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APPENDIX

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Comorbidity indices in observational studies on cancer risk

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The appendix includes 18 tables, six per age group: 40-64; 65-79; 80-plus years of age. Tables are presented in the order below for respective outcomes (ICD-10 codes) under study.

Age group 40-64 years of age

1. All carcinoma, C00-C97
2. Colorectal cancer, C18-C21
3. Lung cancer, C34
4. Malignant melanoma, C43
5. Breast cancer, C50
6. Prostate cancer, C61

Age group 65-79 years of age

7. All carcinoma, C00-C97
8. Colorectal cancer, C18-C21
9. Lung cancer, C34
10. Malignant melanoma, C43
11. Breast cancer, C50
12. Prostate cancer, C61

Age group 80-plus years of age

13. All carcinoma, C00-C97
14. Colorectal cancer, C18-C21
15. Lung cancer, C34
16. Malignant melanoma, C43
17. Breast cancer, C50
18. Prostate cancer, C61

Figure 3. Results, outcomes corresponding to tables 1 to 6 for age group 40-64 years of age.

Tables 1 to 6 are for the age group 40-64 years of age.

Table 1.

Carcinoma, all (ICD-10: C00-C97)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.6721	0.6703	0.6738	0.6722	0.6705	0.6740	0.6724	0.6706	0.6742
	Sex Age	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728
	Index	0.5142	0.5123	0.5161	0.5176	0.5157	0.5195	0.5196	0.5177	0.5215
Charlson Comorbidity Index	Index Sex Age	0.6717	0.6699	0.6735	0.6720	0.6702	0.6738	0.6721	0.6703	0.6739
	Sex Age	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728
	Index	0.5106	0.5097	0.5114	0.5163	0.5152	0.5173	0.5191	0.5179	0.5202
Elixhauser Comorbidity Index	Index Sex Age	0.6718	0.6700	0.6736	0.6720	0.6702	0.6738	0.6721	0.6703	0.6739
	Sex Age	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728
	Index	0.5098	0.5090	0.5106	0.5144	0.5134	0.5154	0.5166	0.5155	0.5176
3-char. ICD-10 main diag.	Index Sex Age	0.6714	0.6696	0.6732	0.6717	0.6699	0.6735	0.6719	0.6701	0.6737
	Sex Age	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728
	Index	0.5088	0.5079	0.5097	0.5183	0.5169	0.5196	0.5242	0.5227	0.5257
Visits to inpatient care	Index Sex Age	0.6713	0.6695	0.6731	0.6716	0.6698	0.6734	0.6717	0.6699	0.6735
	Sex Age	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728
	Index	0.5082	0.5073	0.5091	0.5160	0.5147	0.5174	0.5201	0.5186	0.5216
Days in inpatient care	Index Sex Age	0.6712	0.6694	0.6730	0.6713	0.6695	0.6731	0.6714	0.6696	0.6732
	Sex Age	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728	0.6711	0.6693	0.6728
	Index	0.5082	0.5073	0.5091	0.5162	0.5148	0.5175	0.5203	0.5188	0.5219
1-char. ATC	Index Sex Age	0.6726	0.6708	0.6744	-	-	-	-	-	-
	Sex Age	0.6711	0.6693	0.6728	-	-	-	-	-	-
	Index	0.5561	0.5542	0.5581	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.6725	0.6707	0.6743	-	-	-	-	-	-
	Sex Age	0.6711	0.6693	0.6728	-	-	-	-	-	-
	Index	0.5587	0.5567	0.5606	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.6725	0.6707	0.6743	-	-	-	-	-	-
	Sex Age	0.6711	0.6693	0.6728	-	-	-	-	-	-
	Index	0.5579	0.5559	0.5598	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.6725	0.6707	0.6743	-	-	-	-	-	-
	Sex Age	0.6711	0.6693	0.6728	-	-	-	-	-	-
	Index	0.5576	0.5557	0.5596	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.6724	0.6706	0.6742	-	-	-	-	-	-
	Sex Age	0.6711	0.6693	0.6728	-	-	-	-	-	-
	Index	0.5575	0.5555	0.5594	-	-	-	-	-	-

Table 2.

Colorectal cancer (ICD-10: C18-C21)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905
	Sex Age	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905
	Index	0.5028	0.4970	0.5087	0.5059	0.5000	0.5117	0.5082	0.5023	0.5141
Charlson Comorbidity Index	Index Sex Age	0.6851	0.6797	0.6906	0.6853	0.6798	0.6907	0.6853	0.6799	0.6908
	Sex Age	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905
	Index	0.5108	0.5080	0.5138	0.5167	0.5133	0.5201	0.5193	0.5156	0.5230
Elixhauser Comorbidity Index	Index Sex Age	0.6850	0.6796	0.6905	0.6851	0.6796	0.6906	0.6851	0.6796	0.6906
	Sex Age	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905
	Index	0.5103	0.5076	0.5130	0.5150	0.5117	0.5183	0.5170	0.5134	0.5206
3-char. ICD-10 main diag.	Index Sex Age	0.6851	0.6796	0.6906	0.6852	0.6797	0.6907	0.6852	0.6798	0.6907
	Sex Age	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905
	Index	0.5065	0.5037	0.5093	0.5153	0.5112	0.5195	0.5206	0.5159	0.5253
Visits to inpatient care	Index Sex Age	0.6851	0.6796	0.6905	0.6852	0.6797	0.6907	0.6852	0.6797	0.6907
	Sex Age	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905
	Index	0.5053	0.5025	0.5082	0.5126	0.5085	0.5168	0.5150	0.5102	0.5197
Days in inpatient care	Index Sex Age	0.6850	0.6795	0.6905	0.6851	0.6797	0.6906	0.6852	0.6797	0.6906
	Sex Age	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905	0.6850	0.6795	0.6905
	Index	0.5054	0.5025	0.5082	0.5125	0.5084	0.5167	0.5148	0.5101	0.5196
1-char. ATC	Index Sex Age	0.6850	0.6796	0.6905	-	-	-	-	-	-
	Sex Age	0.6850	0.6795	0.6905	-	-	-	-	-	-
	Index	0.5363	0.5303	0.5423	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.6851	0.6796	0.6905	-	-	-	-	-	-
	Sex Age	0.6850	0.6795	0.6905	-	-	-	-	-	-
	Index	0.5407	0.5346	0.5468	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.6851	0.6796	0.6906	-	-	-	-	-	-
	Sex Age	0.6850	0.6795	0.6905	-	-	-	-	-	-
	Index	0.5400	0.5339	0.5461	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.6851	0.6796	0.6906	-	-	-	-	-	-
	Sex Age	0.6850	0.6795	0.6905	-	-	-	-	-	-
	Index	0.5400	0.5339	0.5461	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.6851	0.6796	0.6906	-	-	-	-	-	-
	Sex Age	0.6850	0.6795	0.6905	-	-	-	-	-	-
	Index	0.5396	0.5335	0.5457	-	-	-	-	-	-

Table 3.

