HSgFOBT 50-75, 3	6637	0	0	1199	134	17	11	-15.1%	Dom.	-	No	
	FIT-DNA 50-75, 5	4652	0	0	1286	147	20	13	-9.3%	Dom.	-	No	
	HSgFOBT 50-75, 2	8900	0	0	1530	155	21	13	-11.5%	Dom.	-	No	
	FIT-DNA 50-75, 3	6138	0	0	1581	165	24	14	-6.9%	Dom.	-	No	
	FIT 50-75, 1	16959	0	0	1620	179	26	15	0%	19.8	Yes	Yes	Yes
	HSgFOBT 50-75, 1	13803	0	0	2179	180	28	15	-3.7%	Dom.	-	Yes	
	FIT-DNA 50-75, 1	11871	0	0	2548	191	33	16	0%	76.4	No	Yes	
	Sigmoidoscopy												
	SIG 50-75, 10	0	2537	0	1534	137	26	12	0%	10.8	Yes	No	
	SIG 50-75, 5	0	4220	0	1978	158	30	14	0%	21.1	Yes	No	
CT colonography													
CTC 50-75, 10	0	0	2614	1141	138	21	12	0%	7.8	Yes	No		
CTC 50-75, 5	0	0	4466	1592	174	29	15	0%	12.6	Yes	Yes	Yes	
BF	Colonoscopy												
	COL 45-75, 10	0	0	0	4894	285	40	23	0%	43.4	-	-	Yes
	Stool tests												
	FIT 45-75, 3	8297	0	0	1136	205	19	16	0%	5.2	Yes	No	
	FIT 45-75, 2	11477	0	0	1422	233	23	19	0%	10.2	Yes	No	
	HSgFOBT 45-75, 3	7649	0	0	1502	205	20	17	-14.0%	Dom.	-	No	
	FIT-DNA 45-75, 5	5168	0	0	1578	221	23	18	-8.8%	Dom.	-	No	
	HSgFOBT 45-75, 2	10252	0	0	1899	234	25	19	-10.4%	Dom.	-	No	
FIT-DNA 45-75, 3	7012	0	0	1960	250	28	20	-5.8%	Dom.	-	No		

	FIT 45-75, 1	19041	0	0	1988	267	30	21	0%	16.9	Yes	Yes	Yes
	HSgFOBT 45-75, 1	15400	0	0	2611	266	32	21	-3.6%	Dom.	-	Yes	
	FIT-DNA 45-75, 1	13174	0	0	3023	283	37	23	0%	63.7	No	Yes	
	Sigmoidoscopy												
	SIG 45-75, 10	0	3060	0	1905	208	30	18	0%	8.9	Yes	No	
	SIG 45-75, 5	0	4650	0	2333	235	33	20	0%	15.9	Yes	No	
	CT colonography												
	CTC 45-75, 10	0	0	3179	1490	215	26	18	0%	6.6	Yes	No	
	CTC 45-75, 5	0	0	4935	1937	260	33	21	0%	10.1	Yes	Yes	Yes
WM	Colonoscopy												
	COL 50-75, 10	0	0	0.0	4007	227	43	21	0%	38.6	-	-	Yes
	Stool tests												
	FIT 50-75, 3	6689	0	0	947	162	18	15	0%	5.4	Yes	No	
	FIT 50-75, 2	9204	0	0	1188	185	23	17	0%	10.5	Yes	No	
	HSgFOBT 50-75, 3	6201	0	0	1248	161	20	15	-14.3%	Dom.	-	No	
	FIT-DNA 50-75, 5	4308	0	0	1340	176	24	17	-9.1%	Dom.	-	No	
	HSgFOBT 50-75, 2	8279	0	0	1580	185	25	17	-10.8%	Dom.	-	No	
	FIT-DNA 50-75, 3	5701	0	0	1650	198	29	18	-6.5%	Dom.	-	No	
	FIT 50-75, 1	15619	0	0	1693	214	32	20	0%	17.0	Yes	Yes	Yes
	HSgFOBT 50-75, 1	12737	0	0	2221	214	34	20	-3.5%	Dom.	-	Yes	
	FIT-DNA 50-75, 1	10885	0	0	2589	227	40	21	0%	69.7	No	Yes	
	Sigmoidoscopy												
	SIG 50-75, 10	0	2328	0	1822	183	35	18	0%	9.5	Yes	No	
	SIG 50-75, 5	0	3737	0	2231	203	39	20	0%	20.6	Yes	No	
	CT colonography												
	CTC 50-75, 10	0	0	2456	1223	166	26	15	0%	6.9	Yes	No	
	CTC 50-75, 5	0	0	4110	1667	207	35	19	0%	10.8	Yes	Yes	Yes
BM	Colonoscopy												
	COL 45-75, 10	0	0	0.0	4561	266	40	24	0%	42.9	-	-	Yes
	Stool tests												
	FIT 45-75, 3	7675	0	0	1102	194	18	18	0%	5.4	Yes	No	
	FIT 45-75, 2	10595	0	0	1375	220	23	20	0%	10.5	Yes	No	
	HSgFOBT 45-75, 3	7092	0	0	1435	193	19	18	-13.6%	Dom.	-	No	
	FIT-DNA 45-75, 5	4769	0	0	1507	207	22	19	-8.9%	Dom.	-	No	
	HSgFOBT 45-75, 2	9484	0	0	1811	220	24	20	-10.2%	Dom.	-	No	
	FIT-DNA 45-75, 3	6482	0	0	1879	234	28	21	-6.0%	Dom.	-	No	
	FIT 45-75, 1	17548	0	0	1912	251	30	22	0%	17.0	Yes	Yes	Yes

