**Number of cases in the Northern Sweden Health and Disease Study, NSHDS**

**The information is based on available registers with varying follow-up time**

In the planning of studies in the biobank, it is necessary to know approximately how many samples there are to study. As a rule, the number of available cases for a given disease is the limiting factor. Below you will find tables for some diseases and we have chosen to present information that can be produced automatically and easily. More data can be obtained for specific issues in connection with an application to the Biobank Research Unit, the Swedish Ethical Review Authority or a financier.

Table of Contents

[Breast cancer, women 3](#_Toc66860305)

[Prostate cancer 5](#_Toc66860306)

[Pancreas cancer 7](#_Toc66860307)

[Lung cancer 10](#_Toc66860308)

[Colorectal cancer 13](#_Toc66860309)

[Cervical cancer 16](#_Toc66860310)

[Corpus cancer 18](#_Toc66860311)

[Ovarian cancer 20](#_Toc66860312)

[Kidney cancer 22](#_Toc66860313)

[Bladder cancer 25](#_Toc66860314)

[Malignant melanoma 28](#_Toc66860315)

[Brain tumours 31](#_Toc66860316)

[Hematological malignancies 34](#_Toc66860317)

[All types of cancer 37](#_Toc66860318)

[Myocardial infarction 40](#_Toc66860319)

[Stroke 43](#_Toc66860320)

[Osteoporotic fracture (hip+radius) 46](#_Toc66860321)

[Diabetes 49](#_Toc66860322)

[Parkinson’s disease 61](#_Toc66860323)

[Comorbidity: Breastcancer, pancreascancer and myocardial infarction 64](#_Toc66860324)

**The summaries below concerning different cancer types include only invasive tumors**

# Breast cancer, women

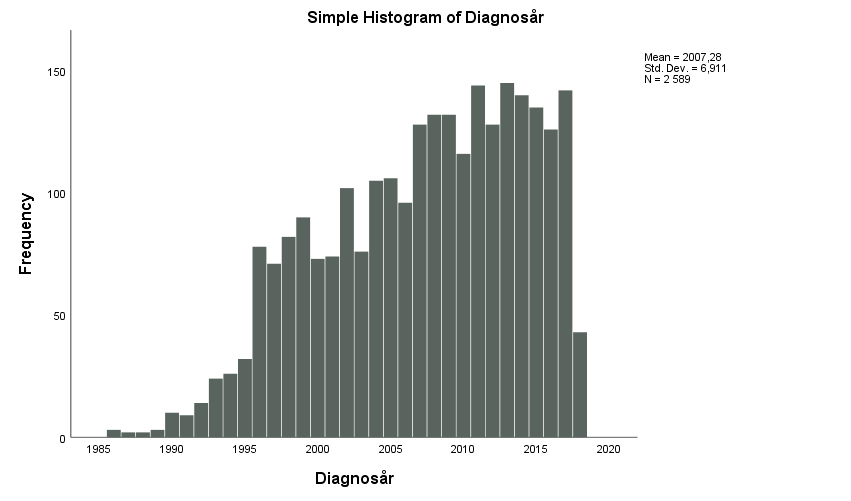
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | Total | With prospective sample | With at least 2 prospective samples | With only retrospective samples |
| Number of samples | 7554 |  |  |  |
| Number of subjects | 3222 | 2589 | 1527 | 633 |
| Expected at update of the register autumn 2020 |  | 2930 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | With prospective sample | With only retrospective samples |
| Number of subjects | 1988 | 430 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 158 | 58 | 47 |
| 1990-1999 | 3428 | 2543 | 2650 |
| 2000-2009 | 1832 | 1767 | 1760 |
| 2010- | 214 | 214 | 214 |
| Total | 5632 | 4582 | 4671 |

|  |  |
| --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | |
| < 40 | 23 |
| 40-49 | 307 |
| 50-59 | 731 |
| 60-69 | 949 |
| 70-79 | 455 |
| 80- | 124 |
| Total | 2589 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

|  |  |
| --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | |
| < 1 | 155 |
| 1-2 | 107 |
| 2-3 | 119 |
| 3-5 | 241 |
| 5-10 | 556 |
| 10-20 | 1051 |
| >20 | 360 |
| Total | 2589 |

# Prostate cancer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | Total | With prospective sample | With at least 2 prospective samples | With only retrospective samples |
| Number of samples | 4974 |  |  |  |
| Number of subjects | 3344 | 3222 | 1171 | 122 |
| Expected at update of the register autumn 2020 |  | 3847 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | With prospective sample | With only retrospective samples |
| Number of subjects | 2432 | 36 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 244 | 53 | 43 |
| 1990-1999 | 2725 | 1502 | 1323 |
| 2000-2009 | 1390 | 1267 | 1072 |
| 2010- | 254 | 253 | 253 |
| Total | 4613 | 3075 | 2691 |

|  |  |
| --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | |
| < 40 | 0 |
| 40-49 | 26 |
| 50-59 | 418 |
| 60-69 | 1611 |
| 70-79 | 1032 |
| 80- | 135 |
| Total | 3222 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

|  |  |
| --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | |
| < 1 | 148 |
| 1-2 | 105 |
| 2-3 | 161 |
| 3-5 | 339 |
| 5-10 | 1046 |
| 10-20 | 1209 |
| >20 | 214 |
| Total | 3222 |

# Pancreas cancer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 893 |  |  |  |
| Number of subjects  Men  Women | 443  177  266 | 442  176  266 | 57  168 | 1  0 |
| Expected at update of the register autumn 2020 |  | 523 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 320  127  193 | 0  0  0 |

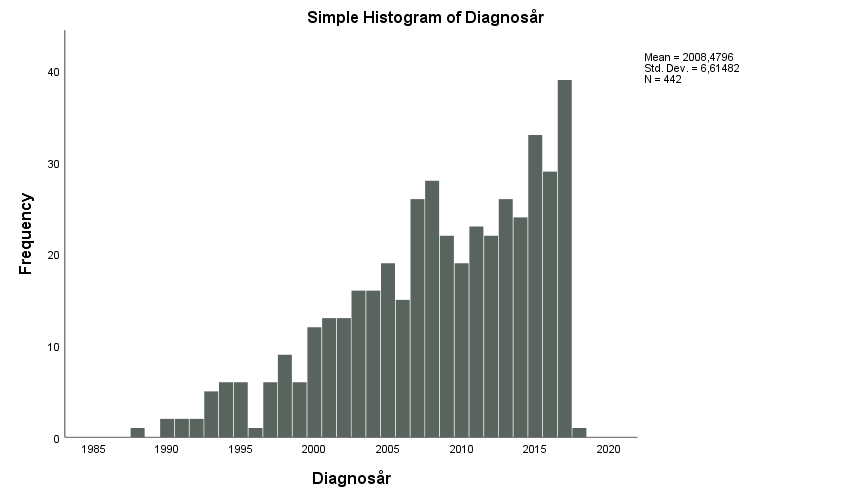
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 8 | 1 | 2 |
| 1990-1999 | 151 | 80 | 93 |
| 2000-2009 | 70 | 60 | 67 |
| 2010- | 15 | 15 | 14 |
| Total | 244 | 156 | 177 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 13 | 2 | 4 |
| 1990-1999 | 436 | 358 | 385 |
| 2000-2009 | 187 | 177 | 180 |
| 2010- | 9 | 9 | 9 |
| Total | 645 | 546 | 578 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 2 | 1 |
| 40-49 | 6 | 10 |
| 50-59 | 22 | 37 |
| 60-69 | 86 | 103 |
| 70-79 | 53 | 89 |
| 80- | 7 | 26 |
| Total | 176 | 266 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 4 | 7 |
| 1-2 | 6 | 6 |
| 2-3 | 4 | 12 |
| 3-5 | 10 | 15 |
| 5-10 | 35 | 59 |
| 10-20 | 89 | 116 |
| >20 | 28 | 51 |
| Total | 176 | 266 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Lung cancer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 1728 |  |  |  |
| Number of subjects  Men  Women | 941  404  537 | 922  396  526 | 427  103  324 | 19  8  11 |
| Expected at update of the register autumn 2020 |  | 1084 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 675  305  370 | 9  4  5 |