Lung cancer (ICD-10: C34)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.7766	0.7708	0.7823	0.7786	0.7728	0.7844	0.7796	0.7739	0.7854
	Sex Age	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719
	Index	0.5887	0.5802	0.5972	0.5995	0.5910	0.6080	0.6043	0.5958	0.6128
Charlson Comorbidity Index	Index Sex Age	0.7695	0.7637	0.7752	0.7720	0.7663	0.7778	0.7730	0.7673	0.7788
	Sex Age	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719
	Index	0.5362	0.5315	0.5409	0.5593	0.5538	0.5650	0.5704	0.5643	0.5766
Elixhauser Comorbidity Index	Index Sex Age	0.7688	0.7631	0.7746	0.7707	0.7650	0.7765	0.7718	0.7660	0.7775
	Sex Age	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719
	Index	0.5310	0.5266	0.5355	0.5485	0.5431	0.5539	0.5572	0.5513	0.5630
3-char. ICD-10 main diag.	Index Sex Age	0.7685	0.7627	0.7742	0.7712	0.7655	0.7769	0.7727	0.7670	0.7784
	Sex Age	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719
	Index	0.5277	0.5231	0.5323	0.5548	0.5486	0.5611	0.5695	0.5625	0.5765
Visits to inpatient care	Index Sex Age	0.7677	0.7619	0.7734	0.7688	0.7630	0.7745	0.7694	0.7637	0.7751
	Sex Age	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719
	Index	0.5266	0.5220	0.5312	0.5515	0.5452	0.5579	0.5630	0.5559	0.5701
Days in inpatient care	Index Sex Age	0.7668	0.7610	0.7725	0.7675	0.7618	0.7733	0.7682	0.7625	0.7740
	Sex Age	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719	0.7662	0.7604	0.7719
	Index	0.5267	0.5220	0.5313	0.5517	0.5453	0.5581	0.5633	0.5582	0.5705
1-char. ATC	Index Sex Age	0.7738	0.7681	0.7795	-	-	-	-	-	-
	Sex Age	0.7662	0.7604	0.7719	-	-	-	-	-	-
	Index	0.6174	0.6093	0.6256	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.7755	0.7698	0.7812	-	-	-	-	-	-
	Sex Age	0.7662	0.7604	0.7719	-	-	-	-	-	-
	Index	0.6242	0.6160	0.6325	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.7759	0.7702	0.7816	-	-	-	-	-	-
	Sex Age	0.7662	0.7604	0.7719	-	-	-	-	-	-
	Index	0.6253	0.6170	0.6336	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.7762	0.7705	0.7819	-	-	-	-	-	-
	Sex Age	0.7662	0.7604	0.7719	-	-	-	-	-	-
	Index	0.6261	0.6179	0.6344	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.7762	0.7705	0.7819	-	-	-	-	-	-
	Sex Age	0.7662	0.7604	0.7719	-	-	-	-	-	-
	Index	0.6259	0.6176	0.6342	-	-	-	-	-	-

Table 4.

Malignant melanoma of skin (ICD-10: C43)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.5662	0.5599	0.5725	0.5661	0.5597	0.5724	0.5667	0.5603	0.5730
	Sex Age	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704
	Index	0.5081	0.5023	0.5138	0.5083	0.5028	0.5141	0.5085	0.5027	0.5143
Charlson Comorbidity Index	Index Sex Age	0.5641	0.5578	0.5704	0.5641	0.5578	0.5704	0.5639	0.5576	0.5703
	Sex Age	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704
	Index	0.5035	0.5008	0.5062	0.5044	0.5011	0.5077	0.5040	0.5004	0.5076
Elixhauser Comorbidity Index	Index Sex Age	0.5641	0.5578	0.5705	0.5640	0.5577	0.5703	0.5640	0.5577	0.5703
	Sex Age	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704
	Index	0.5025	0.4999	0.5050	0.5046	0.5014	0.5078	0.5054	0.5019	0.5089
3-char. ICD-10 main diag.	Index Sex Age	0.5644	0.5581	0.5707	0.5644	0.5581	0.5707	0.5646	0.5583	0.5710
	Sex Age	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704
	Index	0.5009	0.4982	0.5036	0.4997	0.4956	0.5037	0.4982	0.4935	0.5029
Visits to inpatient care	Index Sex Age	0.5643	0.5580	0.5706	0.5642	0.5579	0.5705	0.5645	0.5582	0.5708
	Sex Age	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704
	Index	0.5004	0.4976	0.5033	0.5005	0.4963	0.5047	0.4999	0.4950	0.5047
Days in inpatient care	Index Sex Age	0.5643	0.5580	0.5706	0.5643	0.5580	0.5706	0.5646	0.5583	0.5709
	Sex Age	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704	0.5641	0.5577	0.5704
	Index	0.5004	0.4976	0.5032	0.5003	0.4961	0.5045	0.4993	0.4945	0.5042
1-char. ATC	Index Sex Age	0.5645	0.5582	0.5708	-	-	-	-	-	-
	Sex Age	0.5641	0.5577	0.5704	-	-	-	-	-	-
	Index	0.5103	0.5040	0.5167	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5650	0.5587	0.5713	-	-	-	-	-	-
	Sex Age	0.5641	0.5577	0.5704	-	-	-	-	-	-
	Index	0.5096	0.5032	0.5159	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.5652	0.5589	0.5715	-	-	-	-	-	-
	Sex Age	0.5641	0.5577	0.5704	-	-	-	-	-	-
	Index	0.5088	0.5024	0.5151	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.5653	0.5590	0.5716	-	-	-	-	-	-
	Sex Age	0.5641	0.5577	0.5704	-	-	-	-	-	-
	Index	0.5086	0.5023	0.5150	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.5653	0.5590	0.5716	-	-	-	-	-	-
	Sex Age	0.5641	0.5577	0.5704	-	-	-	-	-	-
	Index	0.5087	0.5024	0.5150	-	-	-	-	-	-

Table 5.

Breast cancer (ICD-10: C50)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.5920	0.5878	0.5963	0.5920	0.5878	0.5963	0.5920	0.5877	0.5962
	Sex Age	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959
	Index	0.5017	0.4977	0.5057	0.5014	0.4973	0.5054	0.5000	0.5000	0.5000
Charlson Comorbidity Index	Index Sex Age	0.5921	0.5878	0.5964	0.5919	0.5877	0.5962	0.5918	0.5876	0.5961
	Sex Age	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959
	Index	0.5005	0.4988	0.5021	0.5007	0.4988	0.5028	0.5017	0.4994	0.5040
Elixhauser Comorbidity Index	Index Sex Age	0.5918	0.5876	0.5961	0.5919	0.5876	0.5961	0.5918	0.5876	0.5961
	Sex Age	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959
	Index	0.5013	0.4998	0.5029	0.5025	0.5005	0.5045	0.5033	0.5010	0.5055
3-char. ICD-10 main diag.	Index Sex Age	0.5919	0.5877	0.5962	0.5920	0.5877	0.5962	0.5920	0.5877	0.5962
	Sex Age	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959
	Index	0.5008	0.4990	0.5027	0.4993	0.4966	0.5020	0.4981	0.4949	0.5013
Visits to inpatient care	Index Sex Age	0.5920	0.5877	0.5962	0.5919	0.5877	0.5962	0.5918	0.5876	0.5961
	Sex Age	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959
	Index	0.5023	0.5004	0.5041	0.5035	0.5007	0.5063	0.5045	0.5012	0.5078
Days in inpatient care	Index Sex Age	0.5920	0.5877	0.5962	0.5920	0.5878	0.5962	0.5919	0.5876	0.5961
	Sex Age	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959	0.5917	0.5874	0.5959
	Index	0.5023	0.5004	0.5042	0.5034	0.5005	0.5062	0.5043	0.5010	0.5077
1-char. ATC	Index Sex Age	0.5918	0.5875	0.5960	-	-	-	-	-	-
	Sex Age	0.5917	0.5874	0.5959	-	-	-	-	-	-
	Index	0.5166	0.5123	0.5209	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5916	0.5874	0.5959	-	-	-	-	-	-
	Sex Age	0.5917	0.5874	0.5959	-	-	-	-	-	-
	Index	0.5174	0.5131	0.5217	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.5917	0.5874	0.5959	-	-	-	-	-	-
	Sex Age	0.5917	0.5874	0.5959	-	-	-	-	-	-
	Index	0.5168	0.5125	0.5212	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.5917	0.5874	0.5959	-	-	-	-	-	-
	Sex Age	0.5917	0.5874	0.5959	-	-	-	-	-	-
	Index	0.5166	0.5123	0.5209	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.5917	0.5874	0.5959	-	-	-	-	-	-
	Sex Age	0.5917	0.5874	0.5959	-	-	-	-	-	-
	Index	0.5165	0.5122	0.5208	-	-	-	-	-	-

Table 6.