	HSgFOBT 45-75, 1	14234	0	0	2485	251	31	22	-3.5%	Dom.	-	Yes	
	FIT-DNA 45-75, 1	12136	0	0	2879	266	36	23	0%	67.4	No	Yes	
Sigmoidoscopy													
	SIG 45-75, 10	0	2778	0	1946	207	31	19	0%	9.1	Yes	No	
	SIG 45-75, 5	0	4188	0	2343	230	34	21	0%	17.1	Yes	No	
CT colonography													
	CTC 45-75, 10	0	0	2925	1434	201	26	19	0%	6.8	Yes	No	
	CTC 45-75, 5	0	0	4538	1860	243	32	22	0%	10.0	Yes	Yes	Yes

MISCAN - Scenario 2: Increased CRC risk

WF	Colonoscopy												
	COL 45-75, 10	0	0	0.0	5823	398	74	35	0%	39.4	-	-	Yes
	Stool tests												
	FIT 45-75, 3	8367	0	0	1583	281	32	24	0%	5.2	Yes	No	
	FIT 45-75, 2	11456	0	0	1964	322	41	27	0%	9.3	Yes	No	
	HSgFOBT 45-75, 3	7695	0	0	2019	283	36	24	-13.2%	Dom.	-	No	
	FIT-DNA 45-75, 5	5161	0	0	2145	303	41	26	-9.3%	Dom.	-	No	
	HSgFOBT 45-75, 2	10188	0	0	2526	325	45	28	-9.7%	Dom.	-	No	
	FIT-DNA 45-75, 3	6941	0	0	2633	345	50	29	-6.2%	Dom.	-	No	
	FIT 45-75, 1	18692	0	0	2690	371	54	31	0%	14.7	Yes	Yes	Yes
	HSgFOBT 45-75, 1	15026	0	0	3402	372	58	31	-3.4%	Dom.	-	Yes	
	FIT-DNA 45-75, 1	12627	0	0	3902	395	66	33	0%	50.6	No	Yes	
	Sigmoidoscopy												
	SIG 45-75, 10	0	2795	0	3466	350	65	31	0%	9.6	Yes	No	
	SIG 45-75, 5	0	4005	0	3930	379	70	33	0%	16.1	Yes	Yes	Yes
	CT colonography												
	CTC 45-75, 10	0	0	3178	2074	291	46	26	0%	6.7	Yes	No	
	CTC 45-75, 5	0	0	4853	2652	358	58	31	0%	8.6	Yes	Yes	Yes
BF	Colonoscopy												
	COL 45-75, 10	0	0	0	5231	366	52	30	0%	33.2	-	-	Yes
	Stool tests												
	FIT 45-75, 3	8114	0	0	1363	261	24	21	0%	4.9	Yes	No	
	FIT 45-75, 2	11148	0	0	1691	297	30	24	0%	9.1	Yes	No	
	HSgFOBT 45-75, 3	7479	0	0	1745	261	26	21	-13.2%	Dom.	-	No	
	FIT-DNA 45-75, 5	5024	0	0	1853	282	30	23	-8.8%	Dom.	-	No	
	HSgFOBT 45-75, 2	9948	0	0	2185	300	32	24	-9.7%	Dom.	-	No	
	FIT-DNA 45-75, 3	6780	0	0	2278	319	37	26	-5.6%	Dom.	-	No	
	FIT 45-75, 1	18305	0	0	2319	341	39	27	0%	14.4	Yes	Yes	Yes