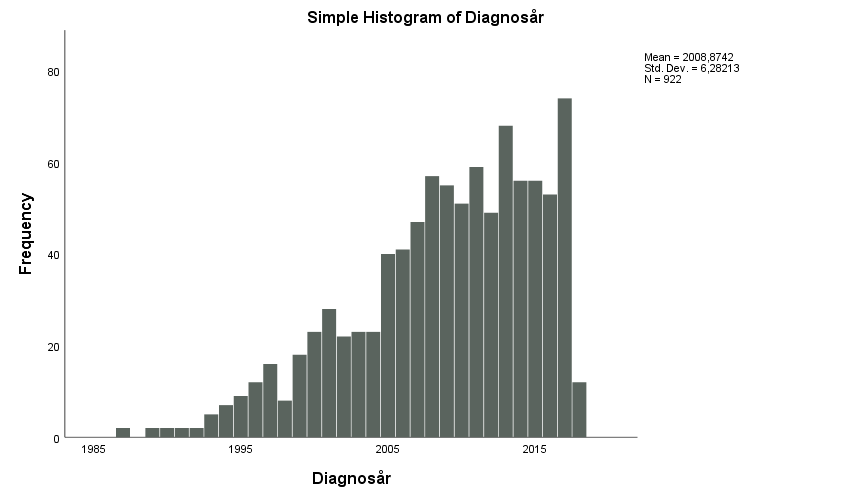
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 37 | 5 | 6 |
| 1990-1999 | 316 | 167 | 211 |
| 2000-2009 | 134 | 89 | 112 |
| 2010- | 18 | 18 | 18 |
| Total | 505 | 279 | 347 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 29 | 5 | 8 |
| 1990-1999 | 791 | 641 | 702 |
| 2000-2009 | 337 | 296 | 323 |
| 2010- | 17 | 16 | 17 |
| Total | 1174 | 958 | 1050 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 0 | 0 |
| 40-49 | 9 | 8 |
| 50-59 | 40 | 82 |
| 60-69 | 179 | 193 |
| 70-79 | 145 | 199 |
| 80- | 23 | 44 |
| Total | 396 | 526 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 13 | 20 |
| 1-2 | 18 | 37 |
| 2-3 | 21 | 31 |
| 3-5 | 44 | 66 |
| 5-10 | 100 | 157 |
| 10-20 | 170 | 206 |
| >20 | 30 | 9 |
| Total | 396 | 526 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Colorectal cancer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 4393 |  |  |  |
| Number of subjects  Men  Women | 2204  961  1243 | 2007  882  1125 | 998  255  743 | 197  79  118 |
| Expected at update of the register autumn 2020 |  | 2004 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 1507  663  844 | 88  32  56 |

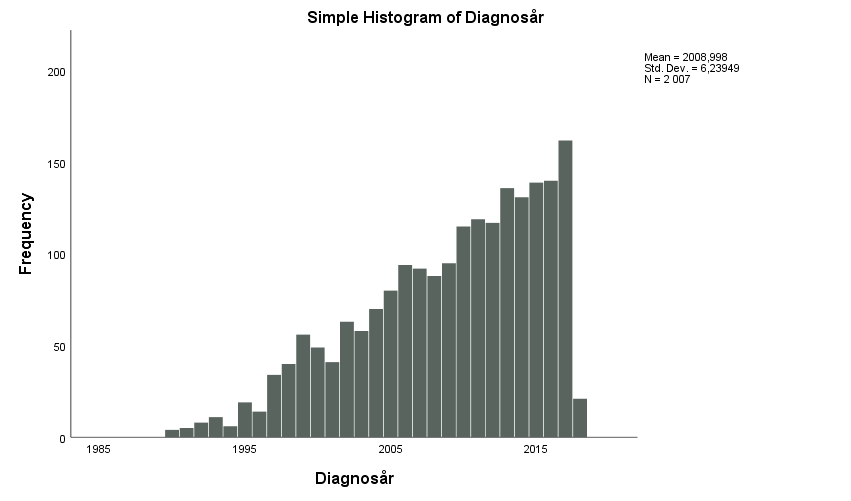
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 82 | 13 | 12 |
| 1990-1999 | 725 | 240 | 345 |
| 2000-2009 | 316 | 227 | 272 |
| 2010- | 49 | 46 | 49 |
| Total | 1172 | 526 | 678 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 62 | 12 | 13 |
| 1990-1999 | 1756 | 1285 | 1447 |
| 2000-2009 | 798 | 739 | 778 |
| 2010- | 51 | 51 | 51 |
| Total | 2667 | 2087 | 2289 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 1 | 2 |
| 40-49 | 35 | 40 |
| 50-59 | 135 | 164 |
| 60-69 | 342 | 367 |
| 70-79 | 294 | 409 |
| 80- | 75 | 143 |
| Total | 882 | 1125 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 38 | 79 |
| 1-2 | 35 | 87 |
| 2-3 | 29 | 59 |
| 3-5 | 81 | 153 |
| 5-10 | 256 | 305 |
| 10-20 | 347 | 409 |
| >20 | 96 | 33 |
| Total | 882 | 1125 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Cervical cancer

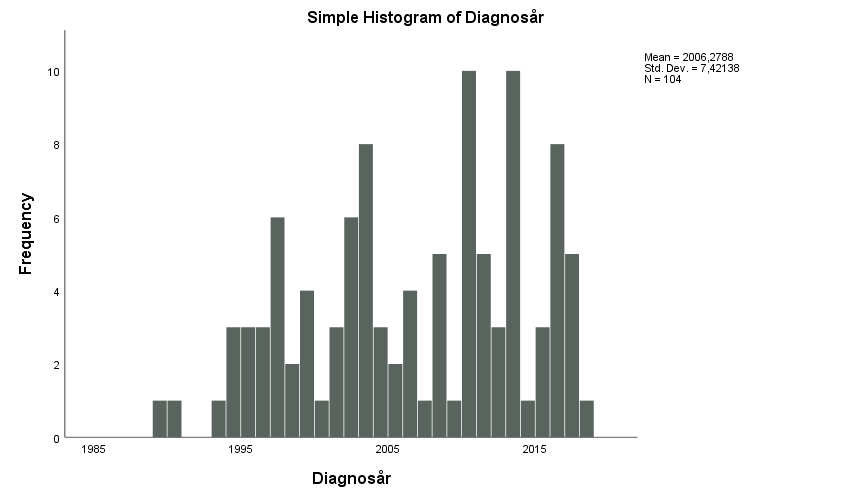
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 555 |  |  |  |
| Number of subjects | 252 | 104 | 46 | 148 |
| Expected at update of the register autumn 2020 |  | 116 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects | 65 | 105 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 9 | 5 | 6 |
| 1990-1999 | 115 | 86 | 104 |
| 2000-2009 | 61 | 60 | 60 |
| 2010- | 6 | 6 | 6 |
| Total | 191 | 157 | 176 |

|  |  |
| --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | |
| < 40 | 5 |
| 40-49 | 26 |
| 50-59 | 24 |
| 60-69 | 22 |
| 70-79 | 20 |
| 80- | 7 |
| Total | 104 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

|  |  |
| --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | |
| < 1 | 9 |
| 1-2 | 6 |
| 2-3 | 6 |
| 3-5 | 18 |
| 5-10 | 22 |
| 10-20 | 34 |
| >20 | 9 |
| Total | 104 |