Prostate cancer (ICD-10: C61)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.7757	0.7729	0.7785	0.7758	0.7730	0.7786	0.7759	0.7731	0.7787
	Sex Age	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772
	Index	0.5123	0.5082	0.5164	0.5093	0.5051	0.5134	0.5076	0.5035	0.5118
Charlson Comorbidity Index	Index Sex Age	0.7749	0.7721	0.7777	0.7750	0.7722	0.7778	0.7750	0.7722	0.7778
	Sex Age	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772
	Index	0.5054	0.5038	0.5072	0.5100	0.5077	0.5122	0.5130	0.5105	0.5155
Elixhauser Comorbidity Index	Index Sex Age	0.7750	0.7722	0.7778	0.7752	0.7724	0.7780	0.7751	0.7723	0.7779
	Sex Age	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772
	Index	0.5049	0.5031	0.5066	0.5080	0.5059	0.5102	0.5102	0.5078	0.5125
3-char. ICD-10 main diag.	Index Sex Age	0.7746	0.7718	0.7774	0.7746	0.7718	0.7775	0.7747	0.7719	0.7775
	Sex Age	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772
	Index	0.5064	0.5044	0.5084	0.5171	0.5142	0.5200	0.5229	0.5196	0.5262
Visits to inpatient care	Index Sex Age	0.7747	0.7719	0.7775	0.7747	0.7719	0.7775	0.7747	0.7719	0.7775
	Sex Age	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772
	Index	0.5066	0.5046	0.5086	0.5175	0.5145	0.5204	0.5234	0.5201	0.5267
Days in inpatient care	Index Sex Age	0.7747	0.7719	0.7775	0.7748	0.7720	0.7776	0.7748	0.7720	0.7776
	Sex Age	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772	0.7744	0.7716	0.7772
	Index	0.4934	0.4914	0.4954	0.4825	0.4796	0.4854	0.4766	0.4732	0.4799
1-char. ATC	Index Sex Age	0.7749	0.7721	0.7777	-	-	-	-	-	-
	Sex Age	0.7744	0.7716	0.7772	-	-	-	-	-	-
	Index	0.5770	0.5729	0.5812	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.7740	0.7712	0.7768	-	-	-	-	-	-
	Sex Age	0.7744	0.7716	0.7772	-	-	-	-	-	-
	Index	0.5779	0.5738	0.5821	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.7741	0.7712	0.7769	-	-	-	-	-	-
	Sex Age	0.7744	0.7716	0.7772	-	-	-	-	-	-
	Index	0.5761	0.5720	0.5803	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.7741	0.7713	0.7769	-	-	-	-	-	-
	Sex Age	0.7744	0.7716	0.7772	-	-	-	-	-	-
	Index	0.5752	0.5711	0.5794	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.7741	0.7713	0.7769	-	-	-	-	-	-
	Sex Age	0.7744	0.7716	0.7772	-	-	-	-	-	-
	Index	0.5752	0.5710	0.5793	-	-	-	-	-	-

Tables 7 to 12 are for the age group 65-79 years of age.

Table 7.

Carcinoma, all (ICD-10: C00-C97)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.5723	0.5706	0.5740	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739
	Sex Age	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739
	Index	0.4993	0.4977	0.5010	0.4961	0.4944	0.4977	0.5055	0.5039	0.5072
Charlson Comorbidity Index	Index Sex Age	0.5723	0.5706	0.5740	0.5723	0.5707	0.5740	0.5724	0.5707	0.5740
	Sex Age	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739
	Index	0.5047	0.5037	0.5057	0.5082	0.5070	0.5093	0.5101	0.5088	0.5114
Elixhauser Comorbidity Index	Index Sex Age	0.5721	0.5704	0.5738	0.5724	0.5707	0.5741	0.5724	0.5708	0.5741
	Sex Age	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739
	Index	0.5062	0.5052	0.5071	0.5100	0.5089	0.5112	0.5118	0.5105	0.5130
3-char. ICD-10 main diag.	Index Sex Age	0.5724	0.5707	0.5740	0.5722	0.5705	0.5738	0.5721	0.5704	0.5738
	Sex Age	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739
	Index	0.5021	0.5011	0.5030	0.5067	0.5054	0.5081	0.5089	0.5074	0.5103
Visits to inpatient care	Index Sex Age	0.5724	0.5707	0.5741	0.5722	0.5705	0.5739	0.5722	0.5705	0.5738
	Sex Age	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739
	Index	0.4979	0.4970	0.4989	0.5066	0.5053	0.5080	0.5089	0.5074	0.5103
Days in inpatient care	Index Sex Age	0.5726	0.5709	0.5743	0.5726	0.5709	0.5743	0.5726	0.5709	0.5743
	Sex Age	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739	0.5722	0.5705	0.5739
	Index	0.4980	0.4971	0.4990	0.4937	0.4923	0.4950	0.4916	0.4901	0.4930
1-char. ATC	Index Sex Age	0.5742	0.5726	0.5759	-	-	-	-	-	-
	Sex Age	0.5722	0.5705	0.5739	-	-	-	-	-	-
	Index	0.5174	0.5157	0.5190	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5740	0.5723	0.5757	-	-	-	-	-	-
	Sex Age	0.5722	0.5705	0.5739	-	-	-	-	-	-
	Index	0.5194	0.5177	0.5211	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.5739	0.5723	0.5756	-	-	-	-	-	-
	Sex Age	0.5722	0.5705	0.5739	-	-	-	-	-	-
	Index	0.5192	0.5176	0.5209	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.5738	0.5721	0.5754	-	-	-	-	-	-
	Sex Age	0.5722	0.5705	0.5739	-	-	-	-	-	-
	Index	0.5191	0.5175	0.5208	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.5737	0.5720	0.5754	-	-	-	-	-	-
	Sex Age	0.5722	0.5705	0.5739	-	-	-	-	-	-
	Index	0.5189	0.5173	0.5206	-	-	-	-	-	-

Table 8.

