

Supplementary file 1. Risk Analysis POP.1

Risk Analysis

EDxIHC vs. SEX

Confusion Matrix Computed

Confusion Matrix (Fisher's Exact Test for Count Data) - **p-value = 6.55e-84**

	EDxIHC +	EDxIHC -	Total	Inc risk *	Odds
SEX+	16355	15046	31401	52.1	1.09
SEX-	20869	14163	35032	59.6	1.47
Total	37224	29209	66433	56.0	1.27

Risk-Analysis Results

X2 test statistic - **p-value: 0**

dati	Estimate	95%CI +	95%CI -
Risk Ratio	0.874	0.862	0.886
Odds Ratio	0.738	0.715	0.761
Attr.Risk	-7.49	-8.24	-6.73
Pop.Attr.Risk	-3.54	-4.18	-2.9
Attr.Fract.Risk	-0.144	-0.159	-0.128
Pop.Attr.Fract.Risk	-0.063	-0.07	-0.057



EDxIHC vs. ASS_FAM

ASS_FAM = Presence of a non-family caregiver

Confusion Matrix Computed

Confusion Matrix (Fisher's Exact Test for Count Data) - **p-value = 5.44e-06**

	EDxIHC +	EDxIHC -	Total	Inc risk *	Odds
ASS_FAM+	2720	1871	4591	59.2	1.45
ASS_FAM-	34504	27338	61842	55.8	1.26
Total	37224	29209	66433	56.0	1.27

Risk-Analysis Results

X2 test statistic - **p-value: 0**

dati	Estimate	95%CI +	95%CI -
Risk Ratio	1.06	1.04	1.09
Odds Ratio	1.15	1.08	1.22

dati	Estimate	95%CI +	95%CI -
Attr.Risk	3.45	1.98	4.93
Pop.Attr.Risk	0.239	-0.305	0.782
Attr.Fract.Risk	0.058	0.034	0.082
Pop.Attr.Fract.Risk	0.004	0.002	0.006



Risk Analysis

AGE vs. EDxIHC

Show/Hide Details

VAL-GROUP Confusion Matrix

Fisher's Exact Test for Count Data, **p: 9.76e-20**
RR:0.784565916398714

	EDxIHC 1	EDxIHC 0	IR%
Age 19-65	6840	7187	0.488
Ref. <=18	769	467	0.622

Fisher's Exact Test for Count Data, p: 4.75e-24
RR:0.763665594855305

	EDxIHC 1	EDxIHC 0	IR%
Age 66-80	10805	11952	0.475
Ref. <=18	769	467	0.622

Fisher's Exact Test for Count Data, p: 3.97e-50
RR:0.65112540192926

	EDxIHC 1	EDxIHC 0	IR%
Age 81-90	8778	12878	0.405
Ref. <=18	769	467	0.622

Fisher's Exact Test for Count Data, p: 3.70e-98
RR:0.487138263665595

	EDxIHC 1	EDxIHC 0	IR%
Age 91-100	1979	4552	0.303
Ref. <=18	769	467	0.622

Fisher's Exact Test for Count Data, p: 7.83e-38
RR:0.270096463022508

	EDxIHC 1	EDxIHC 0	IR%
Age >100	38	188	0.168
Ref. <=18	769	467	0.622

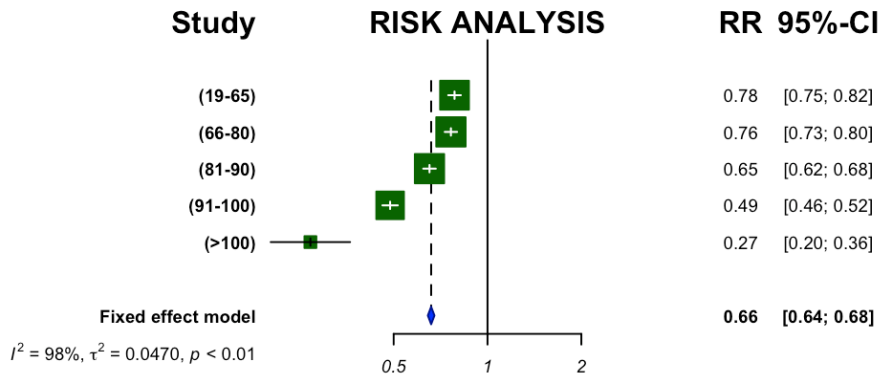
MULTI_GROUP Confusion Matrix

	EDxIHC +	EDxIHC -	Total	Inc risk*	Odds
Age +	28440	36757	65197	43.6	0.774
Age -	3845	2335	6180	62.2	1.647
Total	32285	39092	71377	45.2	0.826

