**Appendix 2. Equations for calculating the predicted probability of hidradenitis suppurativa using the full and simplified diagnosis prediction models**

**Full Model\*:**

where

and covariates other than age and BMI take the value 1 when present and 0 when absent.

\*For unrounded model intercept and coefficients, see Supplementary Table 2 on page 4.

**Simplified Model\*:**

where

and covariates other than age and BMI take the value 1 when present and 0 when absent.

\*For unrounded model intercept and coefficients, see Supplementary Table 2 on page 4.