Colorectal cancer (ICD-10: C18-C21)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.5812	0.5769	0.5855	0.5808	0.5765	0.5851	0.5805	0.5762	0.5848
	Sex Age	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834
	Index	0.5042	0.4999	0.5085	0.5011	0.4968	0.5054	0.4993	0.4950	0.5036
Charlson Comorbidity Index	Index Sex Age	0.5800	0.5758	0.5843	0.5796	0.5753	0.5839	0.5795	0.5752	0.5838
	Sex Age	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834
	Index	0.4991	0.4964	0.5018	0.5062	0.5029	0.5095	0.5086	0.5051	0.5121
Elixhauser Comorbidity Index	Index Sex Age	0.5800	0.5758	0.5843	0.5795	0.5752	0.5838	0.5795	0.5752	0.5837
	Sex Age	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834
	Index	0.4976	0.4949	0.5003	0.5079	0.5047	0.5111	0.5107	0.5073	0.5141
3-char. ICD-10 main diag.	Index Sex Age	0.5798	0.5756	0.5841	0.5801	0.5759	0.5844	0.5801	0.5759	0.5844
	Sex Age	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834
	Index	0.5006	0.4981	0.5032	0.4981	0.4946	0.5016	0.4976	0.4938	0.5014
Visits to inpatient care	Index Sex Age	0.5800	0.5757	0.5842	0.5801	0.5758	0.5844	0.5800	0.5758	0.5843
	Sex Age	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834
	Index	0.5007	0.4981	0.5033	0.4981	0.4946	0.5016	0.4977	0.4938	0.5015
Days in inpatient care	Index Sex Age	0.5802	0.5760	0.5845	0.5803	0.5760	0.5845	0.5802	0.5759	0.5845
	Sex Age	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834	0.5792	0.5749	0.5834
	Index	0.5008	0.4982	0.5034	0.4977	0.4942	0.5012	0.4970	0.4932	0.5009
1-char. ATC	Index Sex Age	0.5802	0.5760	0.5845	-	-	-	-	-	-
	Sex Age	0.5792	0.5749	0.5834	-	-	-	-	-	-
	Index	0.5011	0.4968	0.5053	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5799	0.5756	0.5841	-	-	-	-	-	-
	Sex Age	0.5792	0.5749	0.5834	-	-	-	-	-	-
	Index	0.5052	0.5009	0.5095	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.5798	0.5756	0.5841	-	-	-	-	-	-
	Sex Age	0.5792	0.5749	0.5834	-	-	-	-	-	-
	Index	0.5049	0.5006	0.5092	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.5798	0.5756	0.5841	-	-	-	-	-	-
	Sex Age	0.5792	0.5749	0.5834	-	-	-	-	-	-
	Index	0.5000	0.5000	0.5000	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.5799	0.5757	0.5842	-	-	-	-	-	-
	Sex Age	0.5792	0.5749	0.5834	-	-	-	-	-	-
	Index	0.4958	0.4915	0.5000	-	-	-	-	-	-

Table 9.

Lung cancer (ICD-10: C34)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.5722	0.5674	0.5769	0.5805	0.5758	0.5853	0.5851	0.5803	0.5899
	Sex Age	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472
	Index	0.5639	0.5589	0.5688	0.5735	0.5685	0.5784	0.5790	0.5741	0.5840
Charlson Comorbidity Index	Index Sex Age	0.5521	0.5474	0.5568	0.5616	0.5568	0.5664	0.5669	0.5621	0.5717
	Sex Age	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472
	Index	0.5257	0.5223	0.5292	0.5426	0.5385	0.5467	0.5514	0.5471	0.5557
Elixhauser Comorbidity Index	Index Sex Age	0.5460	0.5413	0.5507	0.5520	0.5472	0.5567	0.5549	0.5501	0.5598
	Sex Age	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472
	Index	0.5191	0.5158	0.5224	0.5335	0.5296	0.5374	0.5393	0.5351	0.5434
3-char. ICD-10 main diag.	Index Sex Age	0.5463	0.5416	0.5510	0.5518	0.5471	0.5565	0.5550	0.5502	0.5597
	Sex Age	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472
	Index	0.5130	0.5098	0.5162	0.5271	0.5229	0.5313	0.5352	0.5307	0.5398
Visits to inpatient care	Index Sex Age	0.5446	0.5399	0.5493	0.5488	0.5441	0.5535	0.5506	0.5459	0.5553
	Sex Age	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472
	Index	0.5129	0.5097	0.5161	0.5268	0.5226	0.5311	0.5354	0.5309	0.5400
Days in inpatient care	Index Sex Age	0.5428	0.5381	0.5475	0.5445	0.5398	0.5492	0.5458	0.5411	0.5505
	Sex Age	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472	0.5424	0.5377	0.5472
	Index	0.5129	0.5097	0.5161	0.5273	0.5231	0.5316	0.5363	0.5317	0.5409
1-char. ATC	Index Sex Age	0.5637	0.5588	0.5685	-	-	-	-	-	-
	Sex Age	0.5424	0.5377	0.5472	-	-	-	-	-	-
	Index	0.5554	0.5505	0.5603	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5682	0.5633	0.5730	-	-	-	-	-	-
	Sex Age	0.5424	0.5377	0.5472	-	-	-	-	-	-
	Index	0.5601	0.5551	0.5651	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.5707	0.5658	0.5755	-	-	-	-	-	-
	Sex Age	0.5424	0.5377	0.5472	-	-	-	-	-	-
	Index	0.5630	0.5580	0.5679	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.5705	0.5656	0.5753	-	-	-	-	-	-
	Sex Age	0.5424	0.5377	0.5472	-	-	-	-	-	-
	Index	0.5629	0.5579	0.5679	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.5707	0.5659	0.5756	-	-	-	-	-	-
	Sex Age	0.5424	0.5377	0.5472	-	-	-	-	-	-
	Index	0.5631	0.5581	0.5681	-	-	-	-	-	-

Table 10.

Malignant melanoma of skin (ICD-10: C43)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.5661	0.5598	0.5725	0.5668	0.5603	0.5732	0.5668	0.5603	0.5732
	Sex Age	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682
	Index	0.5179	0.5115	0.5243	0.5172	0.5108	0.5236	0.5154	0.5090	0.5218
Charlson Comorbidity Index	Index Sex Age	0.5618	0.5552	0.5683	0.5619	0.5554	0.5684	0.5620	0.5555	0.5688
	Sex Age	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682
	Index	0.5046	0.5005	0.5087	0.5040	0.4991	0.5089	0.5071	0.5019	0.5124
Elixhauser Comorbidity Index	Index Sex Age	0.5618	0.5553	0.5683	0.5616	0.5551	0.5681	0.5615	0.5549	0.5680
	Sex Age	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682
	Index	0.5097	0.5055	0.5138	0.5112	0.5064	0.5161	0.5129	0.5077	0.5180
3-char. ICD-10 main diag.	Index Sex Age	0.5621	0.5556	0.5686	0.5623	0.5558	0.5688	0.5621	0.5556	0.5686
	Sex Age	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682
	Index	0.4998	0.4959	0.5036	0.4972	0.4920	0.5024	0.4937	0.4880	0.4994
Visits to inpatient care	Index Sex Age	0.5624	0.5559	0.5689	0.5623	0.5558	0.5688	0.5623	0.5558	0.5688
	Sex Age	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682
	Index	0.5002	0.4963	0.5040	0.4973	0.4921	0.5025	0.4943	0.4886	0.5000
Days in inpatient care	Index Sex Age	0.5632	0.5567	0.5697	0.5640	0.5576	0.5705	0.5635	0.5570	0.5700
	Sex Age	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682	0.5616	0.5551	0.5682
	Index	0.5003	0.4964	0.5042	0.4986	0.4934	0.5038	0.4955	0.4898	0.5012
1-char. ATC	Index Sex Age	0.5631	0.5566	0.5697	-	-	-	-	-	-
	Sex Age	0.5616	0.5551	0.5682	-	-	-	-	-	-
	Index	0.5151	0.5089	0.5214	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5622	0.5557	0.5688	-	-	-	-	-	-
	Sex Age	0.5616	0.5551	0.5682	-	-	-	-	-	-
	Index	0.5149	0.5086	0.5211	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.5620	0.5555	0.5685	-	-	-	-	-	-
	Sex Age	0.5616	0.5551	0.5682	-	-	-	-	-	-
	Index	0.5128	0.5066	0.5190	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.5620	0.5555	0.5685	-	-	-	-	-	-
	Sex Age	0.5616	0.5551	0.5682	-	-	-	-	-	-
	Index	0.5131	0.5069	0.5194	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.5620	0.5555	0.5685	-	-	-	-	-	-
	Sex Age	0.5616	0.5551	0.5682	-	-	-	-	-	-
	Index	0.5132	0.5070	0.5194	-	-	-	-	-	-

Table 11.