# Corpus cancer

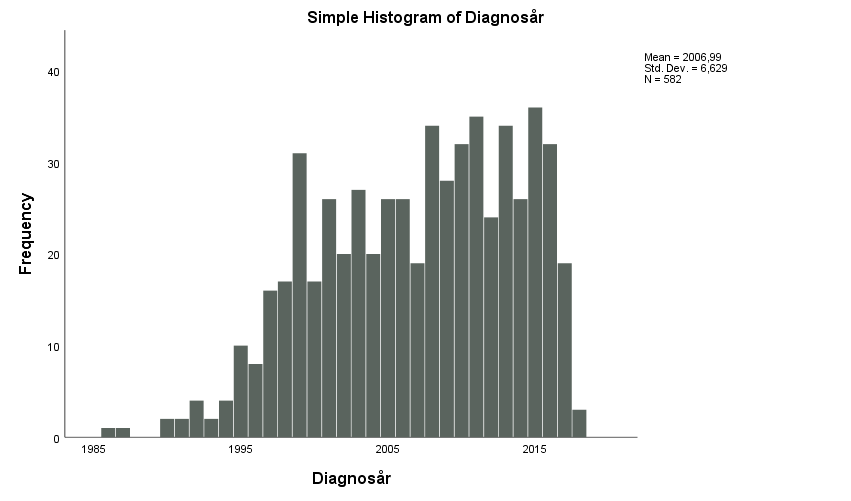
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 1881 |  |  |  |
| Number of subjects | 727 | 582 | 363 | 145 |
| Expected at update of the register autumn 2020 |  | 657 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects | 440 | 75 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 43 | 13 | 11 |
| 1990-1999 | 886 | 719 | 778 |
| 2000-2009 | 390 | 378 | 382 |
| 2010- | 32 | 31 | 31 |
| Total | 1351 | 1141 | 1202 |

|  |  |
| --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | |
| < 40 | 1 |
| 40-49 | 13 |
| 50-59 | 148 |
| 60-69 | 235 |
| 70-79 | 142 |
| 80- | 43 |
| Total | 582 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

|  |  |
| --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | |
| < 1 | 35 |
| 1-2 | 39 |
| 2-3 | 25 |
| 3-5 | 54 |
| 5-10 | 127 |
| 10-20 | 233 |
| >20 | 69 |
| Total | 582 |

# Ovarian cancer

Borderline is not included in these tables and figures.

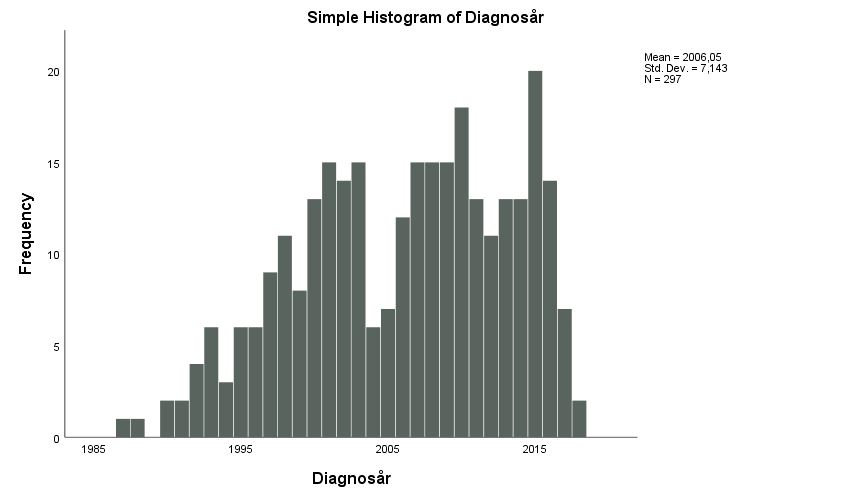
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 861 |  |  |  |
| Number of subjects | 409 | 297 | 153 | 112 |
| Expected at update of the register autumn 2020 |  | 330 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects | 241 | 54 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 27 | 6 | 4 |
| 1990-1999 | 376 | 250 | 278 |
| 2000-2009 | 168 | 147 | 161 |
| 2010- | 19 | 19 | 19 |
| Total | 590 | 422 | 462 |

|  |  |
| --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | |
| < 40 | 4 |
| 40-49 | 29 |
| 50-59 | 90 |
| 60-69 | 99 |
| 70-79 | 64 |
| 80- | 11 |
| Total | 297 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

|  |  |
| --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | |
| < 1 | 24 |
| 1-2 | 27 |
| 2-3 | 19 |
| 3-5 | 21 |
| 5-10 | 77 |
| 10-20 | 102 |
| >20 | 27 |
| Total | 297 |

# Kidney cancer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 798 |  |  |  |
| Number of subjects  Men  Women | 418  228  190 | 365  202  163 | 165  61  104 | 53  26  27 |
| Expected at update of the register autumn 2020 |  | 420 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 164  144  120 | 29  11  18 |

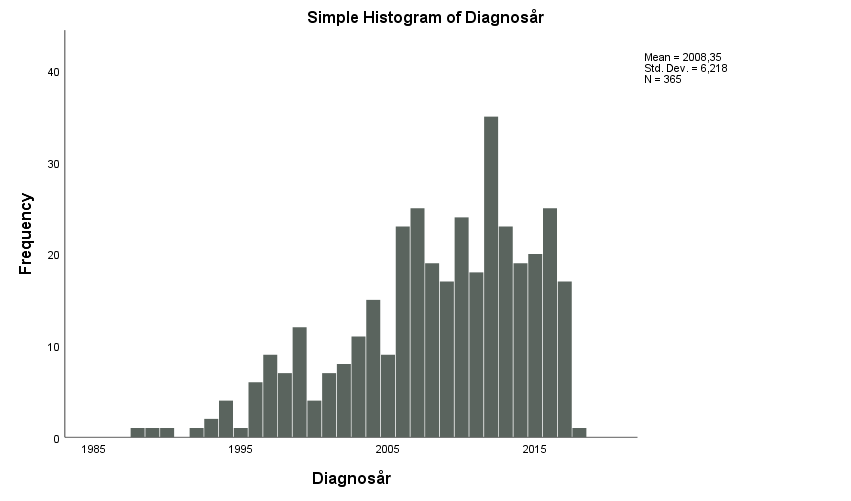
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 17 | 6 | 6 |
| 1990-1999 | 150 | 87 | 102 |
| 2000-2009 | 90 | 79 | 83 |
| 2010- | 15 | 15 | 15 |
| Total | 272 | 187 | 206 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 12 | 5 | 4 |
| 1990-1999 | 247 | 203 | 226 |
| 2000-2009 | 107 | 103 | 105 |
| 2010- | 6 | 6 | 6 |
| Total | 372 | 317 | 341 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 1 | 0 |
| 40-49 | 9 | 2 |
| 50-59 | 40 | 26 |
| 60-69 | 86 | 68 |
| 70-79 | 61 | 53 |
| 80- | 5 | 14 |
| Total | 202 | 163 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | **Men** | **Women** |
| < 1 | 5 | 17 |
| 1-2 | 14 | 10 |
| 2-3 | 9 | 14 |
| 3-5 | 22 | 19 |
| 5-10 | 65 | 53 |
| 10-20 | 71 | 46 |
| >20 | 16 | 4 |
| Total | 202 | 163 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Bladder cancer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 1343 |  |  |  |
| Number of subjects  Men  Women | 817  584  233 | 719  517  202 | 254  137  117 | 98  67  31 |
| Expected at update of the register autumn 2020 |  | 883 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 480  349  131 | 53  39  14 |