Risk-Analysis Results

X2 test statistic - p-value: 0

dati	est	lower	upper
Risk Ratio	0.659	0.643	0.676
Odds Ratio	0.422	0.398	0.448
Attr.Risk	-21.2	-27	-15.3
Pop.Attr.Risk	-17	-18.2	-15.7
Attr.Fract.Risk	-0.426	-0.457	-0.396
Pop.Attr.Fract.Risk	-0.376	-0.391	-0.359



FAMILY MEMBERS vs. EDxIHC

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VAL-GROUP Confusion Matrix

Fisher's Exact Test for Count Data, **p: 7.58e-16**
RR:1.0983606557377

	EDxIHC 1	EDxIHC 0	IR%
Family members 1_pers_	5182	5867	0.469

	EDxIHC 1	EDxIHC 0	IR%
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Ref. 0 pers.	21361	28679	0.427
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Fisher's Exact Test for Count Data, **p: 2.20e-10**
RR:1.1288056206089

	EDxIHC 1	EDxIHC 0	IR%
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Family members 2_pers_	1695	1822	0.482
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Ref. 0 pers.	21361	28679	0.427
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Fisher's Exact Test for Count Data, **p: 1.97e-10**
RR:1.21545667447307

	EDxIHC 1	EDxIHC 0	IR%
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Family members 3_pers_	634	588	0.519
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Ref. 0 pers.	21361	28679	0.427
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Fisher's Exact Test for Count Data, **p: 2.78e-05**
RR:1.26463700234192

	EDxIHC 1	EDxIHC 0	IR%
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Family members 4_pers_	189	161	0.54
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	EDxIHC 1	EDxIHC 0	IR%
Ref. 0 pers.	21361	28679	0.427

Fisher's Exact Test for Count Data, **p: 1.18e-06**
RR:1.35831381733021

	EDxIHC 1	EDxIHC 0	IR%
Family members 4+pers	148	107	0.58
Ref. 0 pers.	21361	28679	0.427

MULTI_GROUP Confusion Matrix

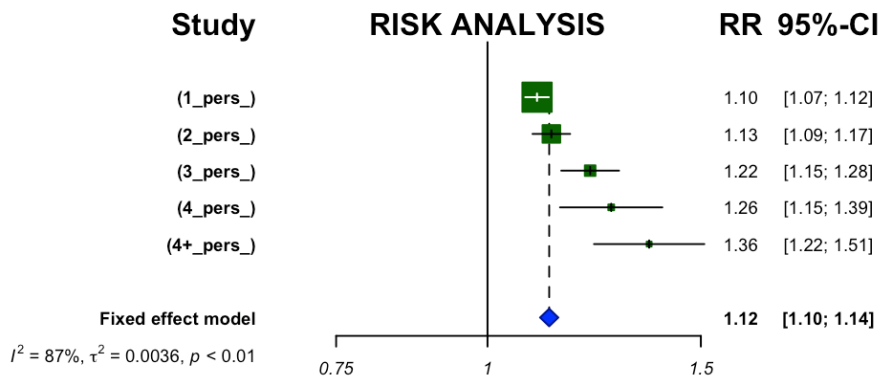
	EDxIHC +	EDxIHC -	Total	Inc risk *	Odds
Family members +	7848	8545	16393	47.9	0.918
Family members -	106805	143395	250200	42.7	0.745
Total	114653	151940	266593	43.0	0.755

Risk-Analysis Results

X2 test statistic - **p-value: 0**

dati	est	lower	upper
Risk Ratio	1.12	1.1	1.14
Odds Ratio	1.24	1.2	1.28

dati	est	lower	upper
Attr.Risk	5.31	1.71	8.9
Pop.Attr.Risk	0.319	0.049	0.589
Attr.Fract.Risk	0.108	0.093	0.123
Pop.Attr.Fract.Risk	0.007	0.007	0.008



PAT_PREV vs. EDxIHC

PAT_PREV = Prevalent disorder at IHC enrolment

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VAL-GROUP Confusion Matrix

Fisher's Exact Test for Count Data, **p: 4.90e-04**
RR:0.954635108481262

	EDxIHC 1	EDxIHC 0	IR%
PAT_PREV Altro	4190	4475	0.484
Ref. Neoplasm	8595	8371	0.507

Fisher's Exact Test for Count Data, **p: 7.05e-18**
RR:0.891518737672584

	EDxIHC 1	EDxIHC D 0	IR%
PAT_PREV Circulatory	4483	5431	0.452
Ref. Neoplasm	8595	8371	0.507