Breast cancer (ICD-10: C50)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.5333	0.5288	0.5379	0.5330	0.5284	0.5377	0.5332	0.5288	0.5379
	Sex Age	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362
	Index	0.5068	0.5022	0.5115	0.5065	0.5019	0.5112	0.5058	0.5011	0.5104
Charlson Comorbidity Index	Index Sex Age	0.5343	0.5298	0.5389	0.5343	0.5297	0.5390	0.5332	0.5288	0.5379
	Sex Age	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362
	Index	0.5086	0.5080	0.5111	0.5113	0.5081	0.5144	0.5099	0.5084	0.5133
Elixhauser Comorbidity Index	Index Sex Age	0.5331	0.5285	0.5378	0.5324	0.5277	0.5370	0.5323	0.5278	0.5389
	Sex Age	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362
	Index	0.5038	0.5012	0.5063	0.5031	0.4999	0.5062	0.5018	0.4984	0.5052
3-char. ICD-10 main diag.	Index Sex Age	0.5339	0.5293	0.5385	0.5333	0.5287	0.5380	0.5327	0.5280	0.5373
	Sex Age	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362
	Index	0.5080	0.5054	0.5108	0.5090	0.5054	0.5126	0.5074	0.5033	0.5114
Visits to inpatient care	Index Sex Age	0.5342	0.5298	0.5389	0.5335	0.5288	0.5381	0.5327	0.5281	0.5374
	Sex Age	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362
	Index	0.5082	0.5058	0.5108	0.5089	0.5053	0.5126	0.5074	0.5034	0.5115
Days in inpatient care	Index Sex Age	0.5344	0.5298	0.5390	0.5342	0.5295	0.5388	0.5334	0.5288	0.5381
	Sex Age	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362	0.5316	0.5270	0.5362
	Index	0.5084	0.5058	0.5110	0.5098	0.5062	0.5135	0.5089	0.5048	0.5129
1-char. ATC	Index Sex Age	0.5331	0.5285	0.5378	-	-	-	-	-	-
	Sex Age	0.5316	0.5270	0.5362	-	-	-	-	-	-
	Index	0.5031	0.4984	0.5078	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5321	0.5274	0.5367	-	-	-	-	-	-
	Sex Age	0.5316	0.5270	0.5362	-	-	-	-	-	-
	Index	0.4989	0.4942	0.5037	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.5321	0.5274	0.5367	-	-	-	-	-	-
	Sex Age	0.5316	0.5270	0.5362	-	-	-	-	-	-
	Index	0.4985	0.4938	0.5033	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.5321	0.5274	0.5367	-	-	-	-	-	-
	Sex Age	0.5316	0.5270	0.5362	-	-	-	-	-	-
	Index	0.4991	0.4944	0.5038	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.5320	0.5274	0.5367	-	-	-	-	-	-
	Sex Age	0.5316	0.5270	0.5362	-	-	-	-	-	-
	Index	0.4992	0.4945	0.5039	-	-	-	-	-	-

Table 12.

Prostate cancer (ICD-10: C61)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.5414	0.5382	0.5446	0.5440	0.5408	0.5472	0.5458	0.5426	0.5490
	Sex Age	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115
	Index	0.5349	0.5318	0.5380	0.5370	0.5339	0.5401	0.5389	0.5358	0.5420
Charlson Comorbidity Index	Index Sex Age	0.5294	0.5262	0.5326	0.5355	0.5322	0.5387	0.5379	0.5346	0.5411
	Sex Age	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115
	Index	0.5196	0.5178	0.5214	0.5253	0.5231	0.5276	0.5281	0.5257	0.5306
Elixhauser Comorbidity Index	Index Sex Age	0.5265	0.5232	0.5297	0.5312	0.5279	0.5344	0.5336	0.5304	0.5369
	Sex Age	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115
	Index	0.5166	0.5147	0.5185	0.5215	0.5193	0.5237	0.5244	0.5220	0.5268
3-char. ICD-10 main diag.	Index Sex Age	0.5218	0.5186	0.5250	0.5264	0.5231	0.5297	0.5285	0.5252	0.5317
	Sex Age	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115
	Index	0.5127	0.5109	0.5146	0.5182	0.5156	0.5208	0.5219	0.5191	0.5247
Visits to inpatient care	Index Sex Age	0.5219	0.5186	0.5251	0.5262	0.5230	0.5295	0.5288	0.5255	0.5320
	Sex Age	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115
	Index	0.5128	0.5109	0.5147	0.5186	0.5160	0.5211	0.5221	0.5193	0.5249
Days in inpatient care	Index Sex Age	0.5224	0.5192	0.5257	0.5286	0.5254	0.5319	0.5316	0.5284	0.5349
	Sex Age	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115	0.5082	0.5050	0.5115
	Index	0.5131	0.5112	0.5150	0.5195	0.5169	0.5220	0.5234	0.5206	0.5262
1-char. ATC	Index Sex Age	0.5175	0.5142	0.5208	-	-	-	-	-	-
	Sex Age	0.5082	0.5050	0.5115	-	-	-	-	-	-
	Index	0.5144	0.5112	0.5177	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5238	0.5205	0.5271	-	-	-	-	-	-
	Sex Age	0.5082	0.5050	0.5115	-	-	-	-	-	-
	Index	0.5197	0.5165	0.5229	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.5249	0.5217	0.5282	-	-	-	-	-	-
	Sex Age	0.5082	0.5050	0.5115	-	-	-	-	-	-
	Index	0.5206	0.5174	0.5238	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.5259	0.5227	0.5292	-	-	-	-	-	-
	Sex Age	0.5082	0.5050	0.5115	-	-	-	-	-	-
	Index	0.5214	0.5182	0.5246	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.5261	0.5228	0.5293	-	-	-	-	-	-
	Sex Age	0.5082	0.5050	0.5115	-	-	-	-	-	-
	Index	0.5215	0.5183	0.5247	-	-	-	-	-	-

Tables 13 to 18 are for the age group 80-plus years of age.

Table 13.

Carcinoma, all (ICD-10: C00-C97)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.6150	0.6123	0.6178	0.6167	0.6140	0.6194	0.6173	0.6146	0.6200
	Sex Age	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010
	Index	0.5716	0.5688	0.5743	0.5730	0.5703	0.5757	0.5737	0.5710	0.5764
Charlson Comorbidity Index	Index Sex Age	0.6022	0.5995	0.6050	0.6045	0.6018	0.6073	0.6049	0.6021	0.6076
	Sex Age	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010
	Index	0.5172	0.5153	0.5191	0.5289	0.5266	0.5313	0.5326	0.5301	0.5351
Elixhauser Comorbidity Index	Index Sex Age	0.6010	0.5982	0.6037	0.6023	0.5995	0.6051	0.6024	0.5996	0.6052
	Sex Age	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010
	Index	0.5106	0.5086	0.5125	0.5196	0.5173	0.5219	0.5214	0.5189	0.5238
3-char. ICD-10 main diag.	Index Sex Age	0.6018	0.5991	0.6046	0.6041	0.6014	0.6069	0.6052	0.6025	0.6080
	Sex Age	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010
	Index	0.5214	0.5193	0.5234	0.5360	0.5335	0.5385	0.5412	0.5386	0.5439
Visits to inpatient care	Index Sex Age	0.6019	0.5991	0.6047	0.6041	0.6013	0.6068	0.6048	0.6021	0.6076
	Sex Age	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010
	Index	0.5216	0.5196	0.5237	0.5361	0.5336	0.5387	0.5411	0.5384	0.5438
Days in inpatient care	Index Sex Age	0.6032	0.6005	0.6060	0.6069	0.6042	0.6097	0.6090	0.6063	0.6118
	Sex Age	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010	0.5983	0.5955	0.6010
	Index	0.5236	0.5216	0.5256	0.5428	0.5403	0.5453	0.5510	0.5483	0.5536
1-char. ATC	Index Sex Age	0.5983	0.5956	0.6011	-	-	-	-	-	-
	Sex Age	0.5983	0.5955	0.6010	-	-	-	-	-	-
	Index	0.5147	0.5118	0.5176	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5988	0.5960	0.6016	-	-	-	-	-	-
	Sex Age	0.5983	0.5955	0.6010	-	-	-	-	-	-
	Index	0.5218	0.5189	0.5247	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.5992	0.5964	0.6019	-	-	-	-	-	-
	Sex Age	0.5983	0.5955	0.6010	-	-	-	-	-	-
	Index	0.5249	0.5221	0.5278	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.5994	0.5966	0.6022	-	-	-	-	-	-
	Sex Age	0.5983	0.5955	0.6010	-	-	-	-	-	-
	Index	0.5258	0.5230	0.5287	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.5994	0.5966	0.6022	-	-	-	-	-	-
	Sex Age	0.5983	0.5955	0.6010	-	-	-	-	-	-
	Index	0.5258	0.5230	0.5287	-	-	-	-	-	-

Table 14.

