



Colorectal cancer

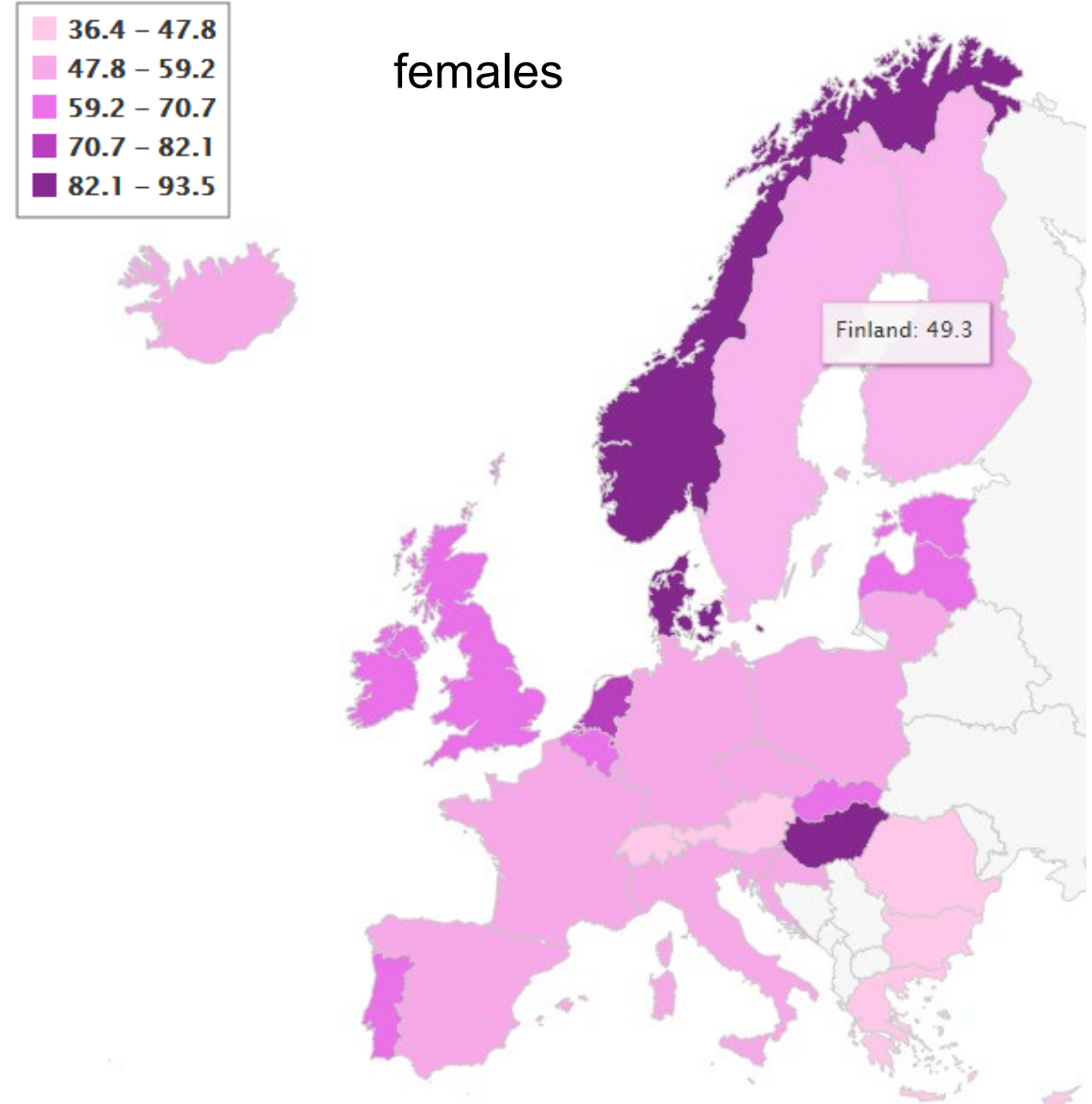