	HSgFOBT 45-75, 1	14780	0	0	2957	342	41	28	-3.5%	Dom.	-	Yes	
	FIT-DNA 45-75, 1	12503	0	0	3403	363	48	29	0%	49.4	No	Yes	
	Sigmoidoscopy												
	SIG 45-75, 10	0	2812	0	2743	314	45	26	0%	8.5	Yes	No	
	SIG 45-75, 5	0	4134	0	3161	340	48	28	0%	16.0	Yes	Yes	Yes
	CT colonography												
	CTC 45-75, 10	0	0	3090	1786	274	34	23	0%	6.2	Yes	No	
	CTC 45-75, 5	0	0	4748	2284	333	42	27	0%	8.5	Yes	Yes	Yes
WM	Colonoscopy												
	COL 45-75, 5	0	0	0.0	7182	554	102	51	0%	39.5	-	-	Yes
	Stool tests												
	FIT 45-75, 3	7643	0	0	1853	378	45	35	0%	4.5	Yes	No	
	FIT 45-75, 2	10343	0	0	2270	431	48	35	0%	7.8	Yes	No	
	HSgFOBT 45-75, 3	7045	0	0	2260	379	56	39	-11.9%	Dom.	-	No	
	FIT-DNA 45-75, 5	4674	0	0	2413	405	56	38	-8.7%	Dom.	-	No	
	HSgFOBT 45-75, 2	9211	0	0	2792	434	60	40	-8.6%	Dom.	-	No	
	FIT-DNA 45-75, 3	6240	0	0	2951	460	68	42	-5.8%	Dom.	-	No	
	FIT 45-75, 1	16592	0	0	3033	495	74	45	0%	12.0	Yes	No	
	HSgFOBT 45-75, 1	13359	0	0	3692	495	78	45	-2.9%	Dom.	-	No	
	FIT-DNA 45-75, 1	11006	0	0	4210	522	89	47	0%	43.8	No	Yes	
	Sigmoidoscopy												
	SIG 45-75, 10	0	2451	0	3825	457	85	44	0%	8.0	Yes	No	
	SIG 45-75, 5	0	3389	0	4302	494	91	46	0%	12.8	Yes	No	
	CT colonography												
	CTC 45-75, 10	0	0	2875	2385	386	62	37	0%	5.8	Yes	No	
	CTC 45-75, 5	0	0	4315	2999	474	78	44	0%	7.0	Yes	No	
BM	Colonoscopy												
	COL 45-75, 10	0	0	0.0	5010	375	57	34	0%	30.1	-	-	Yes
	Stool tests												
	FIT 45-75, 3	7395	0	0	1428	267	26	25	0%	5.0	Yes	No	
	FIT 45-75, 2	10094	0	0	1758	305	33	28	0%	8.6	Yes	No	
	HSgFOBT 45-75, 3	6836	0	0	1775	267	28	25	-12.9%	Dom.	-	No	
	FIT-DNA 45-75, 5	4555	0	0	1892	287	33	27	-8.8%	Dom.	-	No	
	HSgFOBT 45-75, 2	9028	0	0	2209	307	35	28	-9.4%	Dom.	-	No	
	FIT-DNA 45-75, 3	6134	0	0	2327	327	40	30	-5.9%	Dom.	-	No	
	FIT 45-75, 1	16433	0	0	2380	351	44	31	0%	13.6	Yes	Yes	Yes
	HSgFOBT 45-75, 1	13309	0	0	2965	351	46	32	-3.5%	Dom.	-	Yes	

	FIT-DNA 45-75, 1	11132	0	0	3406	374	53	34	0%	45.2	No	Yes	
	Sigmoidoscopy												
	SIG 45-75, 10	0	2479	0	2915	328	50	31	0%	8.6	Yes	No	
	SIG 45-75, 5	0	3565	0	3309	354	54	32	0%	15.4	Yes	Yes	Yes
	CT colonography												
	CTC 45-75, 10	0	0	2794	1856	281	37	26	0%	6.3	Yes	No	
	CTC 45-75, 5	0	0	4258	2351	341	47	31	0%	8.2	Yes	Yes	Yes