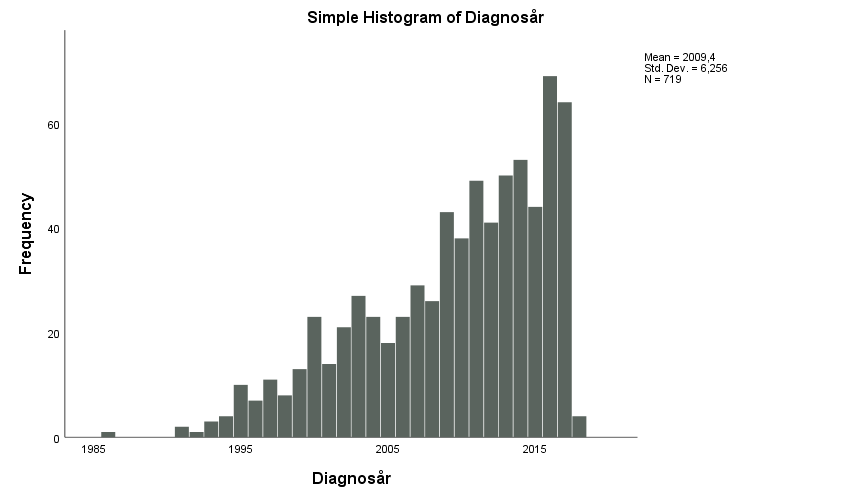
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 44 | 13 | 9 |
| 1990-1999 | 438 | 222 | 273 |
| 2000-2009 | 174 | 156 | 160 |
| 2010- | 20 | 20 | 20 |
| Total | 676 | 411 | 462 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 8 | 3 | 2 |
| 1990-1999 | 315 | 252 | 268 |
| 2000-2009 | 123 | 122 | 121 |
| 2010- | 7 | 7 | 7 |
| Total | 453 | 384 | 398 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | **Men** | **Women** |
| < 40 | 2 | 0 |
| 40-49 | 17 | 4 |
| 50-59 | 58 | 25 |
| 60-69 | 183 | 65 |
| 70-79 | 204 | 73 |
| 80- | 53 | 35 |
| Total | 517 | 202 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | **Men** | **Women** |
| < 1 | 19 | 8 |
| 1-2 | 20 | 16 |
| 2-3 | 13 | 9 |
| 3-5 | 40 | 25 |
| 5-10 | 139 | 53 |
| 10-20 | 230 | 78 |
| >20 | 56 | 13 |
| Total | 517 | 202 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Malignant melanoma

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 1468 |  |  |  |
| Number of subjects  Men  Women | 755  340  415 | 568  273  295 | 267  94  173 | 187  67  120 |
| Expected at update of the register autumn 2020 |  | 698 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 306  153  153 | 60  21  39 |

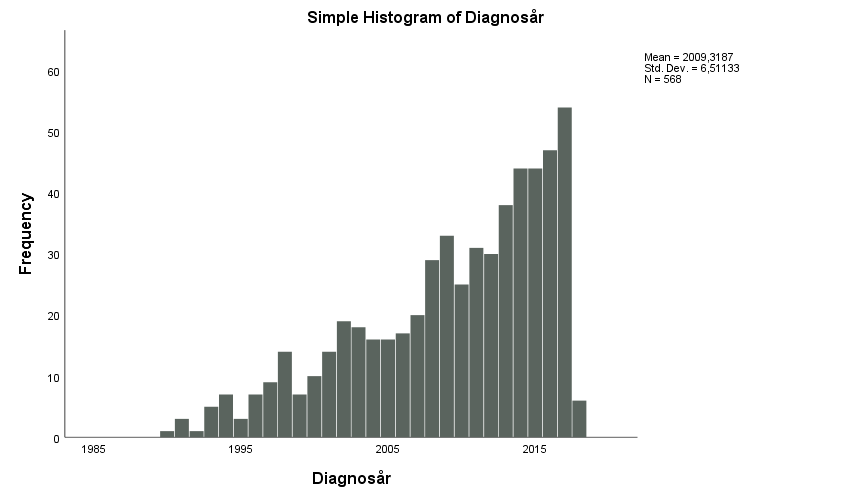
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 18 | 7 | 8 |
| 1990-1999 | 214 | 171 | 163 |
| 2000-2009 | 127 | 124 | 23 |
| 2010- | 21 | 21 | 21 |
| Total | 380 | 323 | 315 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 19 | 12 | 12 |
| 1990-1999 | 347 | 313 | 319 |
| 2000-2009 | 225 | 224 | 222 |
| 2010- | 43 | 43 | 43 |
| Total | 634 | 592 | 596 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 6 | 6 |
| 40-49 | 33 | 51 |
| 50-59 | 64 | 71 |
| 60-69 | 100 | 93 |
| 70-79 | 53 | 58 |
| 80- | 17 | 16 |
| Total | 273 | 295 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 16 | 27 |
| 1-2 | 19 | 26 |
| 2-3 | 11 | 20 |
| 3-5 | 35 | 38 |
| 5-10 | 86 | 98 |
| 10-20 | 89 | 78 |
| >20 | 17 | 8 |
| Total | 273 | 295 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Brain tumours

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 1382 |  |  |  |
| Number of subjects  Men  Women | 691  267  424 | 490  194  296 | 241  55  186 | 201  73  128 |
| Expected at update of the register autumn 2020 |  | 540 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 316  132  184 | 89  36  53 |

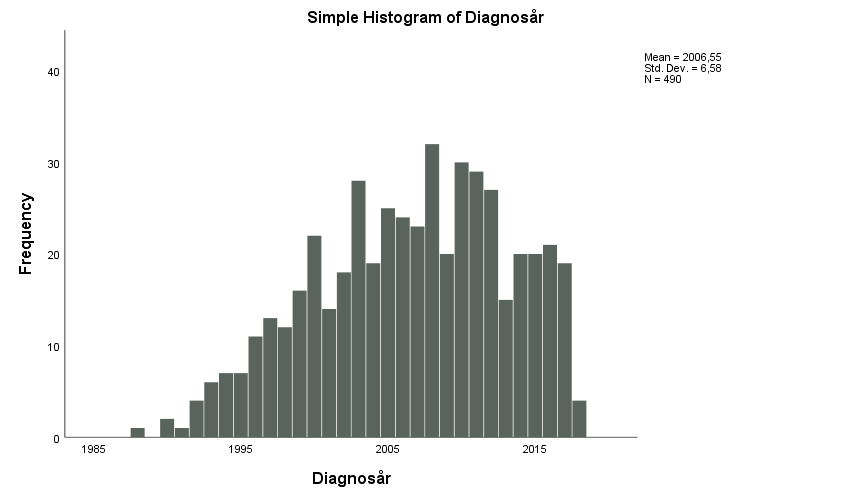
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 22 | 8 | 11 |
| 1990-1999 | 151 | 103 | 125 |
| 2000-2009 | 72 | 61 | 64 |
| 2010- | 18 | 18 | 18 |
| Total | 263 | 190 | 218 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 19 | 8 | 7 |
| 1990-1999 | 411 | 349 | 389 |
| 2000-2009 | 226 | 221 | 224 |
| 2010- | 20 | 20 | 20 |
| Total | 676 | 598 | 640 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 6 | 2 |
| 40-49 | 26 | 37 |
| 50-59 | 47 | 83 |
| 60-69 | 66 | 109 |
| 70-79 | 45 | 60 |
| 80- | 4 | 5 |
| Total | 194 | 296 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 10 | 32 |
| 1-2 | 26 | 31 |
| 2-3 | 14 | 32 |
| 3-5 | 30 | 47 |
| 5-10 | 53 | 102 |
| 10-20 | 54 | 50 |
| >20 | 7 | 2 |
| Total | 194 | 296 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Hematological malignancies

