Cancer Factsheet
Colorectal
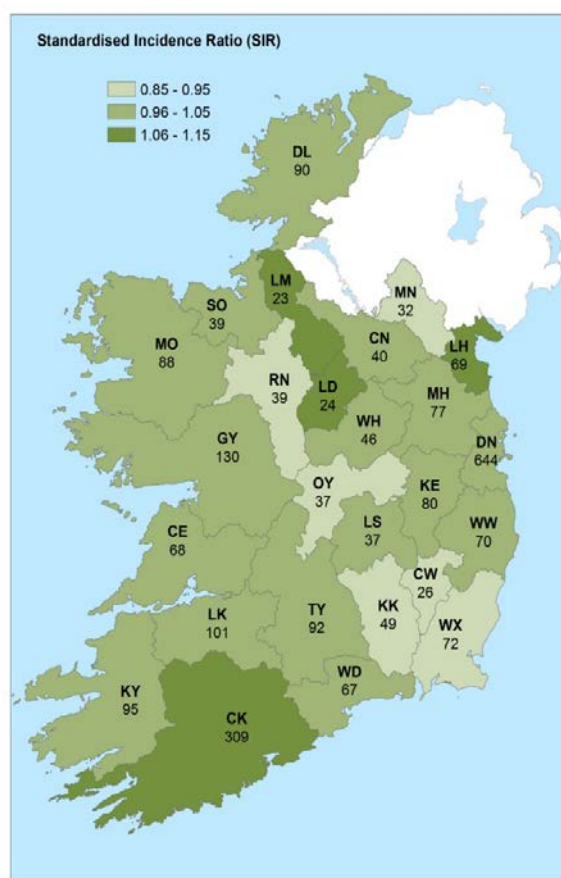
National Cancer Registry Ireland

Key facts

	Females	Males	Total
Number of new cases per year	1,131	1,644	2,775
Incidence rate (cases per 100,000 per year)	39.9	65.2	-
Cumulative lifetime risk of diagnosis (to age 74)	1 in 33	1 in 20	-
Percentage of all invasive cancers *	10.8%	13.8%	12.4%
Ranking among most common cancers *	3rd	2nd	3rd
Number of deaths per year	424	576	1,000
Mortality rate (deaths per 100,000 per year)	14.4	24.8	-
Cumulative lifetime risk of death (to age 74)	1 in 110	1 in 62	-
Percentage of all cancer deaths	10%	12%	11%
Ranking among most common invasive cancer deaths	3rd	2nd	2nd
Number of people with this cancer still alive, end 2015 #	8,166	10,372	18,538
Number alive per 100,000	356	453	400

invasive cancers only, excluding non-melanoma skin cancer

 # diagnosed since 1994

Cases mapped by county

Standardised Incidence Ratio (SIR)
- 0.85 - 0.95
- 0.96 - 1.05
- 1.06 - 1.15

DL 90, LM 23, MN 32, SO 39, MO 88, CN 40, LH 69, RN 39, LD 24, MH 77, WH 46, GY 130, DN 644, OY 37, KE 80, LS 37, WW 70, CE 68, CW 26, LK 101, TY 92, KK 49, WX 72, WD 67, KY 95, CK 309

Annual average number of cases, 2005-2015: colours indicate higher or lower than expected based on national rates