SimCRC - Scenario 1: Stable CRC risk

WF	Colonoscopy												
	COL 45-75, 15	0	0	0.0	4062	283	55	23	0%	31.6	-	-	Yes
	Stool tests												
	FIT 45-75, 3	8777	0	0	1046	232	31	18	0%	4.2	Yes	No	
	FIT 45-75, 2	12158	0	0	1333	257	38	20	0%	11.6	Yes	Yes	
	HSgFOBT 45-75, 3	8097	0	0	1434	233	33	18	-10.8%	Dom.	-	No	
	FIT-DNA 45-75, 5	5489	0	0	1486	243	37	19	-7.6%	Dom.	-	No	
	HSgFOBT 45-75, 2	10852	0	0	1824	258	40	20	-6.9%	Dom.	-	Yes	
	FIT-DNA 45-75, 3	7510	0	0	1869	269	44	21	-3.7%	Dom.	-	Yes	
	FIT 45-75, 1	20234	0	0	1911	281	47	22	0%	23.9	Yes	Yes	Yes
	HSgFOBT 45-75, 1	16396	0	0	2530	282	49	22	-1.9%	1034.5*	No	Yes	
	FIT-DNA 45-75, 1	14124	0	0	2946	291	53	23	0%	100.7	No	Yes	
	Sigmoidoscopy												
	SIG 45-75, 10	0	3359	0	1510	214	41	17	0%	6.7	Yes	No	
	SIG 45-75, 5	0	5179	0	1973	240	46	20	0%	17.8	Yes	No	
	CT colonography												
	CTC 45-75, 10	0	0	3336	1608	261	48	21	0%	5.9	Yes	Yes	
	CTC 45-75, 5	0	0	5163	2045	284	53	23	0%	19.0	Yes	Yes	Yes
BF	Colonoscopy												
	COL 45-75, 15	0	0	0	3845	317	53	26	0%	24.4	-	-	Yes
	Stool tests												
	FIT 45-75, 3	8461	0	0	978	241	30	19	0%	3.8	Yes	No	
	FIT 45-75, 2	11722	0	0	1249	274	36	22	0%	8.1	Yes	No	
	HSgFOBT 45-75, 3	7815	0	0	1349	243	32	19	-13.5%	Dom.	-	No	
	FIT-DNA 45-75, 5	5288	0	0	1392	255	36	21	-10.1%	Dom.	-	No	
	HSgFOBT 45-75, 2	10472	0	0	1717	277	38	22	-9.4%	Dom.	-	No	
	FIT-DNA 45-75, 3	7257	0	0	1759	292	42	23	-5.4%	Dom.	-	Yes	
	FIT 45-75, 1	19536	0	0	1797	311	45	25	0%	14.9	Yes	Yes	Yes
	HSgFOBT 45-75, 1	15850	0	0	2391	312	47	25	-2.7%	Dom.	-	Yes	