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 3190 |  |  |  |
| Number of subjects  Men  Women | 1708  897  811 | 1474  774  700 | 675  250  425 | 234  123  111 |
| Expected at update of the register autumn 2020 |  | 1723 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 1067  559  508 | 151  77  74 |

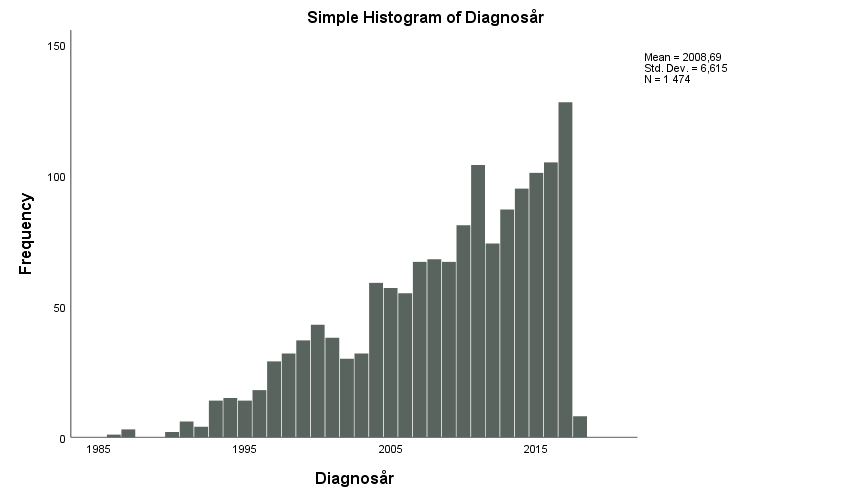
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 47 | 15 | 15 |
| 1990-1999 | 643 | 466 | 497 |
| 2000-2009 | 322 | 287 | 303 |
| 2010- | 56 | 55 | 56 |
| Total | 1068 | 823 | 871 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 38 | 18 | 18 |
| 1990-1999 | 1019 | 874 | 934 |
| 2000-2009 | 495 | 466 | 484 |
| 2010- | 44 | 43 | 44 |
| Total | 1596 | 1401 | 1480 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | **Men** | **Women** |
| < 40 | 5 | 4 |
| 40-49 | 45 | 25 |
| 50-59 | 149 | 127 |
| 60-69 | 291 | 221 |
| 70-79 | 234 | 235 |
| 80- | 50 | 88 |
| Total | 774 | 700 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | **Men** | **Women** |
| < 1 | 42 | 50 |
| 1-2 | 31 | 54 |
| 2-3 | 43 | 52 |
| 3-5 | 109 | 84 |
| 5-10 | 222 | 207 |
| 10-20 | 272 | 232 |
| >20 | 55 | 21 |
| Total | 774 | 700 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# All types of cancer

The first malign diagnosis is chosen in the tables below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 34094 |  |  |  |
| Number of subjects  Men  Women | 17567  7914  9653 | 14895  7090  7805 | 7015  2314  4701 | 2672  824  1848 |
| Expected at update of the register autumn 2020 |  | 17775 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 10474  4989  5485 | 1365  341 1024 |

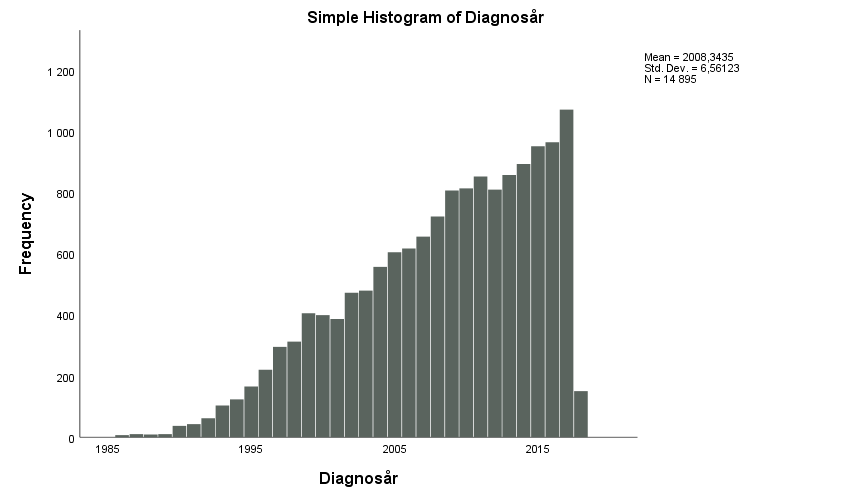
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 568 | 147 | 135 |
| 1990-1999 | 5793 | 3375 | 3466 |
| 2000-2009 | 2896 | 2570 | 2475 |
| 2010- | 535 | 529 | 533 |
| Total | 9792 | 6621 | 6609 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 478 | 166 | 153 |
| 1990-1999 | 10992 | 8794 | 9380 |
| 2000-2009 | 5350 | 5095 | 5191 |
| 2010- | 512 | 510 | 511 |
| Total | 17332 | 14565 | 15235 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 45 | 52 |
| 40-49 | 297 | 632 |
| 50-59 | 1151 | 1743 |
| 60-69 | 3142 | 2739 |
| 70-79 | 2095 | 2019 |
| 80- | 360 | 620 |
| Total | 7090 | 7805 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 338 | 836 |
| 1-2 | 340 | 686 |
| 2-3 | 365 | 579 |
| 3-5 | 805 | 1054 |
| 5-10 | 2208 | 2282 |
| 10-20 | 2544 | 2170 |
| >20 | 490 | 198 |
| Total | 7090 | 7805 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Myocardial infarction

Before 2010, only those who were younger than 75 years were included, while from 2010 all age groups are included.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | Total | With prospective sample | With at least 2 prospective samples | With only retrospective samples |
| Number of samples | 12319 |  |  |  |
| Number of subjects  Men  Women | 6943  4549  2394 | 3944  2211 | 1153  1387 | 788  605  183 |
| Expected at update of the register autumn 2020 |  | 7055 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | With prospective sample | With only retrospective samples |
| Number of subjects  Men  Women | 4598  2882  1716 | 591  434  157 |