Colorectal cancer (ICD-10: C18-C21)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.6149	0.6089	0.6209	0.6176	0.6117	0.6236	0.6183	0.6124	0.6242
	Sex Age	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982
	Index	0.5810	0.5747	0.5872	0.5845	0.5783	0.5907	0.5857	0.5794	0.5919
Charlson Comorbidity Index	Index Sex Age	0.5984	0.5923	0.6045	0.6028	0.5968	0.6089	0.6037	0.5976	0.6098
	Sex Age	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982
	Index	0.5192	0.5145	0.5238	0.5361	0.5308	0.5416	0.5407	0.5348	0.5465
Elixhauser Comorbidity Index	Index Sex Age	0.5967	0.5906	0.6028	0.5998	0.5937	0.6059	0.6000	0.5939	0.6061
	Sex Age	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982
	Index	0.5157	0.5110	0.5203	0.5295	0.5241	0.5350	0.5323	0.5266	0.5381
3-char. ICD-10 main diag.	Index Sex Age	0.5979	0.5918	0.6040	0.6030	0.5969	0.6090	0.6051	0.5990	0.6111
	Sex Age	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982
	Index	0.5270	0.5223	0.5317	0.5484	0.5426	0.5542	0.5547	0.5485	0.5608
Visits to inpatient care	Index Sex Age	0.5981	0.5920	0.6042	0.6031	0.5971	0.6092	0.6042	0.5981	0.6103
	Sex Age	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982
	Index	0.5274	0.5227	0.5321	0.5494	0.5436	0.5553	0.5553	0.5491	0.5615
Days in inpatient care	Index Sex Age	0.5993	0.5932	0.6054	0.6045	0.5984	0.6105	0.6073	0.6012	0.6133
	Sex Age	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982	0.5921	0.5860	0.5982
	Index	0.5295	0.5249	0.5342	0.5556	0.5499	0.5613	0.5647	0.5587	0.5708
1-char. ATC	Index Sex Age	0.5971	0.5909	0.6032	-	-	-	-	-	-
	Sex Age	0.5921	0.5860	0.5982	-	-	-	-	-	-
	Index	0.5368	0.5302	0.5435	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5997	0.5936	0.6058	-	-	-	-	-	-
	Sex Age	0.5921	0.5860	0.5982	-	-	-	-	-	-
	Index	0.5434	0.5368	0.5500	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.6004	0.5943	0.6065	-	-	-	-	-	-
	Sex Age	0.5921	0.5860	0.5982	-	-	-	-	-	-
	Index	0.5459	0.5393	0.5524	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.6012	0.5951	0.6073	-	-	-	-	-	-
	Sex Age	0.5921	0.5860	0.5982	-	-	-	-	-	-
	Index	0.5472	0.5406	0.5538	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.6013	0.5952	0.6074	-	-	-	-	-	-
	Sex Age	0.5921	0.5860	0.5982	-	-	-	-	-	-
	Index	0.5474	0.5409	0.5540	-	-	-	-	-	-

Table 15.

Lung cancer (ICD-10: C34)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.6701	0.6616	0.6787	0.6698	0.6612	0.6784	0.6694	0.6609	0.6780
	Sex Age	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760
	Index	0.5534	0.5436	0.5632	0.5493	0.5395	0.5591	0.5473	0.5375	0.5572
Charlson Comorbidity Index	Index Sex Age	0.6678	0.6592	0.6765	0.6677	0.6591	0.6764	0.6671	0.6584	0.6758
	Sex Age	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760
	Index	0.5018	0.4941	0.5095	0.5053	0.4963	0.5144	0.5001	0.4906	0.5096
Elixhauser Comorbidity Index	Index Sex Age	0.6682	0.6595	0.6768	0.6688	0.6602	0.6774	0.6678	0.6591	0.6764
	Sex Age	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760
	Index	0.5059	0.4985	0.5134	0.5128	0.5042	0.5213	0.5083	0.4993	0.5173
3-char. ICD-10 main diag.	Index Sex Age	0.6692	0.6605	0.6778	0.6699	0.6613	0.6785	0.6699	0.6612	0.6785
	Sex Age	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760
	Index	0.5260	0.5187	0.5334	0.5366	0.5275	0.5458	0.5403	0.5308	0.5499
Visits to inpatient care	Index Sex Age	0.6691	0.6605	0.6778	0.6700	0.6613	0.6786	0.6698	0.6611	0.6784
	Sex Age	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760
	Index	0.5259	0.5185	0.5333	0.5361	0.5269	0.5454	0.5393	0.5296	0.5490
Days in inpatient care	Index Sex Age	0.6694	0.6607	0.6780	0.6705	0.6619	0.6791	0.6707	0.6621	0.6793
	Sex Age	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760	0.6673	0.6586	0.6760
	Index	0.5279	0.5206	0.5353	0.5432	0.5341	0.5522	0.5489	0.5394	0.5583
1-char. ATC	Index Sex Age	0.6687	0.6600	0.6774	-	-	-	-	-	-
	Sex Age	0.6673	0.6586	0.6760	-	-	-	-	-	-
	Index	0.5015	0.4910	0.5119	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.6682	0.6595	0.6769	-	-	-	-	-	-
	Sex Age	0.6673	0.6586	0.6760	-	-	-	-	-	-
	Index	0.5074	0.4970	0.5178	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.6683	0.6596	0.6770	-	-	-	-	-	-
	Sex Age	0.6673	0.6586	0.6760	-	-	-	-	-	-
	Index	0.5060	0.4957	0.5164	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.6682	0.6595	0.6769	-	-	-	-	-	-
	Sex Age	0.6673	0.6586	0.6760	-	-	-	-	-	-
	Index	0.5075	0.4971	0.5178	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.6682	0.6595	0.6769	-	-	-	-	-	-
	Sex Age	0.6673	0.6586	0.6760	-	-	-	-	-	-
	Index	0.5067	0.4963	0.5171	-	-	-	-	-	-

Table 16.