	FIT-DNA 45-75, 1	13664	0	0	2789	327	52	26	0%	63.3	No	Yes	
	Sigmoidoscopy												
	SIG 45-75, 10	0	3231	0	1412	230	38	19	0%	5.9	Yes	No	
	SIG 45-75, 5	0	4992	0	1852	261	44	22	0%	14.2	Yes	No	
	CT colonography												
	CTC 45-75, 10	0	0	3211	1499	288	46	24	0%	5.0	Yes	Yes	
	CTC 45-75, 5	0	0	4980	1916	317	52	26	0%	14.3	Yes	Yes	Yes
WM	Colonoscopy												
	COL 45-75, 15	0	0	0.0	4098	307	64	27	0%	28.0	-	-	Yes
	Stool tests												
	FIT 45-75, 3	8194	0	0	1213	256	40	22	0%	4.4	Yes	No	
	FIT 45-75, 2	11274	0	0	1522	283	47	24	0%	11.5	Yes	Yes	
	HSgFOBT 45-75, 3	7576	0	0	1578	256	42	22	-10.2%	Dom.	-	No	
	FIT-DNA 45-75, 5	5102	0	0	1652	268	46	23	-7.2%	Dom.	-	No	
	HSgFOBT 45-75, 2	10082	0	0	1979	283	49	25	-6.2%	Dom.	-	Yes	
	FIT-DNA 45-75, 3	6966	0	0	2056	296	53	26	-3.2%	Dom.	-	Yes	
	FIT 45-75, 1	18598	0	0	2119	308	57	27	0%	23.8	Yes	Yes	Yes
	HSgFOBT 45-75, 1	15127	0	0	2689	308	58	27	-1.8%	8070.7*	No	Yes	
	FIT-DNA 45-75, 1	12911	0	0	3114	318	64	28	0%	99.4	No	Yes	
	Sigmoidoscopy												
	SIG 45-75, 10	0	3112	0	1711	248	51	22	0%	6.6	Yes	No	
	SIG 45-75, 5	0	4760	0	2185	275	58	25	0%	17.7	Yes	No	
	CT colonography												
	CTC 45-75, 10	0	0	3077	1854	287	58	26	0%	6.2	Yes	Yes	
	CTC 45-75, 5	0	0	4713	2303	312	64	27	0%	18.2	Yes	Yes	Yes
BM	Colonoscopy												
	COL 45-75, 15	0	0	0.0	3748	248	48	23	0%	27.7	-	-	Yes
	Stool tests												
	FIT 45-75, 3	7763	0	0	1085	195	29	18	0%	5.3	Yes	No	
	FIT 45-75, 2	10684	0	0	1366	219	35	20	0%	11.4	Yes	No	
	HSgFOBT 45-75, 3	7191	0	0	1423	195	31	18	-12.1%	Dom.	-	No	
	FIT-DNA 45-75, 5	4828	0	0	1483	205	34	19	-8.9%	Dom.	-	No	
	HSgFOBT 45-75, 2	9567	0	0	1791	220	36	21	-8.4%	Dom.	-	No	
	FIT-DNA 45-75, 3	6624	0	0	1860	232	40	21	-4.8%	Dom.	-	Yes	
	FIT 45-75, 1	17665	0	0	1914	247	43	23	0%	20.0	Yes	Yes	Yes
	HSgFOBT 45-75, 1	14396	0	0	2448	247	44	23	-2.4%	Dom.	-	Yes	
	FIT-DNA 45-75, 1	12303	0	0	2843	258	48	24	0%	84.2	No	Yes	

Sigmoidoscopy

SIG 45-75, 10	0	2938	0	1530	194	37	19	0%	7.6	Yes	No	
SIG 45-75, 5	0	4511	0	1966	217	42	21	0%	18.8	Yes	No	
CT colonography												
CTC 45-75, 10	0	0	2907	1655	229	43	22	0%	7.0	Yes	Yes	
CTC 45-75, 5	0	0	4469	2069	251	48	23	0%	19.0	Yes	Yes	Yes

SimCRC - Scenario 2: Increased CRC risk**WF****Colonoscopy**

COL 45-75, 10	0	0	0.0	5138	473	99	41	0%	29.4	-	-	Yes
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Stool tests

FIT 45-75, 3	8732	0	0	1155	348	48	28	0%	3.0	Yes	No	
FIT 45-75, 2	12090	0	0	1459	393	59	32	0%	6.8	Yes	No	
HSgFOBT 45-75, 3	8066	0	0	1539	350	52	28	-12.3%	Dom.	-	No	
FIT-DNA 45-75, 5	5466	0	0	1607	368	59	30	-8.9%	Dom.	-	No	
HSgFOBT 45-75, 2	10808	0	0	1945	396	63	32	-7.9%	Dom.	-	No	
FIT-DNA 45-75, 3	7484	0	0	2003	414	70	34	-4.7%	Dom.	-	No	
FIT 45-75, 1	20115	0	0	2064	439	76	36	0%	13.3	Yes	Yes	Yes
HSgFOBT 45-75, 1	16337	0	0	2676	440	79	36	-2.4%	Dom.	-	Yes	
FIT-DNA 45-75, 1	14057	0	0	3120	460	88	38	0%	49.4	No	Yes	

Sigmoidoscopy

SIG 45-75, 10	0	3257	0	2103	416	85	36	0%	4.8	Yes	No	
SIG 45-75, 5	0	4937	0	2567	446	92	38	0%	15.5	Yes	Yes	Yes