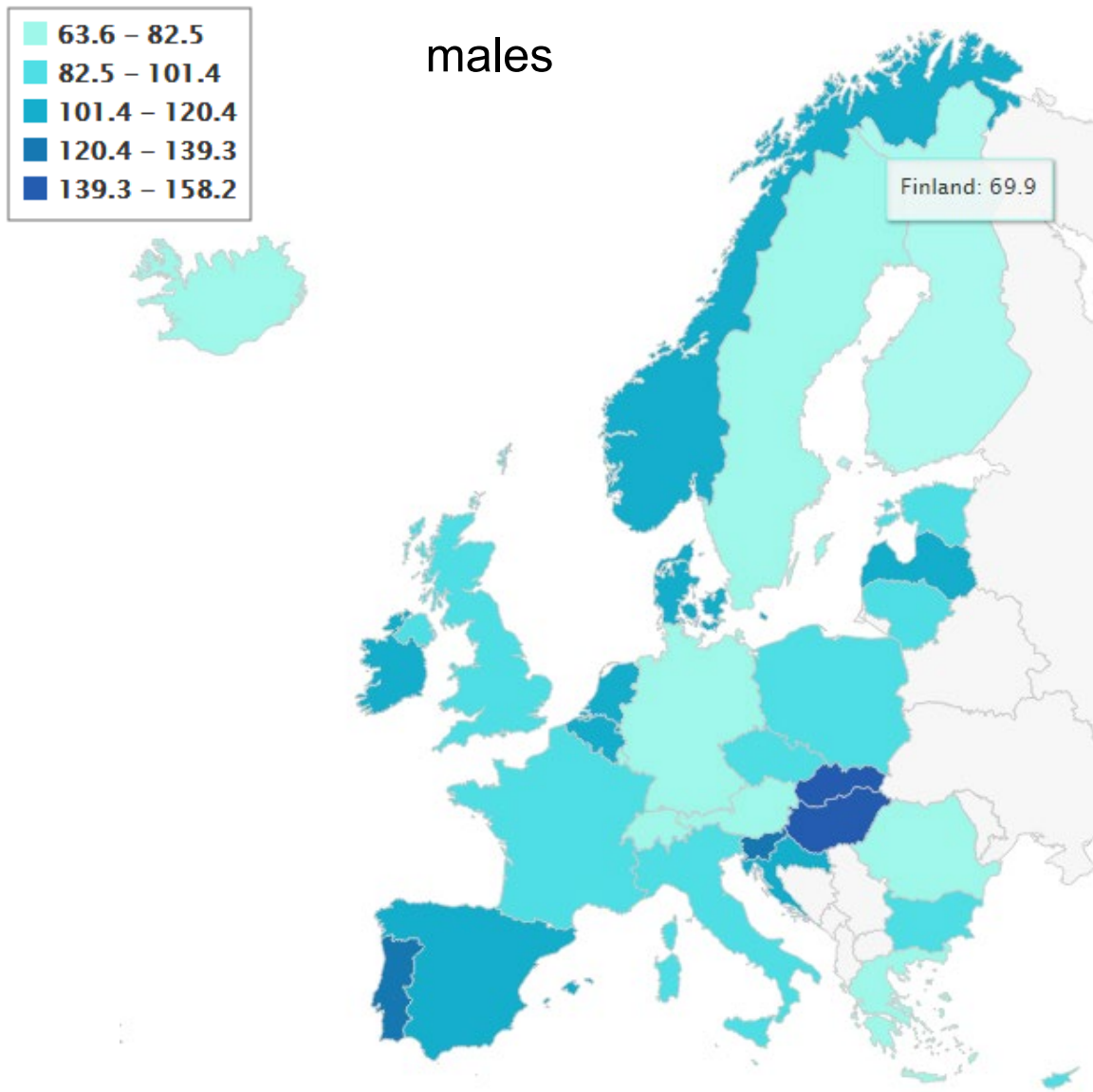
Coding issues

