Supplementary Online Content


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This supplementary material has been provided by the authors to give readers additional information about their work.
eFigure 1. Inclusion and Exclusion Process

Legend: Flowchart of the inclusion/exclusion process

Cases in the database (n = 30,699)

Cases excluded (n = 6,640)
- Missing data on first contact/date of diagnosis (n = 2,468)
- Case before Jan 1st 1985 or after Dec 31st 2012 (n = 546)
- Cases without Breslow thickness or mismatch on Breslow thickness and Clark level (n = 3,626)

Cases (n = 24,059)

Malignant melanoma (n = 20,760)
Melanoma in situ (n = 3,299)

Cases with missing data on variable in question were excluded leaving for each analysis the number of cases indicated below

Sex (n = 20,760)
Age (n = 20,755)
Breslow thickness (n = 20,760)
Melanoma type (n = 20,054)
Ulceration (n = 20,084)
ICD-10 region (n = 20,084)

Sex (n = 3,299)
Age (n = 3,299)
ICD-10 region (n = 2,742)

For ICD-10 region, cases after December 31st 2010 were excluded from analyses due to low data completion in 2011 and 2012

ICD-10 region (n = 17,420)
ICD-10 region (n = 2,370)
eFigure 2. Age-Period-Cohort (APC) Analysis of the Incidence of Malignant Melanoma in Denmark, 1985-2012

Legend: Dashed graph = female APC, solid graph = male APC.
Figure 3. Incidence of Malignant Melanoma by Age Groups, 1985-2012

A. Male
B. Female

![Graph showing incidence per 100,000 population by year and age group for females. Graph includes lines for different age groups: under 14 yrs, 14-20 yrs, 21-30 yrs, 31-40 yrs, 41-50 yrs, 51-60 yrs, and over 60 yrs. The incidence ranges from 0 to 8 per 100,000 population.]
eFigure 4. Incidence of Malignant Melanoma by Breslow Thickness, 1985-2012

A. Male
B. Female

![Graph showing incidence of tumors in females over time. The x-axis represents years from 1995 to 2011, while the y-axis represents incidence per 100,000 people. There are different colored lines representing different size categories of tumors: 0.01mm-0.74mm, 0.75mm-1mm, >1mm-2mm, >2mm-4mm, and >4mm. The graph shows an increasing trend across all categories as time progresses.]
eFigure 5. Incidence of Malignant Melanoma by Histologic Subtype, 1985-2012

A. Male
B. Female

[Graph showing incidence rates of different types of melanoma for females from 1985 to 2011.]
eFigure 6. Incidence of Malignant Melanoma by ICD-10 Region, 1985-2010

A. Male
B. Female

incidence/100,000 p.y.

1985 1987 1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009

- Head and neck
- Upper arm
- Hands
- Feet
- Trunk - anterior
- Trunk - posterior
- Lower arm
- Thigh
- Lower leg
- Lower leg
- Perineum
eFigure 7. Relative Ulceration Rate for Malignant Melanoma in Denmark, 1985-2012