Fisher's Exact Test for Count Data, **p: 2.07e-26**
RR:0.812623274161736

	EDxIHC 1	EDxIHC 0	IR%
PAT_PREV Endocrine	1610	2294	0.412
Ref. Neoplasm	8595	8371	0.507

Fisher's Exact Test for Count Data, **p: 1.66e-69**
RR:0.654832347140039

	EDxIHC 1	EDxIHC 0	IR%
PAT_PREV Mental	965	1945	0.332
Ref. Neoplasm	8595	8371	0.507

Fisher's Exact Test for Count Data, **p: 7.17e-10**
RR:0.871794871794872

	EDxIHC 1	EDxIHC 0	IR%
PAT_PREV Missing	1174	1481	0.442
Ref. Neoplasm	8595	8371	0.507

Fisher's Exact Test for Count Data, **p: 7.70e-51**
RR:0.678500986193294

	EDxIHC 1	EDxIHC 0	IR%
PAT_PREV MuscoloSkeletal	819	1563	0.344
Ref. Neoplasm	8595	8371	0.507

Fisher's Exact Test for Count Data, **p: 4.18e-21**
RR:0.867850098619329

	EDxIHC 1	EDxIHC 0	IR%
PAT_PREV Nervous	3160	4017	0.44

	EDxIHC 1	EDxIHC 0	IR%
Ref. Neoplasm	8595	8371	0.507

Fisher's Exact Test for Count Data, **p: 2.86e-47**
RR:0.727810650887574

	EDxIHC 1	EDxIHC 0	IR%
PAT_PREV Respiratory	1191	2039	0.369
Ref. Neoplasm	8595	8371	0.507

Fisher's Exact Test for Count Data, **p: 1.49e-28**
RR:0.788954635108481

	EDxIHC 1	EDxIHC 0	IR%
PAT_PREV Skin	1270	1907	0.4
Ref. Neoplasm	8595	8371	0.507

Fisher's Exact Test for Count Data, **p: 1.34e-128**
RR:0.633136094674556

	EDxIHC 1	EDxIHC 0	IR%
PAT_PREV Trauma	1752	3701	0.321
Ref. Neoplasm	8595	8371	0.507

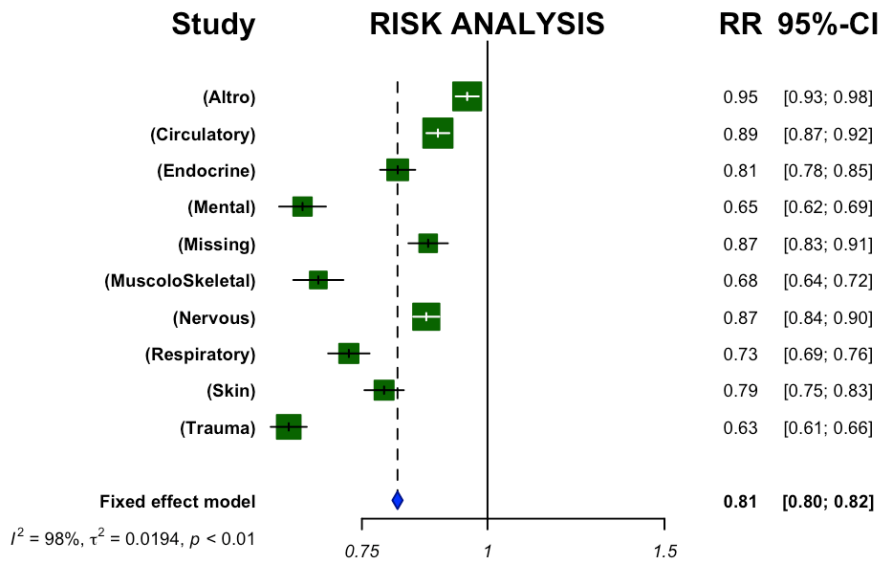
MULTI_GROUP Confusion Matrix

	EDxIHC +	EDxIHC -	Total	Inc risk*	Odds
PAT_PREV+	20614	28853	49467	41.7	0.714
PAT_PREV-	85950	83710	169660	50.7	1.027
Total	106564	112563	219127	48.6	0.947

Risk-Analysis Results

X2 test statistic - p-value: 0

dati	est	lower	upper
Risk Ratio	0.814	0.804	0.823
Odds Ratio	0.683	0.669	0.697
Attr.Risk	-9.44	-10.2	-8.65
Pop.Attr.Risk	-2.03	-2.35	-1.71
Attr.Fract.Risk	-0.216	-0.23	-0.202
Pop.Attr.Fract.Risk	-0.042	-0.042	-0.041