Otto Visser
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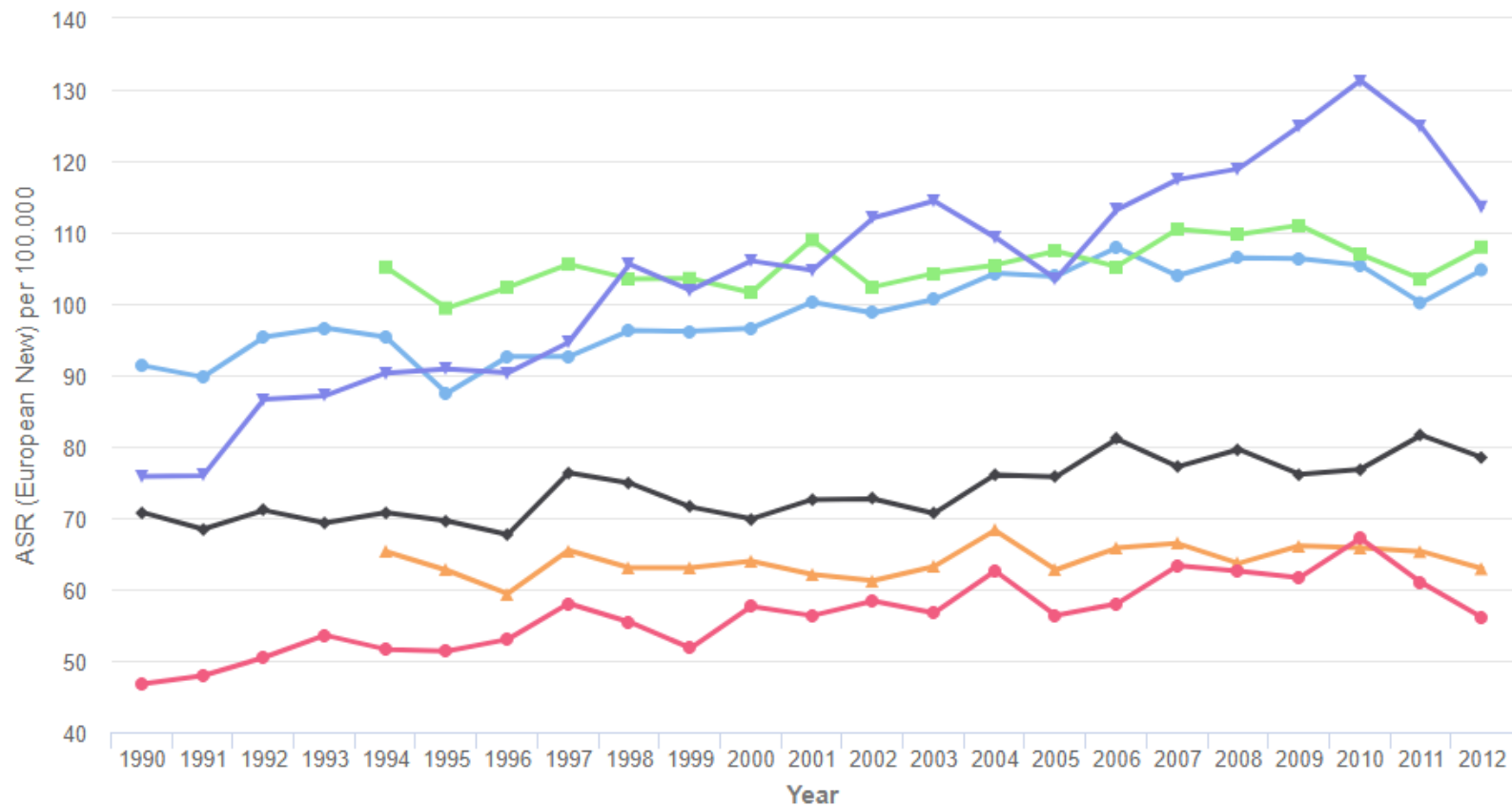
Introduction