CT colonography

CTC 45-75, 10	0	0	3325	1780	405	79	35	0%	4.1	Yes	No	
CTC 45-75, 5	0	0	5134	2248	449	89	38	0%	10.4	Yes	Yes	Yes

BF**Colonoscopy**

COL 45-75, 10	0	0	0	4623	416	67	33	0%	34.8	-	-	Yes
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Stool tests

FIT 45-75, 3	8465	0	0	949	294	34	23	0%	3.0	Yes	No	
FIT 45-75, 2	11747	0	0	1207	336	42	26	0%	6.1	Yes	No	
HSgFOBT 45-75, 3	7822	0	0	1311	297	37	23	-14.0%	Dom.	-	No	
FIT-DNA 45-75, 5	5301	0	0	1347	312	41	25	-10.6%	Dom.	-	No	
HSgFOBT 45-75, 2	10500	0	0	1666	340	44	27	-10.1%	Dom.	-	No	
FIT-DNA 45-75, 3	7288	0	0	1700	359	49	28	-5.8%	Dom.	-	No	
FIT 45-75, 1	19641	0	0	1735	384	53	30	0%	10.9	Yes	Yes	Yes
HSgFOBT 45-75, 1	15942	0	0	2322	386	55	30	-2.9%	Dom.	-	Yes	
FIT-DNA 45-75, 1	13792	0	0	2709	406	61	32	0%	45.6	No	Yes	

SIG 45-75, 10	0	2842	0	1855	358	63	33	0%	4.9	Yes	No	
SIG 45-75, 5	0	4321	0	2277	388	70	35	0%	14.4	Yes	Yes	Yes
CT colonography												
CTC 45-75, 10	0	0	2823	1930	378	67	34	0%	4.9	Yes	No	
CTC 45-75, 5	0	0	4298	2348	412	73	37	0%	12.1	Yes	Yes	Yes

Abbreviations: BF = black female; BM = black male; COL = colonoscopy; CRC = colorectal cancer; CTC = computed tomographic colonography; Dom. = dominated strategy; ER = efficiency ratio (incremental burden-to-benefit ratio); FIT = fecal immunochemical test; FIT-DNA = multitarget stool DNA test; HSgFOBT = high-sensitivity guaiac-based fecal occult blood test; LYG = life-years gained; SIG = flexible sigmoidoscopy; WF = white female; WM = white male.

^a Both models evaluated two scenarios for CRC risk: one in which age-specific risks were assumed to have remained stable since the early screening period in the U.S. (1975-1979 for SimCRC; 1990-1994 for MISCAN), and one in which age-specific risks were assumed to have increased proportional to observed trends among adults under age 40 years.

^b Including deaths from complications of screening.

^c The difference in LYG compared to a combination of efficient strategies with similar number of required colonoscopies; measure of inefficiency. Values for strategies other than colonoscopy screening differ from those in Supplementary Table 3-6, as efficiency was reassessed including only strategies with similar start and stop ages as the benchmark (model-recommendable) colonoscopy strategy.

^d Efficiency ratio = incremental number of colonoscopies/LYG compared to the next less effective strategy on the efficient frontier; an incremental burden-to-benefit ratio. Values for strategies other than colonoscopy screening differ from those in Supplementary Table 3-6, as efficiency was reassessed including only efficient and near-efficient* options among the strategies with similar start and stop ages as the benchmark (model-recommendable) colonoscopy strategy.

^e Efficient or near-efficient strategy with an efficiency ratio lower than the benchmark (model-recommendable) colonoscopy strategy.

^f Efficient or near-efficient strategy with a lower burden-to-benefit ratio and at least 90% of the LYG compared to the benchmark (model-recommendable) colonoscopy strategy.

