

Online Supplementary Material

Supplemental Digital Content 1. 10-year prevalence of colonoscopy use (overall, screening and diagnostic) in 2017 according to age in women and men.

Supplemental Digital Content 2. 5-year prevalence of colonoscopy use (screening and diagnostic) in 2017 according to age in women and men.

Supplemental Digital Content 3. Proportion of persons with a colonoscopy (overall, screening and diagnostic) in the previous 10 years and any codes indicating the presence of prevalent CRC in the 2 years prior to colonoscopy, stratified by age.

Supplemental Digital Content 4. Potential reasons for diagnostic colonoscopies: Prevalence of codes for relevant diagnoses, symptoms or other conditions recorded in persons before diagnostic colonoscopy.

Supplemental Digital Content 5. Proportion of women and men aged ≤ 65 years and >65 years for whom no information on the educational level was available or without a formal degree.

Supplemental Digital Content 1. 10-year prevalence of colonoscopy use (overall, screening and diagnostic) in 2017 according to age in women and men.

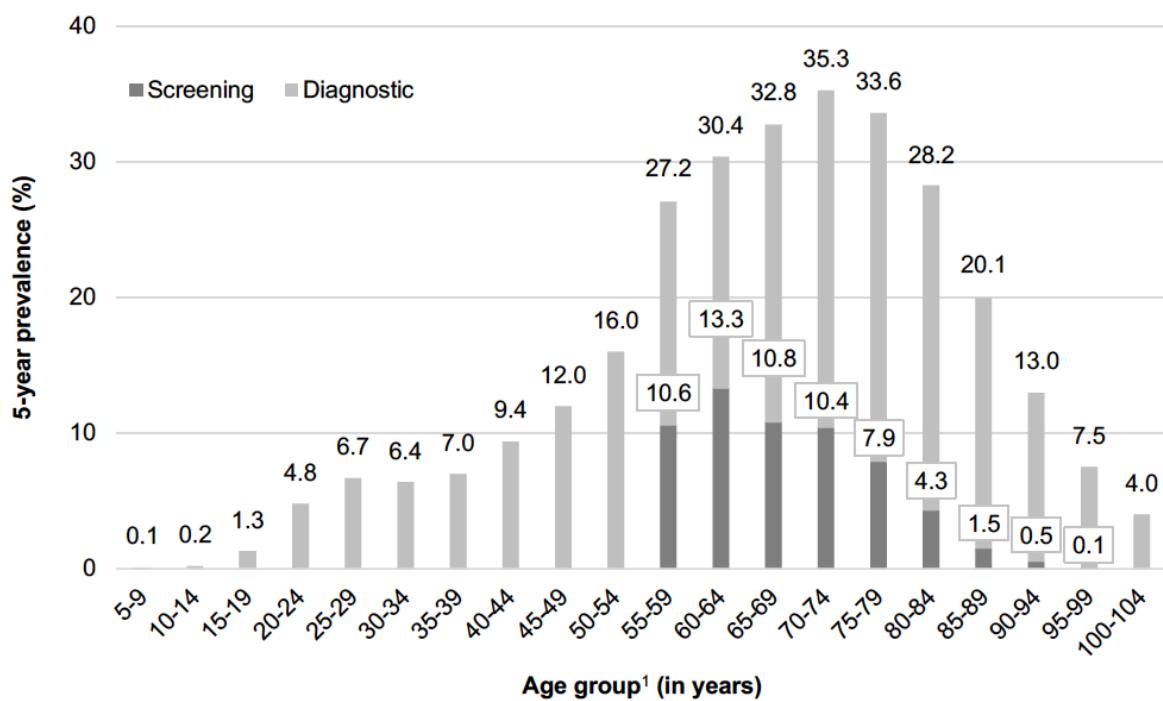
	Overall % (95% CI)	Type of colonoscopy	
		Screening % (95% CI)	Diagnostic % (95% CI)
Total	30.6 (30.6-30.6)	9.5 (9.5-9.5)	21.1 (21.1-21.1)
Women (n= 4,102,177)			
Total	31.4 (31.4-31.5)	9.2 (9.2-9.2)	22.2 (22.2-22.3)
Age¹ (in years)			
10-14	0.3 (0.3-0.4)	n.a.	0.3 (0.3-0.4)
15-19	1.4 (1.4-1.5)	n.a.	1.4 (1.4-1.5)
20-24	5.7 (5.6-5.8)	n.a.	5.7 (5.6-5.8)
25-29	10.2 (10.0-10.4)	n.a.	10.2 (10.0-10.4)
30-34	11.0 (10.9-11.2)	n.a.	11.0 (10.9-11.2)
35-39	11.4 (11.2-11.5)	n.a.	11.4 (11.2-11.5)
40-44	13.9 (13.8-14.1)	n.a.	13.9 (13.8-14.1)
45-49	17.7 (17.5-17.8)	n.a.	17.7 (17.5-17.8)