- Epidemiological information
 - Incidence & mortality trend in Europe, survival
 - Distribution according to age and sex
- Topography & morphology
- Stage
- Treatment

Incidence of colorectal cancer in Europe in 2018

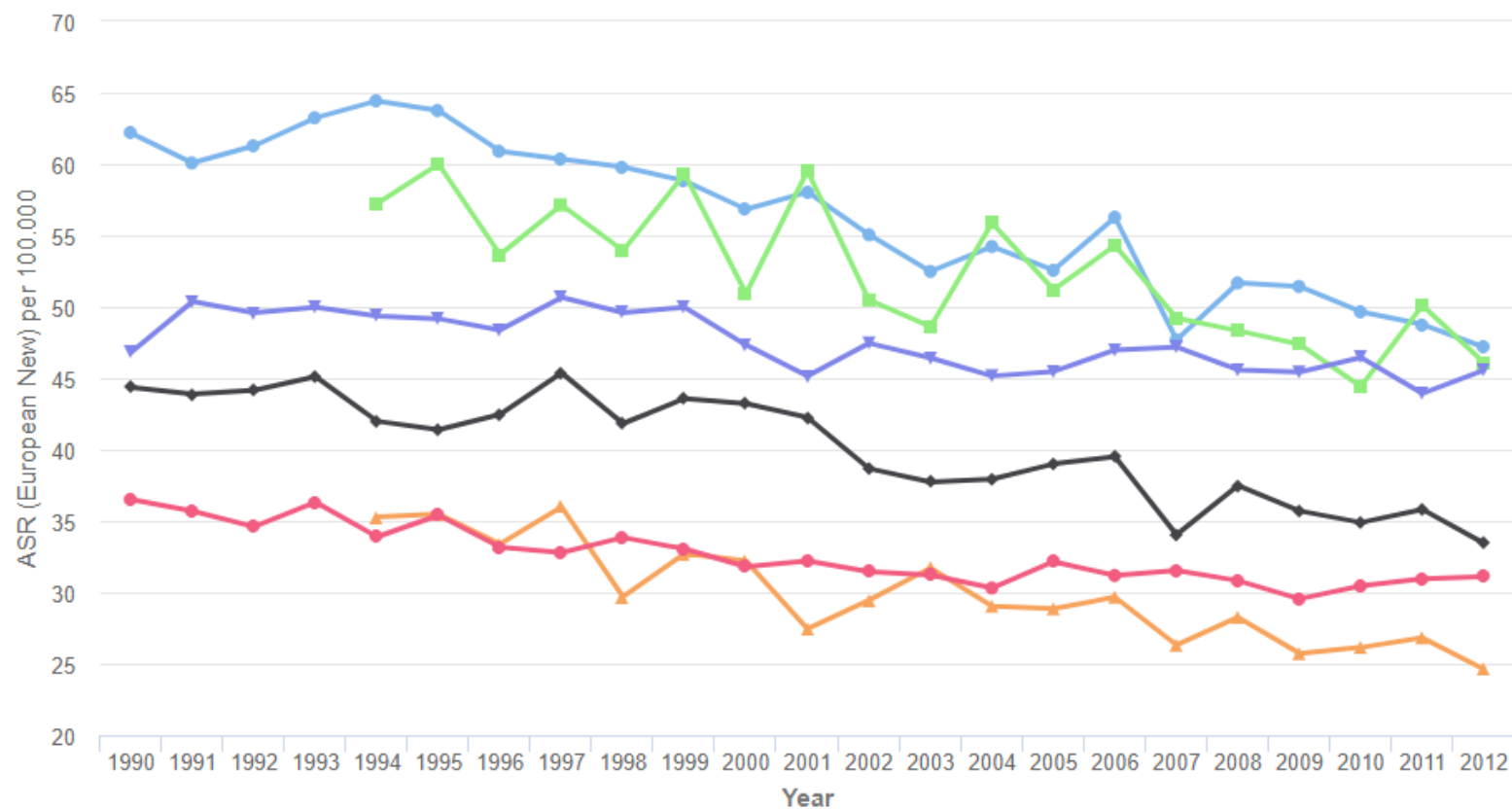


Trends in colorectal cancer incidence



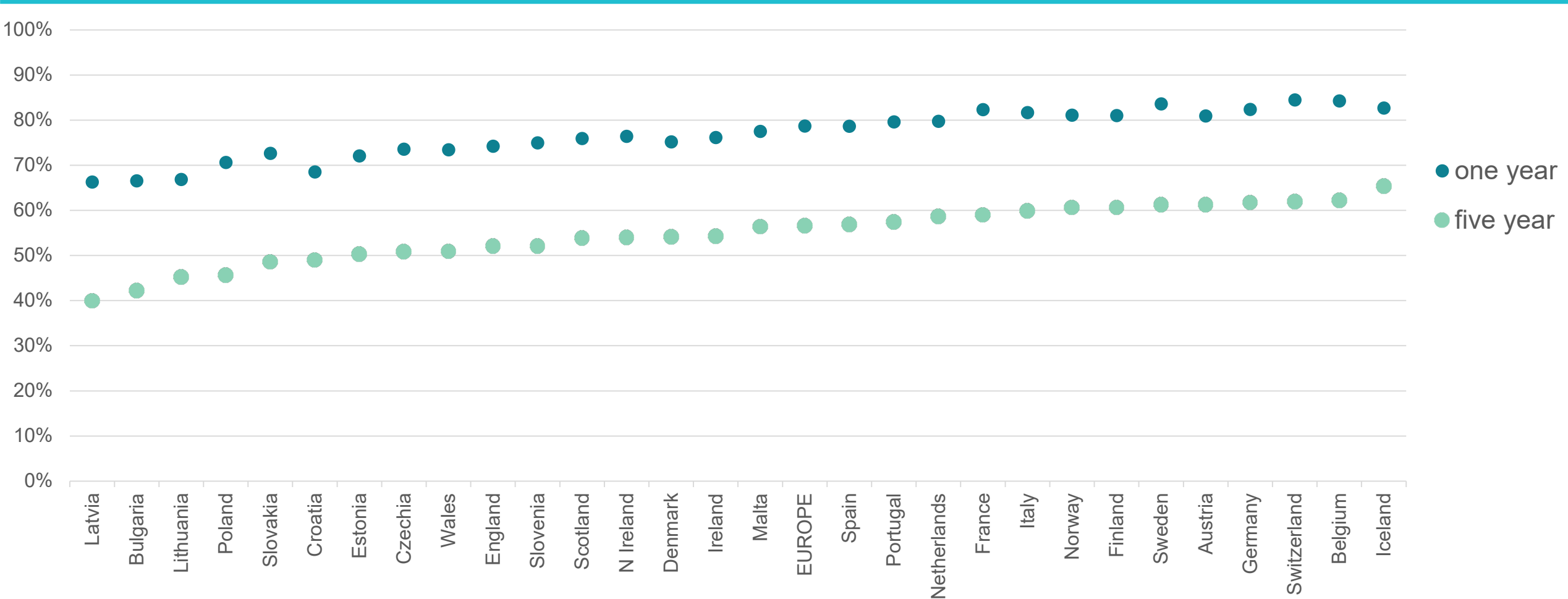
Indicator	Registry	Sex	Cancer	Age Group	▲
Incidence	DK Denmark	Male	Colon, rectum, and anus	0-85+	—
Incidence	DK Denmark	Female	Colon, rectum, and anus	0-85+	—
Incidence	IE Ireland	Male	Colon, rectum, and anus	0-85+	—
Incidence	IE Ireland	Female	Colon, rectum, and anus	0-85+	—
Incidence	SI Slovenia	Male	Colon, rectum, and anus	0-85+	—
Incidence	SI Slovenia	Female	Colon, rectum, and anus	0-85+	—