Supplementary Table 8. Model-Recommendable Strategies under Two Scenarios of CRC Risk, with Best-Case Test Performance Assumptions ^a

Model	Test class	Scenario 1: Stable CRC risk ^b				Scenario 2: Increased CRC risk ^c			
		White females	Black females	White males	Black males	White females	Black females	White males	Black males
MISCAN	COL	50-75, 10	45-75, 10	50-75, 10	45-75, 10	45-75, 10	45-75, 10	45-75, 5	45-75, 10
	Stool	FIT 50-75, 1	FIT 45-75, 1	FIT 50-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1
	SIG	-	-	50-75, 5	-	X	X	-	X
	CTC	50-75, 5	45-75, 5	50-75, 5	45-75, 5	45-75, 5	45-75, 5	-	45-75, 5
SimCRC	COL	45-75, 15	45-75, 15	45-75, 15	45-75, 15	45-75, 10	45-75, 10	45-75, 10	45-75, 10
	Stool	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 2	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1
	SIG	-	-	45-75, 5	-	45-75, 5	45-75, 5	45-75, 5	45-75, 5
	CTC	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5

Abbreviations: - = no model-recommendable strategy within this class; COL = colonoscopy; CRC = colorectal cancer; CTC = computed tomographic colonography; FIT = fecal immunochemical test; SIG = flexible sigmoidoscopy; X = class of screening modality was no longer recommended in the sensitivity analysis.

^a Numbers in each field of the table successively represent recommended age to start screening, age to stop, and interval, all in years. For the class of stool-based screening modalities, the model-recommendable modality is also included, i.e. FIT. Changes from the base-case are designated in bold-faced letters. Best-case test performance assumptions are provided in Table 1.

^b Risk within each age-, race-, and sex-specific demographic subgroup was assumed to have remained stable over time since the early screening period in the U.S (1975-1979 for SimCRC; 1990-1994 for MISCAN).

^c CRC risk was increased proportional to observed trends in CRC incidence among adults under 40 years old. Estimated incidence rate ratios were 1.80-1.90 for white females (range across models), 1.24-1.27 for black females, 2.07-2.13 for white males, and 1.41-1.56 for black males.

Supplementary Table 9. Model-Recommendable Strategies under Two Scenarios of CRC Risk, with Worst-Case Test Performance Assumptions ^a

Model	Test class	Scenario 1: Stable CRC risk ^b				Scenario 2: Increased CRC risk ^c			
		White females	Black females	White males	Black males	White females	Black females	White males	Black males
MISCAN	COL	50-75, 10	45-75, 10	50-75, 10	45-75, 10	45-75-10	45-75-10	45-75-5	45-75-10
	Stool	X	FIT 45-75, 1	FIT 50-75, 1	FIT 45-75, 1	FIT 45-75-1	FIT 45-75-1	FIT-DNA 45-75-1	FIT 45-75-1
	SIG	-	-	-	-	X	X	-	X
	CTC	X	X	X	X	X	X	-	X
SimCRC	COL	45-75, 15	45-75, 10	45-75, 10	45-75, 15	45-75-10	45-75-10	45-75-10	45-75-10
	Stool	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	X	FIT-DNA 45-75-1	FIT 45-75-1	FIT 45-75-1
	SIG	-	-	-	-	45-75-5	45-75-5	45-75-5	45-75-5
	CTC	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75-5	45-75-5	45-75-5	45-75-5

Abbreviations: - = no model-recommendable strategy within this class; COL = colonoscopy; CRC = colorectal cancer; CTC = computed tomographic colonography; FIT = fecal immunochemical test; FIT-DNA = multitarget stool DNA test; SIG = flexible sigmoidoscopy; X = class of screening modality was no longer recommended in the sensitivity analysis.

^a Numbers in each field of the table successively represent recommended age to start screening, age to stop, and interval, all in years. For the class of stool-based screening modalities, the model-recommendable modality is also included, i.e. FIT or FIT-DNA. Changes from the base-case are designated in bold-faced letters. Worst-case test performance assumptions are provided in Table 1.

^b Risk within each age-, race-, and sex-specific demographic subgroup was assumed to have remained stable over time since the early screening period in the U.S (1975-1979 for SimCRC; 1990-1994 for MISCAN).

^c CRC risk was increased proportional to observed trends in CRC incidence among adults under 40 years old. Estimated incidence rate ratios were 1.80-1.90 for white females (range across models), 1.24-1.27 for black females, 2.07-2.13 for white males, and 1.41-1.56 for black males.