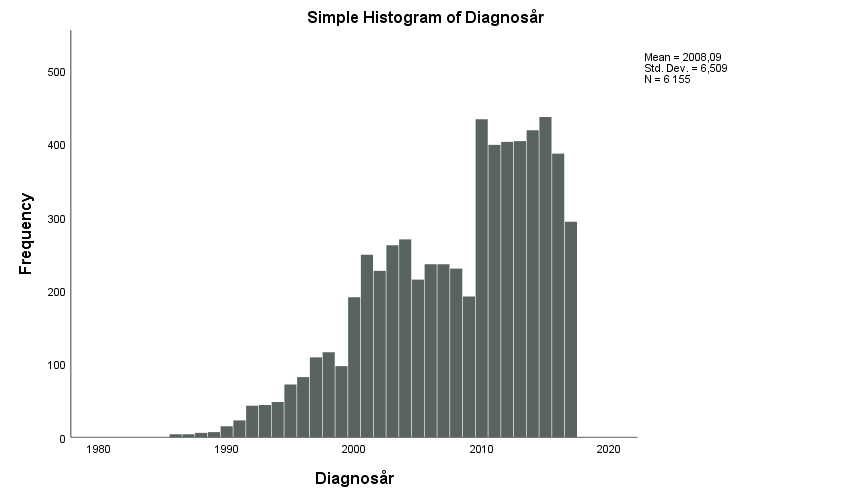
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Men** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 311 | 83 | 65 |
| 1990-1999 | 3261 | 1738 | 1956 |
| 2000-2009 | 1467 | 1368 | 1326 |
| 2010- | 254 | 254 | 254 |
| Total | 5293 | 3443 | 3601 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 128 | 44 | 38 |
| 1990-1999 | 3552 | 2889 | 3068 |
| 2000-2009 | 1357 | 1312 | 1328 |
| 2010- | 71 | 70 | 71 |
| Total | 5108 | 4324 | 4505 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 6 | 5 |
| 40-49 | 235 | 63 |
| 50-59 | 965 | 318 |
| 60-69 | 1613 | 617 |
| 70-79 | 913 | 774 |
| 80- | 212 | 434 |
| Total | 3944 | 2211 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 210 | 134 |
| 1-2 | 232 | 134 |
| 2-3 | 252 | 109 |
| 3-5 | 539 | 252 |
| 5-10 | 1210 | 565 |
| 10-20 | 1227 | 939 |
| >20 | 274 | 78 |
| Total | 3944 | 2211 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Stroke

Before 2010, only those who were younger than 75 years were included, while from 2010 all age groups are included. In addition, transient cerebral ischemic attack (TIA) was not included in the register until 2010.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 14869 |  |  |  |
| Number of subjects  Men  Women | 7798  3817  3981 | 7012  3413  3599 | 3200  964  2236 | 786  404  382 |
| Expected at update of the register autumn 2020 |  | 8312 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 5047  2398  2649 | 562  275  287 |

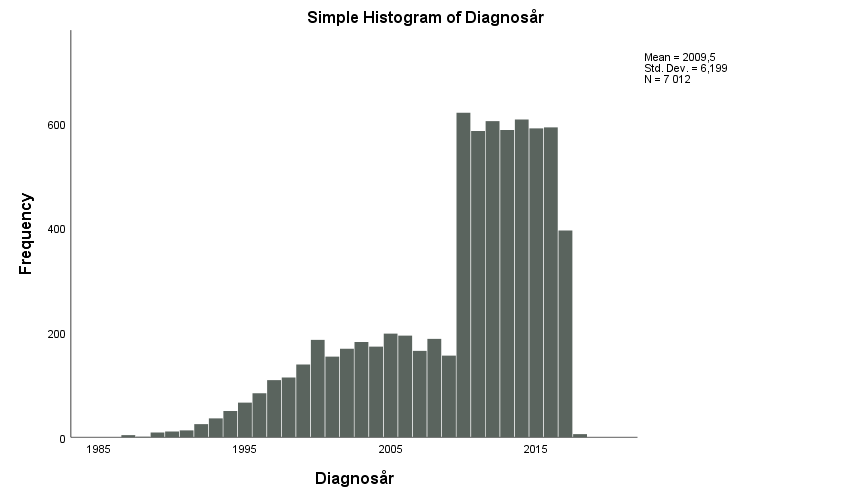
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 267 | 67 | 62 |
| 1990-1999 | 2801 | 1652 | 1784 |
| 2000-2009 | 1231 | 1157 | 1122 |
| 2010- | 216 | 216 | 216 |
| Total | 4515 | 3092 | 3184 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 213 | 77 | 62 |
| 1990-1999 | 5670 | 4794 | 5099 |
| 2000-2009 | 2301 | 2235 | 2260 |
| 2010- | 142 | 142 | 142 |
| Total | 8326 | 7248 | 7563 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 14 | 15 |
| 40-49 | 129 | 138 |
| 50-59 | 563 | 403 |
| 60-69 | 1319 | 992 |
| 70-79 | 1089 | 1259 |
| 80- | 299 | 792 |
| Total | 3413 | 3599 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 137 | 191 |
| 1-2 | 150 | 217 |
| 2-3 | 148 | 191 |
| 3-5 | 336 | 330 |
| 5-10 | 959 | 881 |
| 10-20 | 1325 | 1637 |
| >20 | 358 | 152 |
| Total | 3413 | 3599 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Osteoporotic fracture (hip+radius)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 13287 |  |  |  |
| Number of subjects  Men  Women | 6048  1494  4554 | 5415  1236  4179 | 2949  300  2649 | 633  258  375 |
| Expected at update of the register autumn 2020 |  | 6300 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 4134  907  3227 | 447  133  314 |

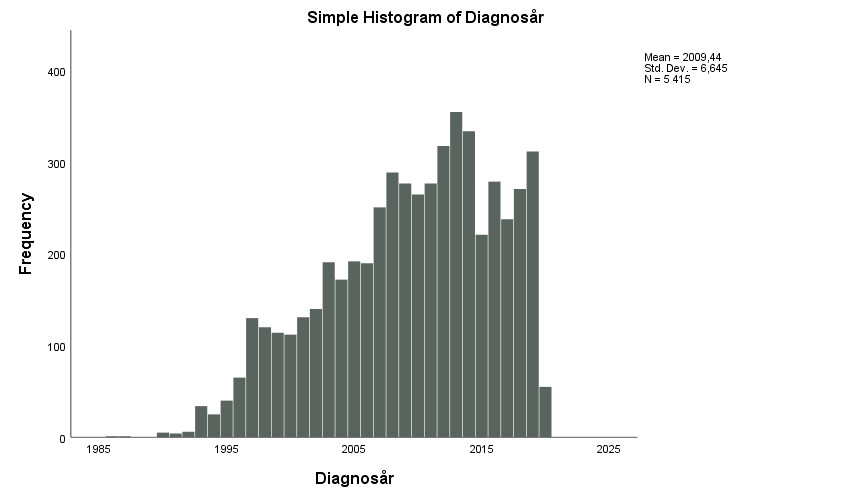
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 89 | 35 | 32 |
| 1990-1999 | 983 | 570 | 619 |
| 2000-2009 | 427 | 396 | 388 |
| 2010- | 84 | 84 | 84 |
| Total | 1583 | 1085 | 1123 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 207 | 100 | 89 |
| 1990-1999 | 6603 | 5626 | 5943 |
| 2000-2009 | 2604 | 2532 | 2547 |
| 2010- | 143 | 141 | 142 |
| Total | 9557 | 8399 | 8721 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 10 | 5 |
| 40-49 | 45 | 42 |
| 50-59 | 229 | 676 |
| 60-69 | 387 | 1217 |
| 70-79 | 364 | 1343 |
| 80- | 201 | 896 |
| Total | 1236 | 4179 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 51 | 289 |
| 1-2 | 54 | 273 |
| 2-3 | 46 | 258 |
| 3-5 | 136 | 461 |
| 5-10 | 284 | 1024 |
| 10-20 | 433 | 1596 |
| >20 | 232 | 278 |
| Total | 1236 | 4179 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Diabetes