Age profile at diagnosis and death

CASES
- <50 yrs 8%
- 50-64 yrs 25%
- 65-74 yrs 31%
- 75+ yrs 36%

Median age group=65-69

DEATHS
- <50 yrs 3%
- 50-64 yrs 19%
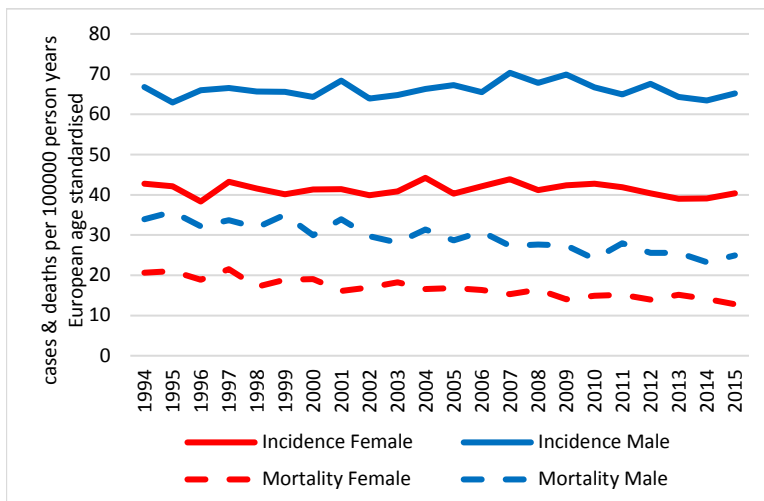- 65-74 yrs 26%
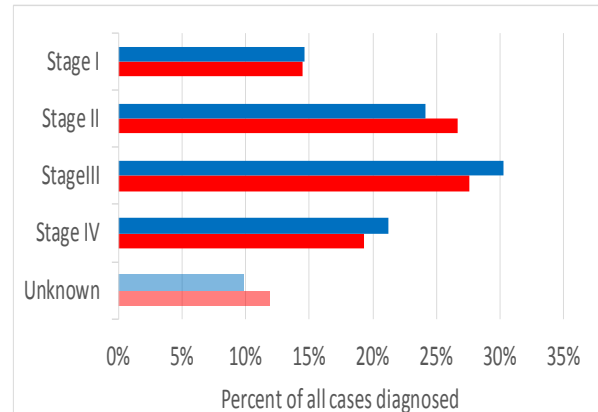- 75+ yrs 52%

Median age group=75-79
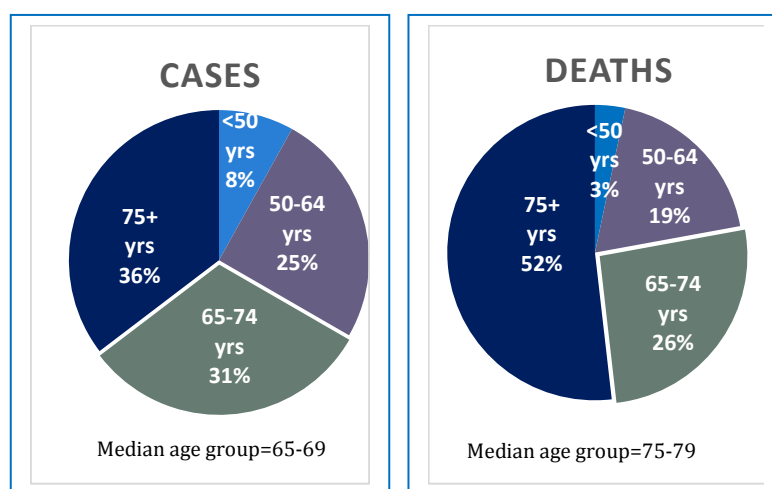
Top risk factors

- *Family history*
- *Tobacco smoking*
- *Alcohol*
- *Greater body fatness*
- *Red and processed meat*
- *Asbestos*
- *Ionizing radiation*

Trend in incidence and mortality

y-axis: cases & deaths per 100000 person years European age standardised

Legend:
— Incidence Female
— Incidence Male
- - Mortality Female
- - Mortality Male

APC# Incidence: Males (*94-15*) 0.0%; Females (*94-15*) -0.1%
Mortality: Males (*94-15*) -1.7%; Females (*94-15*) -2.0%

 # Annual Percentage Change

Stage at diagnosis

Stage I, Stage II, StageIII, Stage IV, Unknown

Percent of all cases diagnosed

Treatment within 1 year

95% pathologically diagnosed

17% Radiotherapy
(Colon: 2%, Rectum:52%)

41% Chemotherapy
(Colon:34%, Rectum:55%)

73% Surgery
(Colon: 77%, Rectum: 70%)

% of all cases diagnosed 2013-2015

5 year net survival

Diagnosed	Net survival (age standardised)	95% Confidence interval
1994-1998	49.9%	48.5-51.3%
1999-2003	52.1%	50.8-53.5%
2004-2008	57.9%	56.8-59.0%
2009-2013	62.6%	61.2-64.0%

10 year net survival (hybrid analysis):

57.0% (55.1-58.9%)

Information on cancer mortality provided by the Central Statistics Office. Incidence: 2015-2017 estimated averages and mortality: 2012-2014 averages.

Last updated May 2018 © National Cancer Registry, Ireland