

37 rows

Fig. S1. Summary of model training. Illustration of the architecture of the primary model. This model used 1 convolutional layer with 4 filters and a kernel of size (1, 351); i.e. 351 weeks. Three dense layers with 512, 256 and 128 nodes, respectively, were used. The model summary and source code are available in Appendices S3 and S4. ATC: Anatomical Therapeutic Chemical; CNN: convolutional neural network; ICD-10: International Classification of Diseases 10th Revision.

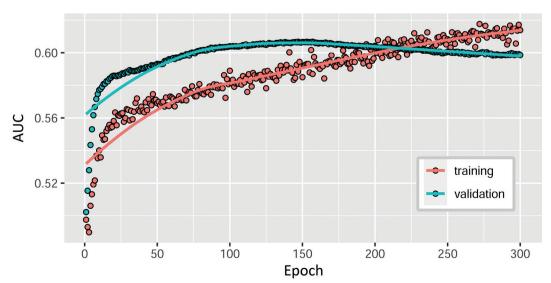


Fig. S2. Area under the receiver operating characteristics curve (AUC) for the training and holdout validation set. Epoch "147" had the highest AUC for the holdout validation set.