Supplementary tables 1 and 2

The Course of Multiple Sclerosis Rewritten:
A Norwegian Population Based Study on Disease Demographics and Progression

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Supplementary Table 1: Results from linear mixed-effects regression analyses (unadjusted and adjusted) of EDSS progression over time by diagnostic groups stratified on cohort. Adjusted for months spent on all disease modifying treatment, progressive MS at onset, age at onset and gender. Non-BT: everyone in BOT-1 who does not reside in Buskerud or Telemark. Coef.: regression coefficient, EDSS: expanded disability status scale.
### Supplementary table 2

Results from linear mixed-effects regression analyses (unadjusted and adjusted) of EDSS progression over time by diagnostic groups stratified on cohort in progressive and relapsing patients. Adjusted for months spent on all disease modifying treatment, age at onset and gender. Coef.: regression coefficient, EDSS: expanded disability status scale.

| Group Year of diagnosis | Progressive at onset (n=1317) | Relapsing at onset (n=10 949) | Progressive at onset (n=1256) | Relapsing at onset (n=10 751) |
|-------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
|                         | Coef. | 95% CI   | p     | Coef. | 95% CI   | p     | Coef. | 95% CI   | p     | Coef. | 95% CI   | p     |
| Age at EDSS             |       |          |       |       |          |       |       |          |       |       |          |       |
| G2 1998-2002            |       |          |       |       |          |       |       |          |       |       |          |       |
|                         | 0.188 | <0.001   |       | 0.121 | <0.001   |       | 0.157 | <0.001   |       | 0.140 | <0.001   |       |
|                         | 0.231 |          |       | 0.231 |          |       | 0.240 |          |       | 0.240 |          |       |
| Diagnostic group        |       |          |       |       |          |       |       |          |       |       |          |       |
| G1 <1998                |       |          |       |       |          |       |       |          |       |       |          |       |
|                         | 3.399 | 0.033    | 0.003 | 1.351 | 0.003    | 0.003 | 3.077 | 0.043    | 0.003 | 1.291 | 0.003    | 0.003 |
|                         | 0.754 |          |       | 2.256 |          |       | 6.051 |          |       | 2.186 |          |       |
| G3 2003-2007            |       |          |       |       |          |       |       |          |       |       |          |       |
|                         | -2.628 | -0.143 |       | 0.887 | -0.074  |       | 2.019 | -0.229  |       | 0.737 | -0.131  |       |
|                         | 0.890 |          |       | 1.860 |          |       | 1.271 |          |       | 1.693 |          |       |
| G4 2008-2012            |       |          |       |       |          |       |       |          |       |       |          |       |
|                         | -2.572 | -0.158 |       | 3.073 | <0.001  |       | -1.907 | -0.273  |       | 2.659 | <0.001  |       |
|                         | 1.002 |          |       | 4.025 |          |       | 1.506 |          |       | 3.599 |          |       |
| G5 2013-2017            |       |          |       |       |          |       |       |          |       |       |          |       |
|                         | 1.482 | 0.580    | <0.001 | 3.730 | <0.001  | <0.001 | -2.000 | 0.415  |       | 2.657 | <0.001  |       |
|                         | 5.730 |          |       | 4.864 |          |       | 2.812 |          |       | 3.782 |          |       |
| Diagnostic group by age of EDSS (interaction term) |       |          |       |       |          |       |       |          |       |       |          |       |
| G1 <1998                |       |          |       |       |          |       |       |          |       |       |          |       |
|                         | -0.054 | 0.048    | 0.40  | -0.009 | 0.040    | 0.40  | -0.057 | 0.031    | 0.40  | -0.010 | 0.325    | 0.40  |
|                         | -0.0004 |          |       | 0.012 |          |       | -0.005 |          |       | 0.010 |          |       |
| G3 2003-2007            |       |          |       |       |          |       |       |          |       |       |          |       |
|                         | 0.024 | -0.036   | 0.437 | -0.023 | 0.038    | 0.437 | 0.022 | 0.456    | 0.038 | -0.020 | 0.082    | 0.456 |
|                         | 0.084 |          |       | -0.001 |          |       | 0.080 |          |       | 0.002 |          |       |
| G4 2008-2012            |       |          |       |       |          |       |       |          |       |       |          |       |
|                         | 0.015 | -0.046   | 0.628 | -0.084 | <0.001  | 0.628 | 0.014 | 0.654    | <0.001 | 0.073 | <0.001  | 0.654 |
|                         | 0.077 |          |       | -0.063 |          |       | 0.074 |          |       | 0.051 |          |       |
| G5 2013-2017            |       |          |       |       |          |       |       |          |       |       |          |       |
|                         | -0.070 | -0.159  | 0.124 | -0.105 | <0.001  | 0.124 | 0.008 | 0.855    | <0.001 | -0.075 | <0.001  | 0.855 |
|                         | -0.019 |          |       | -0.078 |          |       | 0.091 |          |       | -0.047 |          |       |
| Intercept               |       |          |       |       |          |       |       |          |       |       |          |       |
|                         | -4.679 | <0.001  | 3.998 | -1.782 |          | 3.998 | -1.460 | 0.505    |       | -2.311 | 0.001    | 0.505 |
|                         | -2.749 |          |       | -2.557 |          |       | 3.622 |          |       | -0.608 |          |       |