Trends in colorectal cancer mortality



Indicator	Registry	Sex	Cancer	Age Group	▲
Mortality	DK Denmark	Male	Colon, rectum, and anus	0-85+	—
Mortality	DK Denmark	Female	Colon, rectum, and anus	0-85+	—
Mortality	IE Ireland	Male	Colon, rectum, and anus	0-85+	—
Mortality	IE Ireland	Female	Colon, rectum, and anus	0-85+	—
Mortality	NL Netherlands	Male	Colon, rectum, and anus	0-85+	—
Mortality	NL Netherlands	Female	Colon, rectum, and anus	0-85+	—

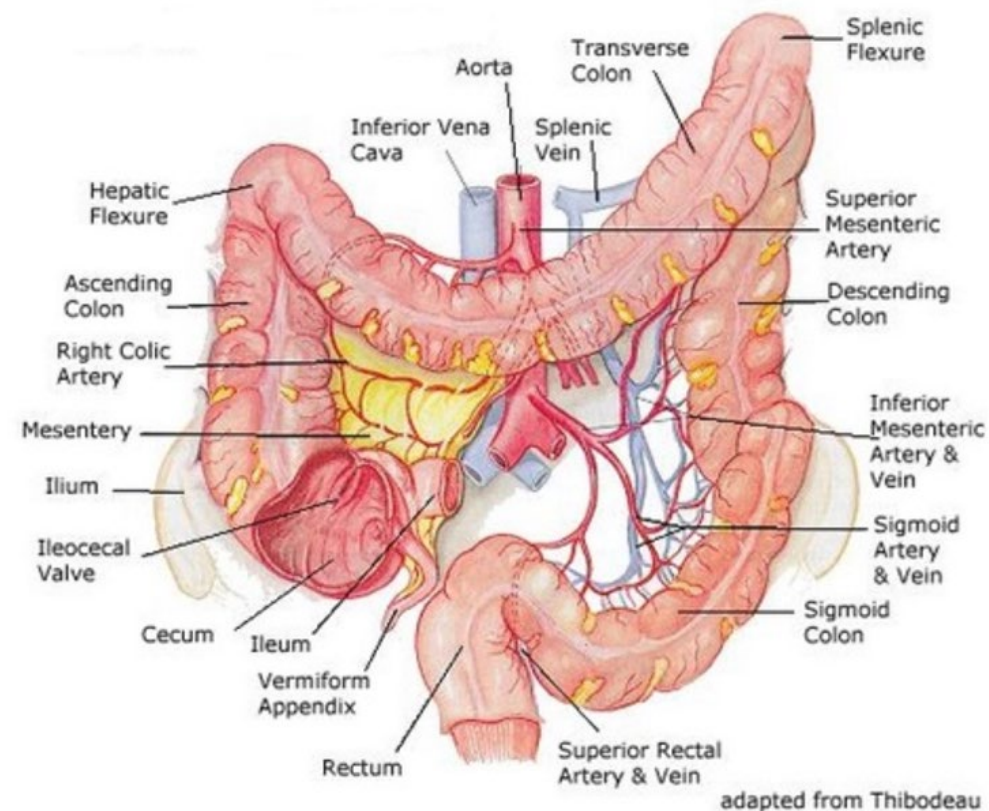
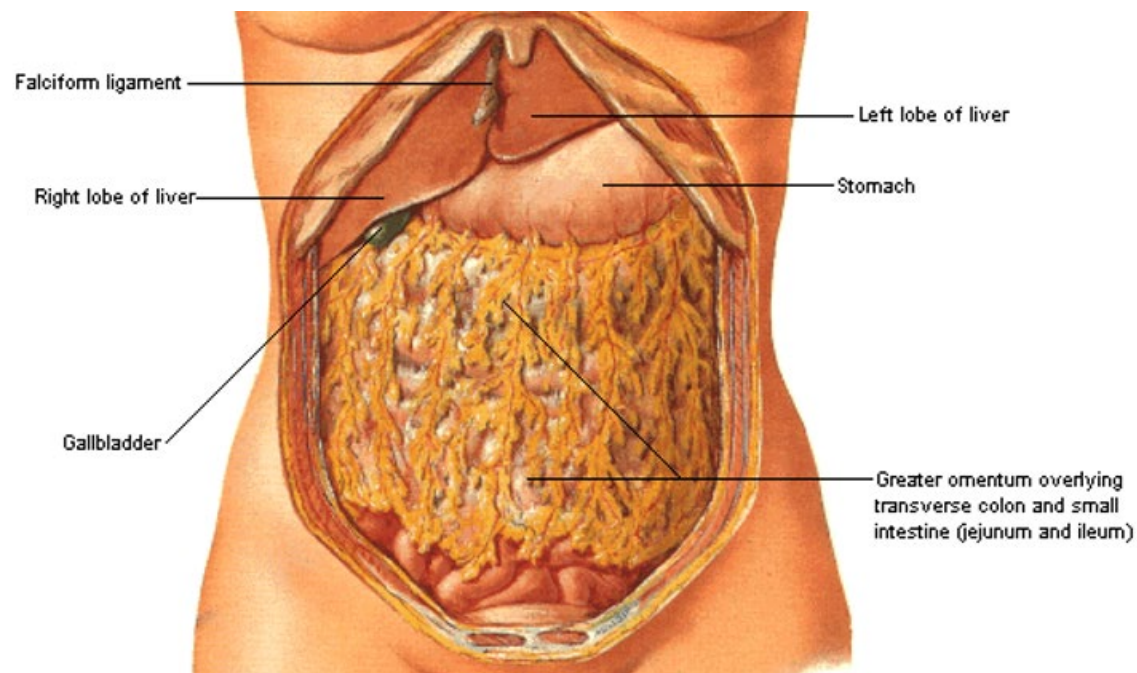
Relative survival of colorectal cancer (2000-2007)