The diagnosis is verified on the basis of analyzes of the blood sample that has been submitted closest to the diagnosis, regardless of whether the date of sampling was before or after the discovery of the disease. There are significantly fewer cases after 2006 because the cases verified in DiabNorr after 2006 mostly consist of individuals with participated in the Monica-project.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | Total | With prospective sample | With at least 2 prospective samples | With only retrospective samples |
| Number of samples | 6627 |  |  |  |
| Number of subjects  Men  Women | 3339  1942  1397 | 1201  981 | 227  576 | 1157  741  416 |
| Expected at update of the register autumn 2020 |  | 5110 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | With prospective sample | With only retrospective samples |
| Number of subjects  Men  Women | 1934  1071  863 | 1026  661  365 |

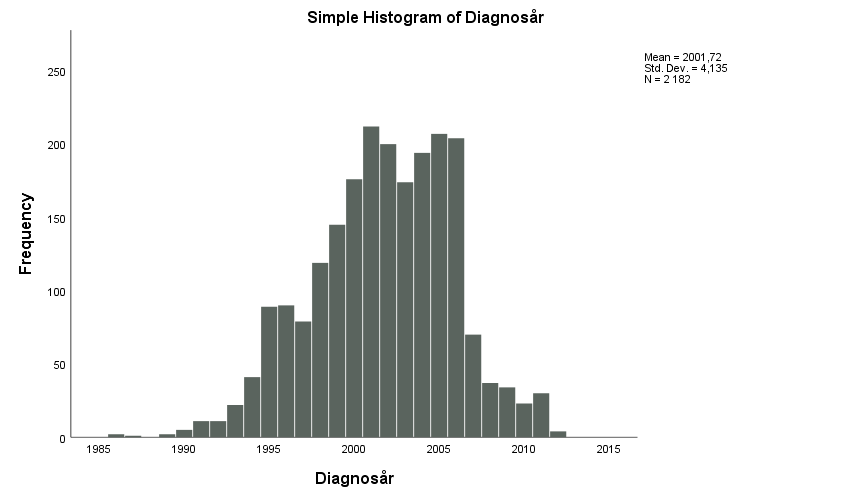
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Men** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 140 | 20 | 11 |
| 1990-1999 | 1180 | 556 | 444 |
| 2000-2009 | 157 | 131 | 49 |
| 2010- | 3 | 3 | 3 |
| Total | 1480 | 710 | 507 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 85 | 16 | 13 |
| 1990-1999 | 1617 | 1172 | 1145 |
| 2000-2009 | 371 | 351 | 313 |
| 2010- | 1 | 1 | 1 |
| Total | 2074 | 1540 | 1472 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 17 | 8 |
| 40-49 | 153 | 114 |
| 50-59 | 440 | 361 |
| 60-69 | 475 | 399 |
| 70-79 | 106 | 90 |
| 80- | 10 | 9 |
| Total | 1201 | 981 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 76 | 76 |
| 1-2 | 43 | 80 |
| 2-3 | 70 | 56 |
| 3-5 | 166 | 132 |
| 5-10 | 516 | 408 |
| 10-20 | 307 | 212 |
| >20 | 23 | 17 |
| Total | 1201 | 981 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

Alzheimer's disease

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 679 |  |  |  |
| Number of subjects  Men  Women | 393  103  290 | 386  101  285 | 172  14  158 | 7  2  5 |
| Expected at update of the register autumn 2020 |  | 1070 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 377  96  281 | 3  0  3 |

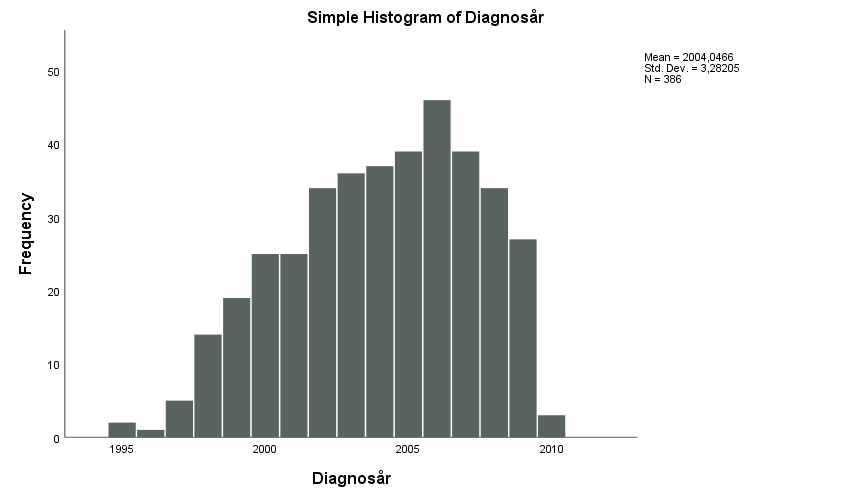
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 10 | 3 | 3 |
| 1990-1999 | 100 | 26 | 43 |
| 2000-2009 | 9 | 5 | 7 |
| 2010- | 0 | 0 | 0 |
| Total | 119 | 34 | 53 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 19 | 7 | 7 |
| 1990-1999 | 444 | 298 | 383 |
| 2000-2009 | 73 | 63 | 69 |
| 2010- | 0 | 0 | 0 |
| Total | 536 | 368 | 459 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 0 | 0 |
| 40-49 | 1 | 0 |
| 50-59 | 7 | 15 |
| 60-69 | 45 | 82 |
| 70-79 | 47 | 178 |
| 80- | 1 | 10 |
| Total | 101 | 285 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 2 | 12 |
| 1-2 | 4 | 15 |
| 2-3 | 3 | 22 |
| 3-5 | 9 | 51 |
| 5-10 | 37 | 124 |
| 10-20 | 45 | 61 |
| >20 | 1 | 0 |
| Total | 101 | 285 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

Atrial fibrillation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 10153 |  |  |  |
| Number of subjects  Men  Women | 5054  3108  1946 | 5016  3079  1937 | 2216  767  1449 | 38  29  9 |
| Expected at update of the register autumn 2020 |  | 7266 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 3642  2177  1465 | 6  3  3 |

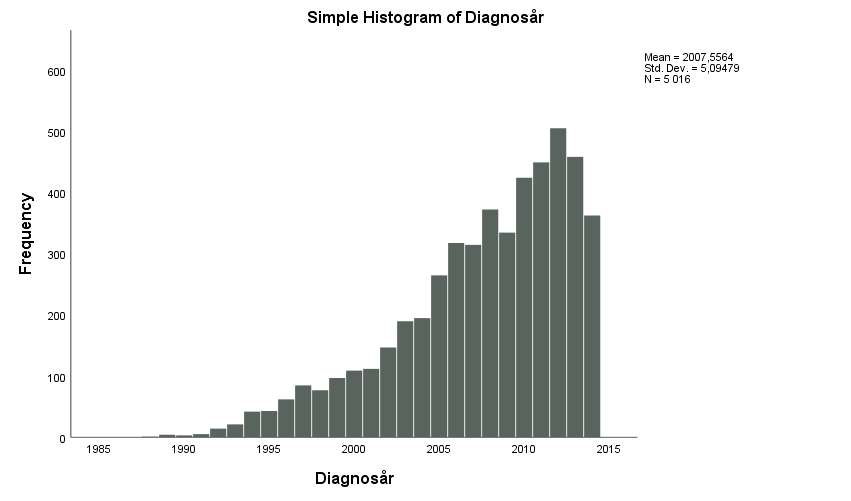
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 222 | 92 | 80 |
| 1990-1999 | 2551 | 1512 | 1556 |
| 2000-2009 | 1069 | 1000 | 963 |
| 2010- | 94 | 94 | 94 |
| Total | 3936 | 2698 | 2693 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 150 | 72 | 61 |
| 1990-1999 | 3708 | 3113 | 3300 |
| 2000-2009 | 1429 | 1385 | 1386 |
| 2010- | 44 | 44 | 44 |
| Total | 5331 | 4614 | 4791 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 15 | 5 |
| 40-49 | 167 | 43 |
| 50-59 | 553 | 234 |
| 60-69 | 1313 | 710 |
| 70-79 | 927 | 788 |
| 80- | 104 | 157 |
| Total | 3079 | 1937 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 142 | 125 |
| 1-2 | 161 | 130 |
| 2-3 | 177 | 126 |
| 3-5 | 341 | 247 |
| 5-10 | 960 | 611 |
| 10-20 | 1147 | 651 |
| >20 | 151 | 47 |
| Total | 3079 | 1937 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