DURATION OF IHC EVENT vs. EDxIHC

GA= Days

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VAL-GROUP Confusion Matrix

Fisher's Exact Test for Count Data, **p: 0.00e+00**
RR:1.72435897435897

EDxIHC 1 EDxIHC 0 IR%

GA_101-200	6078	5228	0.538
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Ref. GA.<100	11929	26286	0.312
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Fisher's Exact Test for Count Data, **p: 0.00e+00**
RR:2.06410256410256

EDxIHC 1 EDxIHC 0 IR%

GA_201-300	3538	1960	0.644
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Ref. GA.<100	11929	26286	0.312
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Fisher's Exact Test for Count Data, **p: 0.00e+00**
RR:2.0224358974359

EDxIHC 1 EDxIHC 0 IR%

GA_301-400	5256	3072	0.631
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Ref. GA.<100	11929	26286	0.312
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Fisher's Exact Test for Count Data, **p: 0.00e+00**
RR:2.5

EDxIHC 1 EDxIHC 0 IR%

GA_>400	2408	678	0.78
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Ref. GA.<100	11929	26286	0.312
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MULTI_GROUP Confusion Matrix

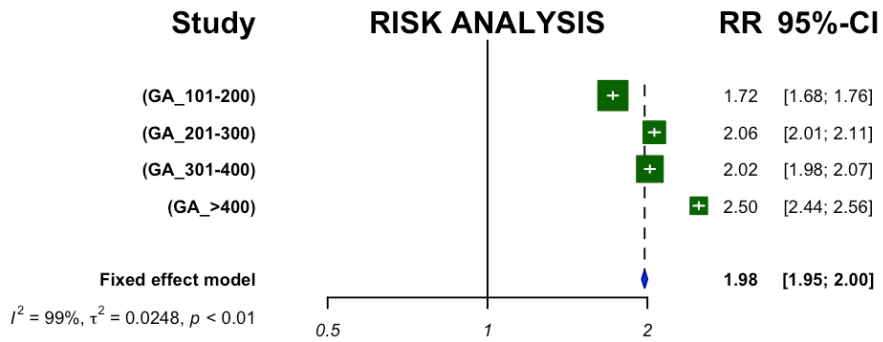
	EDxIHC +	EDxIHC -	Total	Inc risk *	Odds
GA+	17280	10938	28218	61.2	1.580

	EDxIHC +	EDxIHC -	Total	Inc risk *	Odds
GA-	47716	105144	152860	31.2	0.454
Total	64996	116082	181078	35.9	0.560

Risk-Analysis Results

X2 test statistic - **p-value: 0**

dati	est	lower	upper
Risk Ratio	1.98	1.95	2
Odds Ratio	3.55	3.45	3.64
Attr.Risk	30.5	28.6	32.4
Pop.Attr.Risk	4.68	4.36	5
Attr.Fract.Risk	0.49	0.484	0.496
Pop.Attr.Fract.Risk	0.13	0.129	0.131



PROPONENT of referral to IHC vs. EDxIHC

PROP_PA_02+06+08+09=Residential facilities/other settings

PROP_PA.01= General practitioner

PROP_PA_03-04-05-07= Hospital

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VAL-GROUP Confusion Matrix

Fisher's Exact Test for Count Data, **p: 5.97e-06**
RR:1.05827505827506

	EDxIHC 1	EDxIHC 0	IR%
PROP_ PA_02+06+08+09	4686	5637	0.454
Ref. PA.01	19749	26241	0.429

Fisher's Exact Test for Count Data, **p: 9.18e-15**
RR:1.1002331002331

	EDxIHC 1	EDxIHC 0	IR%
PROP PA_03-04-05- 07	4774	5346	0.472
Ref. PA.01	19749	26241	0.429

MULTI_GROUP Confusion Matrix

	EDxIHC +	EDxIHC -	Total	Inc risk *	Odds
PROP+	9460	10983	20443	46.3	0.861
PROP-	39498	52482	91980	42.9	0.753
Total	48958	63465	112423	43.5	0.771

Risk-Analysis Results

X2 test statistic - **p-value: 0**

dati	est	lower	upper
Risk Ratio	1.08	1.06	1.1
Odds Ratio	1.15	1.11	1.18
Attr.Risk	3.33	1.83	4.84
Pop.Attr.Risk	0.606	0.174	1.04
Attr.Fract.Risk	0.072	0.056	0.087
Pop.Attr.Fract.Risk	0.014	0.013	0.015