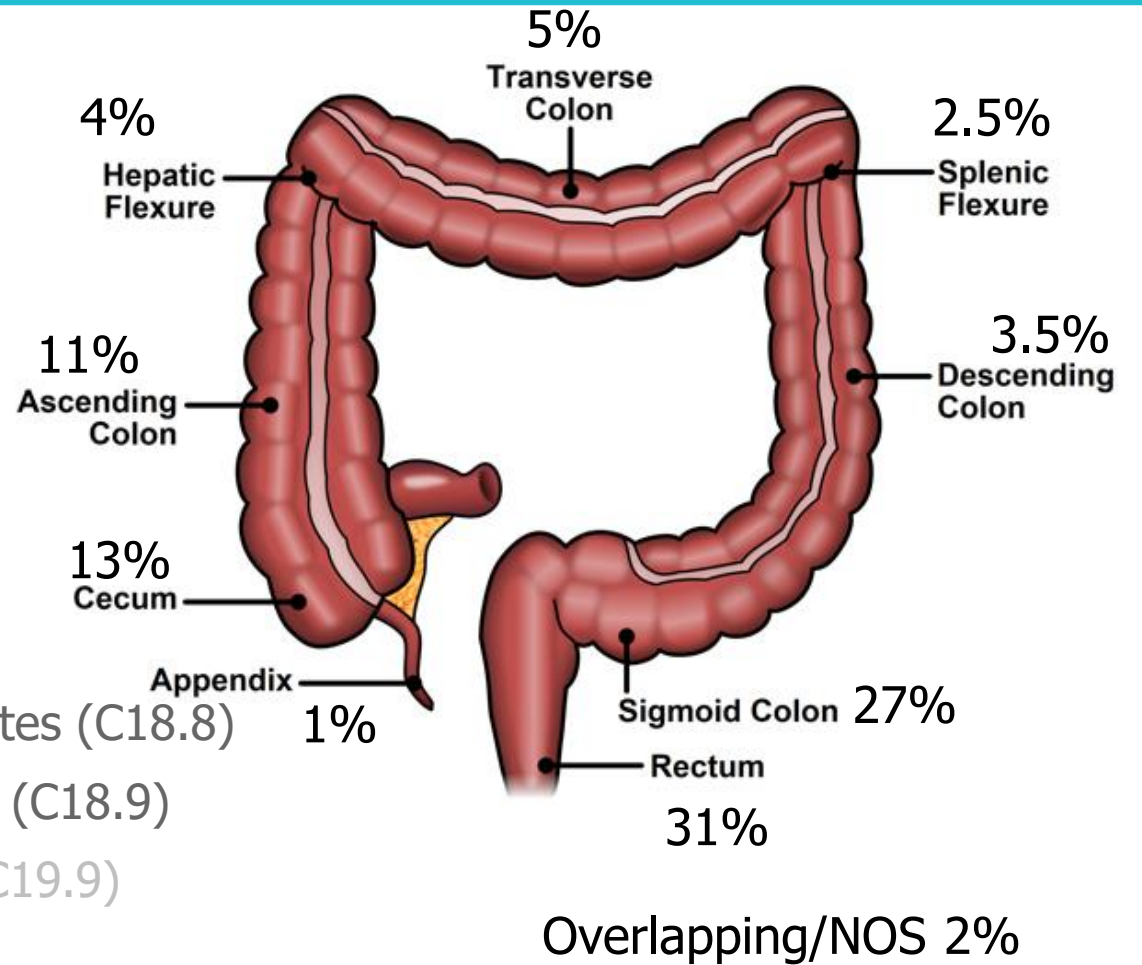
Topography

Anatomy



Topography codes of the colon & rectum

- Cecum (C18.0)
- Appendix (C18.1)
- Ascending colon (C18.2)
- Hepatic flexure of colon (C18.3)
- Transverse colon (C18.4)
- Splenic flexure of colon (C18.5)
- Descending colon (C18.6)
- Sigmoid colon (C18.7)
- Overlapping or multiple in anatomically contiguous subsites (C18.8)
- NOS or multiple in anatomically non-contiguous subsites (C18.9)
- Rectosigmoid junction or multiple in colon and rectum (C19.9)
- Rectum (C20.9)



Multiple tumours

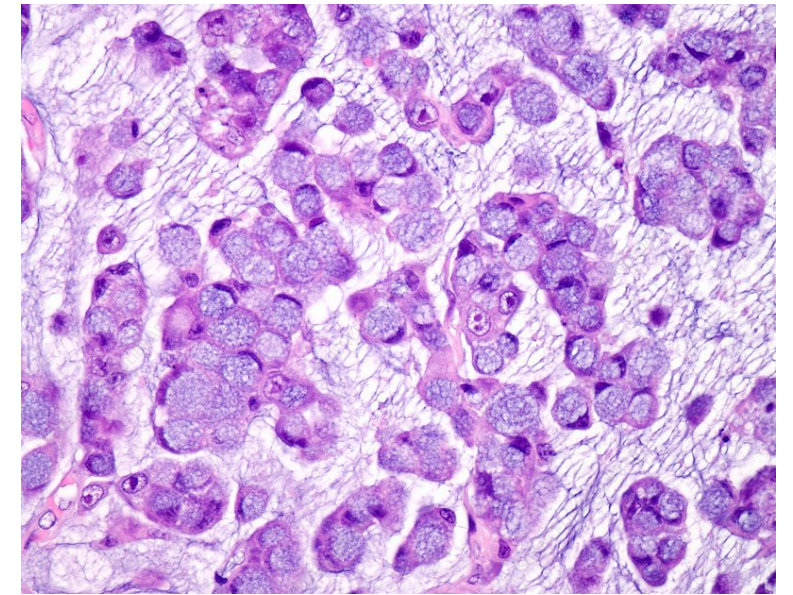
- IACR: 1 tumour for C18; 1 tumour for C19/C20
- Registries are free to register multiple tumours of the colon, but only 1 should be included in the incidence