Rheumatoid arthritis

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 1855 |  |  |  |
| Number of subjects  Men  Women | 823  228  595 | 591  175  416 | 306  48  258 | 232  53  179 |
| Expected at update of the register autumn 2020 |  | 1105 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 577  171  406 | 138  28  110 |

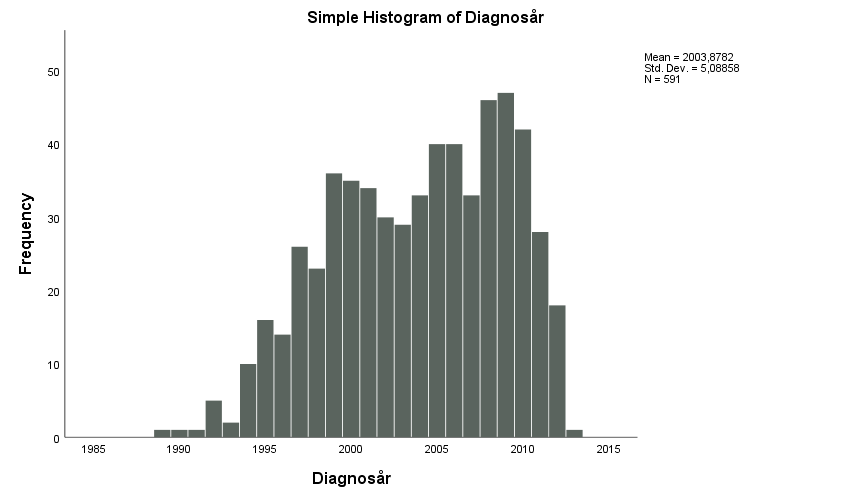
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 20 | 8 | 9 |
| 1990-1999 | 143 | 34 | 63 |
| 2000-2009 | 59 | 29 | 43 |
| 2010- | 3 | 3 | 3 |
| Total | 225 | 74 | 118 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 27 | 7 | 7 |
| 1990-1999 | 632 | 209 | 407 |
| 2000-2009 | 231 | 107 | 188 |
| 2010- | 1 | 0 | 1 |
| Total | 891 | 323 | 603 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 5 | 15 |
| 40-49 | 28 | 67 |
| 50-59 | 49 | 125 |
| 60-69 | 72 | 148 |
| 70-79 | 21 | 59 |
| 80- | 0 | 2 |
| Total | 175 | 416 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 17 | 63 |
| 1-2 | 12 | 59 |
| 2-3 | 17 | 47 |
| 3-5 | 30 | 79 |
| 5-10 | 65 | 118 |
| 10-20 | 33 | 50 |
| >20 | 1 | 0 |
| Total | 175 | 416 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Parkinson’s disease

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Samples and subjects** | | | | |
|  | **Total** | **With prospective sample** | **With at least 2 prospective samples** | **With only retrospective samples** |
| Number of samples | 1242 |  |  |  |
| Number of subjects  Men  Women | 637  341  297 | 552  299  253 | 245  80  165 | 86  42  44 |
| Expected at update of the register autumn 2020 |  | 850 |  |  |

|  |  |  |
| --- | --- | --- |
| **Extracted DNA** | | |
|  | **With prospective sample** | **With only retrospective samples** |
| Number of subjects  Men  Women | 390  217  173 | 50  23  27 |

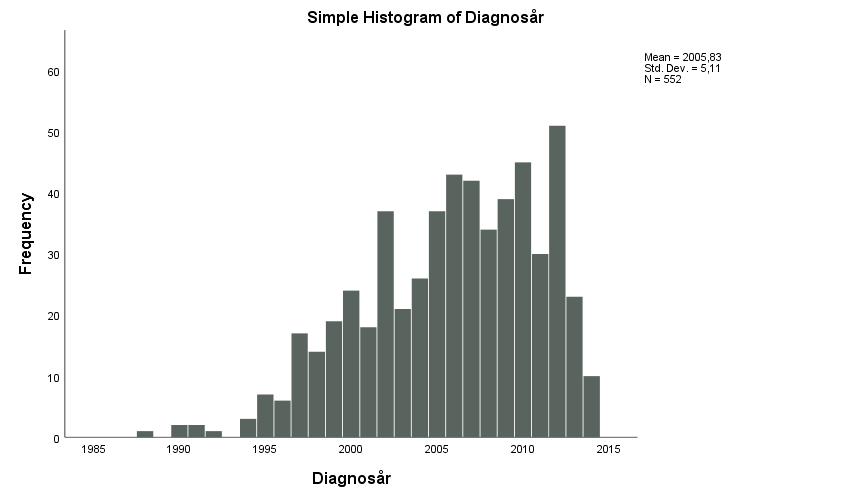
|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling – Men** | | | |
| Year of sampling | **Number of samples** | **Unthawed samples of EDTA-plasma** | **Unthawed samples of heparin plasma** |
| <1990 | 16 | 5 | 4 |
| 1990-1999 | 261 | 89 | 148 |
| 2000-2009 | 104 | 83 | 95 |
| 2010- | 6 | 6 | 6 |
| Total | 387 | 183 | 253 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Prospective plasma samples by year of sampling - Women** | | | |
| Year of sampling | Number of samples | Unthawed samples of EDTA-plasma | Unthawed samples of heparin plasma |
| <1990 | 13 | 5 | 6 |
| 1990-1999 | 440 | 316 | 375 |
| 2000-2009 | 166 | 155 | 164 |
| 2010- | 4 | 3 | 3 |
| Total | 623 | 479 | 548 |

|  |  |  |
| --- | --- | --- |
| **Age at diagnosis, for those with prospective plasma samples** | | |
|  | Men | Women |
| < 40 | 1 | 1 |
| 40-49 | 13 | 5 |
| 50-59 | 62 | 37 |
| 60-69 | 139 | 116 |
| 70-79 | 81 | 82 |
| 80- | 3 | 12 |
| Total | 299 | 253 |

|  |  |  |
| --- | --- | --- |
| **Time (years) between the last prospective plasma sample and diagnosis** | | |
|  | Men | Women |
| < 1 | 8 | 18 |
| 1-2 | 19 | 28 |
| 2-3 | 15 | 19 |
| 3-5 | 42 | 40 |
| 5-10 | 125 | 100 |
| 10-20 | 85 | 48 |
| >20 | 5 | 0 |
| Total | 299 | 253 |

**Year of diagnosis, for those with prospective samples**



Year of diagnosis

# Comorbidity: Breastcancer, pancreascancer and myocardial infarction

|  |  |  |  |
| --- | --- | --- | --- |
|  | Breastcancer | Pancreascancer | Infarct |
| Breastcancer | na | 17 | 140 |
| Pancreascancer | 17 | na | 25 |
| Myocardial infarction | 140 | 25 | na |