Malignant melanoma of skin (ICD-10: C43)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.6046	0.5942	0.6149	0.6055	0.5951	0.6159	0.6057	0.5953	0.6161
	Sex Age	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969
	Index	0.5645	0.5542	0.5748	0.5643	0.5540	0.5746	0.5631	0.5528	0.5734
Charlson Comorbidity Index	Index Sex Age	0.5921	0.5815	0.6027	0.5930	0.5823	0.6037	0.5929	0.5822	0.6035
	Sex Age	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969
	Index	0.5142	0.5064	0.5219	0.5197	0.5104	0.5290	0.5193	0.5094	0.5291
Elixhauser Comorbidity Index	Index Sex Age	0.5889	0.5783	0.5996	0.5883	0.5776	0.5990	0.5886	0.5779	0.5992
	Sex Age	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969
	Index	0.5063	0.4984	0.5142	0.5072	0.4979	0.5164	0.5087	0.4990	0.5184
3-char. ICD-10 main diag.	Index Sex Age	0.5930	0.5824	0.6036	0.5934	0.5828	0.6040	0.5956	0.5850	0.6062
	Sex Age	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969
	Index	0.5253	0.5176	0.5331	0.5345	0.5247	0.5442	0.5403	0.5301	0.5504
Visits to inpatient care	Index Sex Age	0.5935	0.5829	0.6041	0.5929	0.5823	0.6036	0.5949	0.5843	0.6056
	Sex Age	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969
	Index	0.5262	0.5185	0.5339	0.5352	0.5254	0.5450	0.5420	0.5318	0.5522
Days in inpatient care	Index Sex Age	0.5924	0.5818	0.6030	0.5928	0.5821	0.6034	0.5963	0.5856	0.6069
	Sex Age	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969	0.5862	0.5755	0.5969
	Index	0.5267	0.5189	0.5344	0.5387	0.5290	0.5484	0.5477	0.5375	0.5578
1-char. ATC	Index Sex Age	0.5864	0.5758	0.5971	-	-	-	-	-	-
	Sex Age	0.5862	0.5755	0.5969	-	-	-	-	-	-
	Index	0.5065	0.4957	0.5172	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5864	0.5757	0.5971	-	-	-	-	-	-
	Sex Age	0.5862	0.5755	0.5969	-	-	-	-	-	-
	Index	0.5134	0.5028	0.5241	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.5868	0.5762	0.5975	-	-	-	-	-	-
	Sex Age	0.5862	0.5755	0.5969	-	-	-	-	-	-
	Index	0.5176	0.5070	0.5281	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.5868	0.5762	0.5975	-	-	-	-	-	-
	Sex Age	0.5862	0.5755	0.5969	-	-	-	-	-	-
	Index	0.5170	0.5064	0.5276	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.5868	0.5761	0.5974	-	-	-	-	-	-
	Sex Age	0.5862	0.5755	0.5969	-	-	-	-	-	-
	Index	0.5165	0.5059	0.5271	-	-	-	-	-	-

Table 17.

Breast cancer (ICD-10: C50)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.5806	0.5729	0.5883	0.5824	0.5748	0.5900	0.5838	0.5782	0.5914
	Sex Age	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750
	Index	0.5520	0.5441	0.5599	0.5545	0.5467	0.5624	0.5575	0.5497	0.5653
Charlson Comorbidity Index	Index Sex Age	0.5719	0.5641	0.5797	0.5728	0.5650	0.5805	0.5737	0.5659	0.5815
	Sex Age	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750
	Index	0.5174	0.5120	0.5228	0.5241	0.5173	0.5309	0.5292	0.5220	0.5364
Elixhauser Comorbidity Index	Index Sex Age	0.5690	0.5612	0.5767	0.5692	0.5614	0.5770	0.5690	0.5612	0.5768
	Sex Age	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750
	Index	0.5091	0.5035	0.5146	0.5108	0.5041	0.5175	0.5126	0.5055	0.5197
3-char. ICD-10 main diag.	Index Sex Age	0.5709	0.5631	0.5787	0.5716	0.5639	0.5794	0.5733	0.5655	0.5810
	Sex Age	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750
	Index	0.5167	0.5107	0.5227	0.5253	0.5179	0.5326	0.5321	0.5244	0.5399
Visits to inpatient care	Index Sex Age	0.5707	0.5629	0.5785	0.5716	0.5638	0.5794	0.5735	0.5657	0.5813
	Sex Age	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750
	Index	0.5167	0.5107	0.5227	0.5247	0.5172	0.5322	0.5315	0.5238	0.5393
Days in inpatient care	Index Sex Age	0.5721	0.5643	0.5798	0.5735	0.5658	0.5813	0.5765	0.5687	0.5842
	Sex Age	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750	0.5672	0.5594	0.5750
	Index	0.5182	0.5122	0.5242	0.5297	0.5223	0.5370	0.5393	0.5316	0.5470
1-char. ATC	Index Sex Age	0.5675	0.5597	0.5754	-	-	-	-	-	-
	Sex Age	0.5672	0.5594	0.5750	-	-	-	-	-	-
	Index	0.5103	0.5020	0.5186	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.5684	0.5605	0.5762	-	-	-	-	-	-
	Sex Age	0.5672	0.5594	0.5750	-	-	-	-	-	-
	Index	0.5150	0.5068	0.5233	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.5693	0.5615	0.5771	-	-	-	-	-	-
	Sex Age	0.5672	0.5594	0.5750	-	-	-	-	-	-
	Index	0.5186	0.5104	0.5269	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.5698	0.5620	0.5776	-	-	-	-	-	-
	Sex Age	0.5672	0.5594	0.5750	-	-	-	-	-	-
	Index	0.5205	0.5122	0.5287	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.5699	0.5621	0.5777	-	-	-	-	-	-
	Sex Age	0.5672	0.5594	0.5750	-	-	-	-	-	-
	Index	0.5207	0.5125	0.5289	-	-	-	-	-	-

Table 18.

Prostate cancer (ICD-10: C61)

Index, Model, Year of Event 2015-2019		Look-back period								
		2014			2012-2014			2010-2014		
		AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL	AUROC	95% LCL	95% UCL
Nordic Multimorbidity Index	Index Sex Age	0.6484	0.6419	0.6549	0.6517	0.6452	0.6582	0.6532	0.6467	0.6597
	Sex Age	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112
	Index	0.6148	0.6080	0.6215	0.6202	0.6135	0.6269	0.6227	0.6159	0.6294
Charlson Comorbidity Index	Index Sex Age	0.6229	0.6162	0.6296	0.6301	0.6234	0.6368	0.6309	0.6242	0.6376
	Sex Age	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112
	Index	0.5486	0.5438	0.5536	0.5706	0.5645	0.5767	0.5772	0.5707	0.5837
Elixhauser Comorbidity Index	Index Sex Age	0.6224	0.6157	0.6291	0.6284	0.6217	0.6351	0.6293	0.6225	0.6360
	Sex Age	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112
	Index	0.5468	0.5417	0.5519	0.5676	0.5615	0.5736	0.5723	0.5660	0.5787
3-char. ICD-10 main diag.	Index Sex Age	0.6167	0.6100	0.6235	0.6250	0.6183	0.6318	0.6287	0.6219	0.6354
	Sex Age	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112
	Index	0.5418	0.5366	0.5470	0.5684	0.5619	0.5749	0.5773	0.5705	0.5841
Visits to inpatient care	Index Sex Age	0.6167	0.6099	0.6234	0.6257	0.6189	0.6324	0.6285	0.6218	0.6353
	Sex Age	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112
	Index	0.5424	0.5373	0.5476	0.5686	0.5621	0.5751	0.5762	0.5694	0.5831
Days in inpatient care	Index Sex Age	0.6193	0.6126	0.6260	0.6304	0.6237	0.6371	0.6346	0.6280	0.6413
	Sex Age	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112	0.6044	0.5977	0.6112
	Index	0.5447	0.5396	0.5498	0.5759	0.5695	0.5822	0.5865	0.5798	0.5931
1-char. ATC	Index Sex Age	0.6208	0.6140	0.6277	-	-	-	-	-	-
	Sex Age	0.6044	0.5977	0.6112	-	-	-	-	-	-
	Index	0.5646	0.5570	0.5722	-	-	-	-	-	-
3-char. ATC	Index Sex Age	0.6258	0.6190	0.6327	-	-	-	-	-	-
	Sex Age	0.6044	0.5977	0.6112	-	-	-	-	-	-
	Index	0.5723	0.5648	0.5797	-	-	-	-	-	-
4-char. ATC	Index Sex Age	0.6279	0.6211	0.6347	-	-	-	-	-	-
	Sex Age	0.6044	0.5977	0.6112	-	-	-	-	-	-
	Index	0.5759	0.5685	0.5833	-	-	-	-	-	-
5-char. ATC	Index Sex Age	0.6280	0.6212	0.6348	-	-	-	-	-	-
	Sex Age	0.6044	0.5977	0.6112	-	-	-	-	-	-
	Index	0.5765	0.5692	0.5839	-	-	-	-	-	-
7-char. ATC	Index Sex Age	0.6283	0.6215	0.6351	-	-	-	-	-	-
	Sex Age	0.6044	0.5977	0.6112	-	-	-	-	-	-
	Index	0.5765	0.5691	0.5838	-	-	-	-	-	-