Morphology

Morphology

- Adenocarcinoma (intestinal): 8140/3 (8144/3)
 - Mucinous: 8480/3 (mucin-producing: 8481/3) → extracellular mucin
 - In a tubulovillous adenoma: 8263/3
 - In an adenomatous polyp: 8210/3
 - Signet cell: 8490/3 → intracellular mucin
 - Tubular: 8211/3
 - Medullary: 8510/3
 - Serrated: 8213/3
- Undifferentiated carcinoma (8020/34)
- Neuroendocrine tumour/neuroendocrine carcinoma



Non-epithelial cancers of the colorectum

- Gastrointestinal stromal tumour (GIST; mostly in the rectum) → 8936/3
- Leiomyosarcoma → 8890/3
- (Mucosal) melanoma (mostly in the rectum) → 8720/3 (8746/3)
- Diffuse large B-cell lymphoma → 9680/3
- MALT lymphoma → 9699/3
- Mantle cell lymphoma → 9673/3

Tumours of the appendix

- Neuro-endocrine tumours (NET grade 1 = carcinoid = 8240/3)
- Mucinous adenocarcinoma (8480/3), signet cell adenocarcinoma (8490/3), adenocarcinoma, NOS (8140/3)
- Mixed adenoneuroendocrine carcinoma: MANEC (8244/3)
- Goblet cell adenocarcinoma/carcinoid (8243/3)

Not to be included in a cancer registry:

- Low grade appendiceal mucinous neoplasm (LAMN = 8480/1)



Treatment

Loco-regional disease

Surgery

- Rectum: pre-operative (chemo)radiotherapy
- Colon: post-operative chemotherapy
 - stage III (=positive lymph nodes)
 - high risk stage II (T4, vascular invasion, poorly differentiated or undifferentiated cancers)

Pre-operative=neo-adjuvant

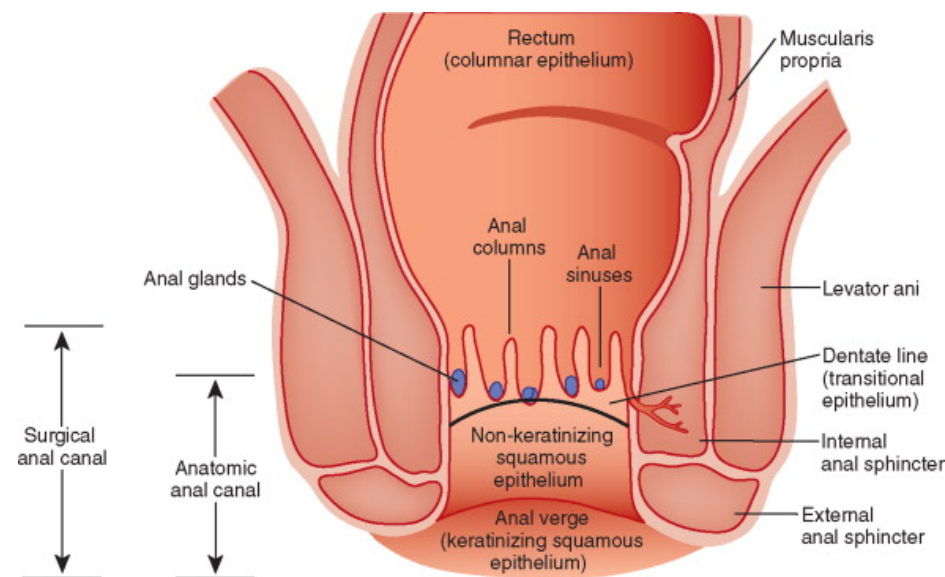
Post-operative=adjuvant

Metastatic disease

- Systemic treatment (chemotherapy or targeted therapy)
- Liver surgery

Cancer of the anal canal

- Anal canal (= terminal part of the large intestine, beginning at the upper surface of the anorectal sphincter and ending at the anus)
 - Upper part: colorectal type mucosa
 - Middle part: anal transition zone ('cloacogenic zone')
 - Lower part: squamous epithelium
- Incidence <1 per 100,000
- Related to HPV-infection
- Mostly squamous cell carcinoma (~90%)
- Rarely adenocarcinoma (~10%)
- Treatment: surgery and/or radiotherapy
- Tumours at the anorectal junction:
 - C21 in case of squamous cell carcinoma (mostly C20 in case of adenocarcinoma)





EXERCISES



www.enchr.eu



European Network
of Cancer Registries



European
Commission