50-54	22.8 (22.7-22.9)	n.a.	22.8 (22.7-22.9)
55-59	35.7 (35.5-35.8)	9.6 (9.5-9.7)	26.1 (26.0-26.2)
60-64	46.5 (46.3-46.6)	22.4 (22.3-22.6)	24.0 (23.9-24.2)
65-69	50.5 (50.3-50.6)	24.4 (24.3-24.5)	26.1 (25.9-26.2)
70-74	52.2 (52.0-52.4)	20.5 (20.4-20.7)	31.7 (31.5-31.8)
75-79	50.9 (50.7-51.1)	16.6 (16.5-16.7)	34.3 (34.2-34.5)
80-84	46.3 (46.1-46.5)	11.4 (11.3-11.5)	34.9 (34.7-35.0)
85-89	37.7 (37.4-38.0)	6.1 (5.9-6.2)	31.7 (31.4-31.9)
90-94	29.1 (28.7-29.5)	2.9 (2.7-3.0)	26.2 (25.9-26.6)
95-99	20.5 (19.9-21.2)	1.2 (1.0-1.4)	19.3 (18.6-19.9)
100-104	12.2 (10.2-14.2)	0.1 (0.0-0.3)	12.1 (10.1-14.1)
≥ 105	2.6 (0.0-6.1)	1.3 (0.0-3.8)	1.3 (0.0-3.8)
Men (n= 3,373,491)			
Total	29.6 (29.6-29.7)	9.9 (9.8-9.9)	19.7 (19.7-19.8)
Age¹ (in years)			
10-14	0.4 (0.4-0.5)	n.a.	0.4 (0.4-0.5)
15-19	1.0 (1.0-1.1)	n.a.	1.0 (1.0-1.1)
20-24	3.2 (3.1-3.3)	n.a.	3.2 (3.1-3.3)
25-29	5.8 (5.6-5.9)	n.a.	5.8 (5.6-5.9)
30-34	7.7 (7.6-7.8)	n.a.	7.7 (7.6-7.8)
35-39	9.5 (9.4-9.7)	n.a.	9.5 (9.4-9.7)
40-44	12.0 (11.8-12.2)	n.a.	12.0 (11.8-12.1)
45-49	15.5 (15.3-15.6)	n.a.	15.5 (15.3-15.6)
50-54	20.6 (20.5-20.7)	n.a.	20.6 (20.5-20.7)
55-59	33.2 (33.0-33.3)	9.6 (9.5-9.7)	23.6 (23.4-23.7)
60-64	44.2 (44.0-44.4)	23.1 (23.0-23.3)	21.1 (20.9-21.2)
65-69	49.2 (49.0-49.4)	25.8 (25.6-25.9)	23.4 (23.3-23.6)
70-74	52.6 (52.4-52.8)	22.9 (22.8-23.1)	29.6 (29.5-29.8)
75-79	54.1 (53.9-54.3)	19.6 (19.5-19.8)	34.5 (34.3-34.7)
80-84	51.7 (51.4-51.9)	14.8 (14.6-15.0)	36.9 (36.7-37.1)
85-89	44.7 (44.4-45.1)	9.2 (9.0-9.4)	35.5 (35.2-35.9)
90-94	36.7 (36.1-37.4)	5.5 (5.2-5.8)	31.3 (30.7-31.9)
95-99	27.6 (26.2-29.1)	3.1 (2.5-3.6)	24.6 (23.2-26.0)
100-104	13.1 (7.9-18.4)	0.6 (0.0-1.8)	12.5 (7.4-17.6)
≥ 105	13.3 (0.0-30.5)	0.0 (0.0-0.0)	13.3 (0.0-30.5)