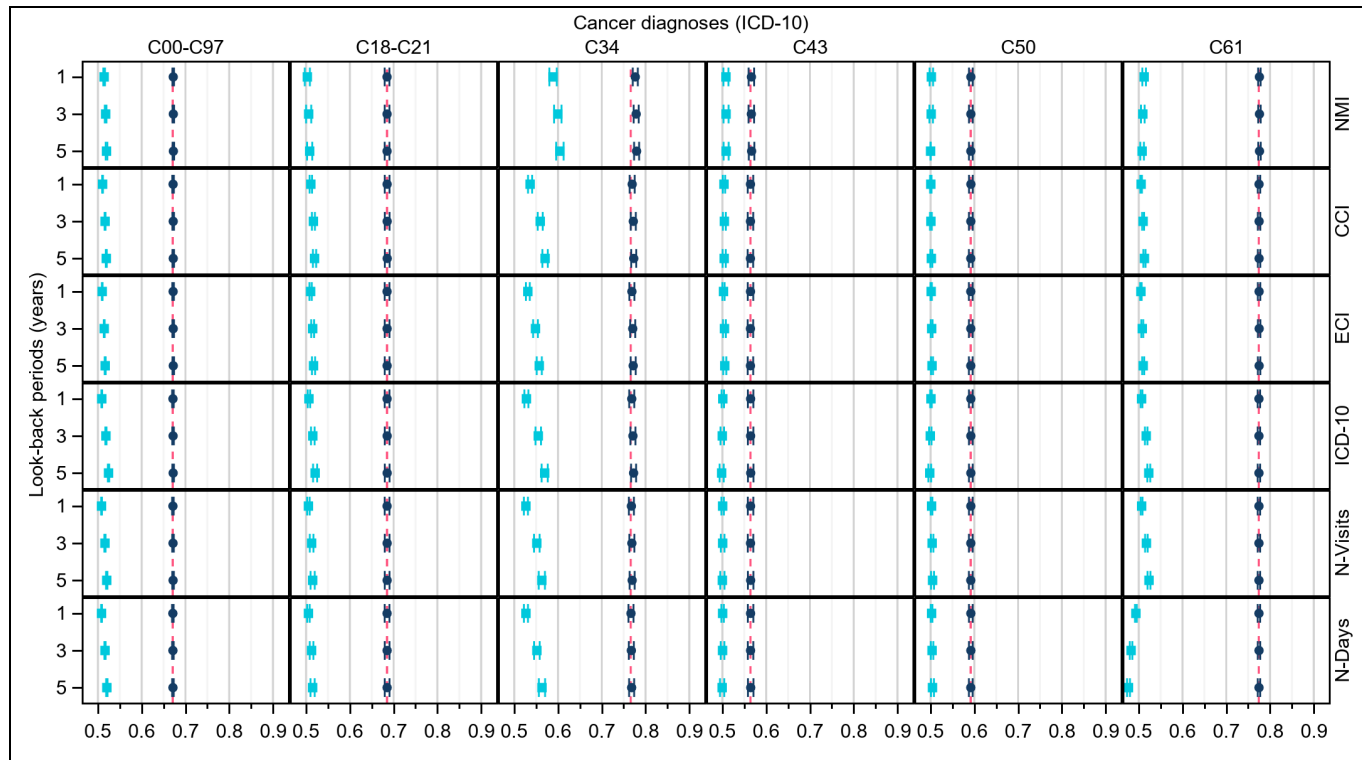
Figure 3.

In the two panels below, the Area under the Receiver Operating Curve (AUROC) characteristics with 95% confidence intervals for 5-year follow-up in the general population, age 40-64 years free from cancer at baseline are shown: From left to right, for all malignancies (ICD-10: C00-C97), Colorectal (C18-C21), Lung (C34), Melanoma (C43), Breast (C50) and Prostate (C61) with a 1-, 3- and 5-year look-back period for diagnoses, from top to bottom, for the Nordic Multimorbidity Index (NMI), the Charlson Comorbidity Index (CCI), the Elixhauser Comorbidity Index (ECI), numbers of distinct 3-character ICD-10 codes of main diagnoses, numbers of hospitalizations (visits), numbers of days hospitalized for in-patient care in the upper panel. Corresponding, with a 1-year look-back period for numbers of distinct 1-, 3-, 4-, 5- and 7-character ATC-codes on filled prescriptions are presented in the lower panel.

Models were based on (a) age-and-sex alone (The red line in each panel represents AUROC for age-and-sex), (b) index or measure alone (light blue symbols), and (c) age-and-sex *and* index, i.e. full model (dark blue symbols).

The 95%-Confidence intervals are, as seen very narrow, for details se the appendix tables 1-18.

Figure 3, upper panel



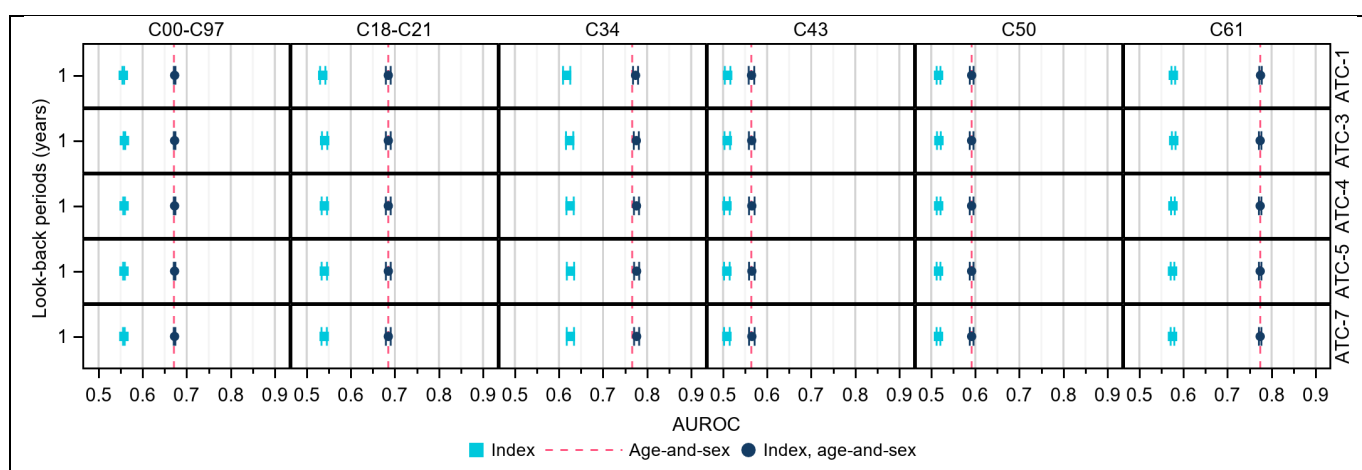


Figure 3, lower panel