Supplementary Table 10. Model-Recommendable Strategies under Two Scenarios of CRC Risk, Applying a Lower Acceptance Threshold for LYG Relative to the Benchmark Colonoscopy Strategy ^a

Model	Test class	Scenario 1: Stable CRC risk ^b				Scenario 2: Increased CRC risk ^c			
		White females	Black females	White males	Black males	White females	Black females	White males	Black males
MISCAN	COL	50-75, 10	45-75, 10	50-75, 10	45-75, 10	45-75, 10	45-75, 10	45-75, 5	45-75, 10
	Stool	FIT 50-75, 1	FIT 45-75, 1	FIT 50-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1
	SIG	50-75, 5	45-75, 5	50-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5
	CTC	50-75, 5	45-75, 5	50-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5
SimCRC	COL	45-75, 15	45-75, 15	45-75, 15	45-75, 15	45-75, 10	45-75, 10	45-75, 10	45-75, 10
	Stool	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1
	SIG	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5
	CTC	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5

Abbreviations: COL = colonoscopy; CRC = colorectal cancer; CTC = computed tomographic colonography; FIT = fecal immunochemical test; SIG = flexible sigmoidoscopy.

^a Model-recommendable strategies were required to provide at least 75% (rather than 90% in the base-case) of the predicted LYG for the model-recommendable colonoscopy screening strategy. Numbers in each field of the table successively represent recommended age to start screening, age to stop, and interval, all in years. For the class of stool-based screening modalities, the model-recommendable modality is also included, i.e. FIT. Changes from the base-case are designated in bold-faced letters.

^b Risk within each age-, race-, and sex-specific demographic subgroup was assumed to have remained stable over time since the early screening period in the U.S (1975-1979 for SimCRC; 1990-1994 for MISCAN).

^c CRC risk was increased proportional to observed trends in CRC incidence among adults under 40 years old. Estimated incidence rate ratios were 1.80-1.90 for white females (range across models), 1.24-1.27 for black females, 2.07-2.13 for white males, and 1.41-1.56 for black males.

Supplementary Table 11. Model-Recommendable Strategies under Two Scenarios of CRC Risk, Applying a More Stringent Acceptance Threshold for Required Number of Colonoscopies per LYG ^a

Model	Test class	Scenario 1: Stable CRC risk ^b				Scenario 2: Increased CRC risk ^c			
		White females	Black females	White males	Black males	White females	Black females	White males	Black males
MISCAN	COL	50-75, 10 ^d	50-75, 10	50-75, 10	50-75, 10	45-75, 10	45-75, 10	45-75, 5	45-75, 10
	Stool	FIT 50-75, 1	FIT 50-75, 1	FIT 50-75, 1	FIT 50-75, 1	FIT 45-75, 1	FIT 45-75, 1	-	FIT 45-75, 1
	SIG	-	-	-	-	45-75, 5	45-75, 5	-	45-75, 5
	CTC	50-75, 5	50-75, 5	50-75, 5	50-75, 5	45-75, 5	45-75, 5	-	45-75, 5
SimCRC	COL	45-75, 15	45-75, 15	45-75, 15	45-75, 15	45-75, 10	45-75, 10	45-75, 10	45-75, 10
	Stool	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1	FIT 45-75, 1
	SIG	-	-	-	-	45-75, 5	45-75, 5	45-75, 5	45-75, 5
	CTC	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5	45-75, 5

Abbreviations: - = no model-recommendable strategy within this class; COL = colonoscopy; CRC = colorectal cancer; CTC = computed tomographic colonography; FIT = fecal immunochemical test; SIG = flexible sigmoidoscopy.

^a Model-recommendable strategies could require no more than 40 additional colonoscopies per LYG (rather than 50 in the base-case) compared to the next less effective strategy on the efficient frontier. Numbers in each field of the table successively represent recommended age to start screening, age to stop, and interval, all in years. For the class of stool-based screening modalities, the model-recommendable modality is also included, i.e. FIT. Changes from the base-case are designated in bold-faced letters.

^b Risk within each age-, race-, and sex-specific demographic subgroup was assumed to have remained stable over time since the early screening period in the U.S (1975-1979 for SimCRC; 1990-1994 for MISCAN).

^c CRC risk was increased proportional to observed trends in CRC incidence among adults under 40 years old. Estimated incidence rate ratios were 1.80-1.90 for white females (range across models), 1.24-1.27 for black females, 2.07-2.13 for white males, and 1.41-1.56 for black males.

^d For white females, MISCAN-Colon recommended colonoscopy every 10 years between age 50 and 75 years despite failure to meet the applied burden-to-benefit ratio criterion. Less intensive strategies did not meet the prioritized benefit criterion.