CI= confidence interval; n.a.= not applicable

¹Age in year 2017

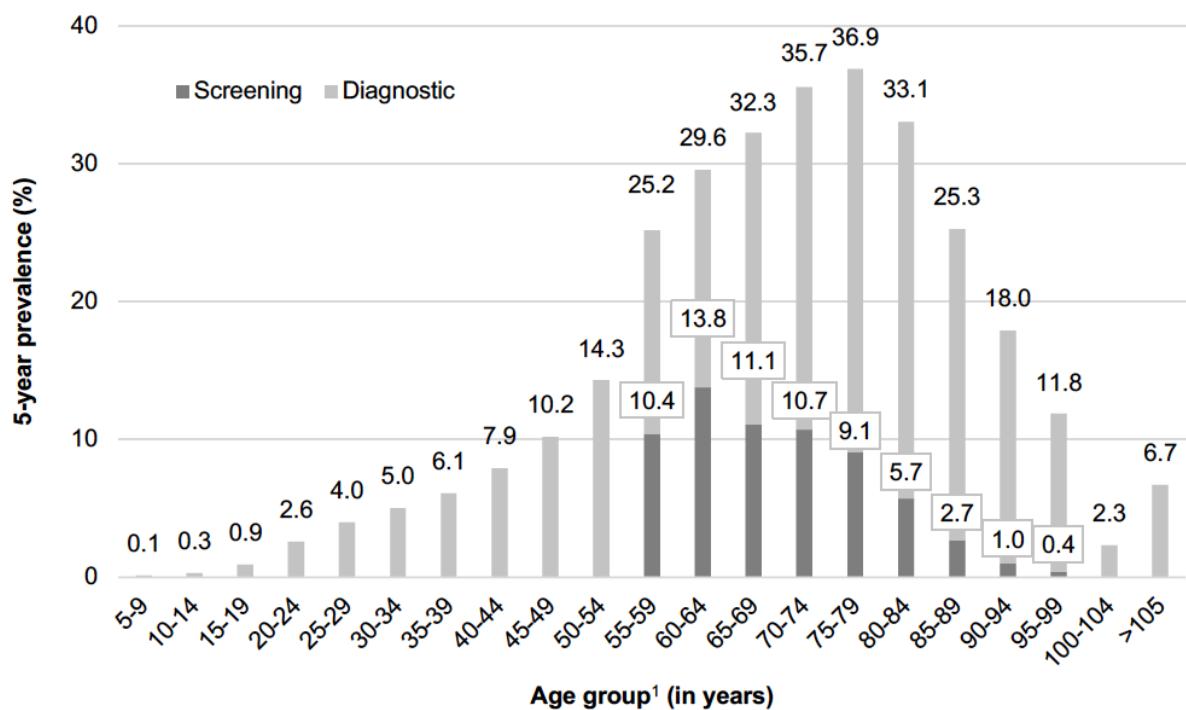
Supplemental Digital Content 2. 5-year prevalence of colonoscopy use (screening and diagnostic) in 2017 according to age in women and men.

Women:



¹Age in 2017

Men:



¹Age in 2017

Supplemental Digital Content 3. Proportion of persons with a colonoscopy (overall, screening and diagnostic) in the previous 10 years and any codes indicating the presence of prevalent CRC in the 2 years prior to colonoscopy, stratified by age.

	Overall N (%)	Type of colonoscopy	
		Screening N (%)	Diagnostic N (%)
Total	77,378 (3.4)	10,434 (1.5)	66,944 (4.2)
Age¹ (in years)			
10-24	39 (0.2)	n.a.	39 (0.2)
25-29	36 (0.2)	n.a.	36 (0.2)
30-34	79 (0.3)	n.a.	79 (0.3)
35-39	202 (0.5)	n.a.	202 (0.5)
40-44	300 (0.6)	n.a.	300 (0.6)
45-49	783 (0.9)	n.a.	783 (0.9)
50-54	1,984 (1.1)	n.a.	1,984 (1.1)
55-59	3,479 (1.3)	380 (0.5)	3,099 (1.6)
60-64	5,141 (1.6)	1,064 (0.7)	4,077 (2.6)
65-69	8,963 (2.9)	2,063 (1.3)	6,900 (4.4)
70-74	13,151 (4.5)	2,477 (2.0)	10,674 (6.2)
75-79	19,850 (5.4)	2,736 (2.2)	17,114 (7.1)
≥80	23,371 (7.4)	1,714 (2.4)	21,657 (8.8)

CI= confidence interval; n.a.= not applicable

¹Age in 2017

Supplemental Digital Content 4. Potential reasons for diagnostic colonoscopies: Prevalence of codes for relevant diagnoses, symptoms or other conditions recorded in persons before diagnostic colonoscopy.

	Diagnostic colonoscopy (n= 1,576,672)
	N (%)
Diagnoses or symptoms^{1,2}	
Abnormal weight loss	46,832 (2.97)
Acute abdominal pain	428,382 (27.17)
Anemia	103,742 (6.58)
Crohn's disease and/or ulcerative colitis	74,733 (4.74)
Diverticulosis	482,526 (30.60)
Diverticulosis with bleeding	17,448 (1.11)
Faecal abnormalities	37,234 (2.36)
Faecal occult blood test	232,924 (14.77)
Hemorrhage of anus and rectum	57,346 (3.64)
Irritable bowel syndrome	105,444 (6.69)
Unspecified gastrointestinal bleedings	89,909 (5.70)
Any of the above	1,109,454 (70.37)

¹ Within the same quarter or the quarter before the diagnostic colonoscopy.

² More than one code for diagnosis or symptom per person possible.

Supplemental Digital Content 5. Proportion of women and men aged ≤ 65 years and >65 years for whom no information on the educational level was available or without a formal degree.

	Age $\leq 65$¹	Age $>65$¹
	%	%
Women		
Educational level		
Degree unknown/missing	13.8	88.2
No formal degree	0.1	0.0
Men		
Educational level		
Degree unknown/missing	13.3	73.7
No formal degree	0.2	0.0

¹Age in 2017