

Supplementary material

Tables A: Characteristics of women in recommended age groups for gynaecological screening programmes in Midi Pyrénées

Characteristics of women between 50 and 74 y.o. (recommended age group for mammography)			
N= 365 947			
	Toulouse Metropolis	Other large urban area	Other area
	n= 72919 (19.93%)	n= 150755 (41.2%)	n= 142273 (38.88%)
	n (%)	n (%)	n (%)
Mammography			
No Mammographv ≥ 1 in the year	49978 (68.54) 22941 (31.46)	102663 (68.1) 48092 (31.9)	100713 (70.79) 41560 (29.21)
Age			
Mean (SD)	60.7 (6.8)	60.9 (6.9)	61.6 (6.9)
Age (/5years)			
50-55 y.o	19112 (26.21)	37568 (24.92)	31561 (22.18)
55-60 y.o	17097 (23.45)	34985 (23.21)	31044 (21.82)
60-65 y.o	15774 (21.63)	33460 (22.19)	31975 (22.47)
65-70 y.o,	12305 (16.87)	25825 (17.13)	26664 (18.74)
70-75 y.o	8631 (11.84)	18917 (12.55)	21029 (14.78)
EDI (deciles: 1=best)			
1	7886 (10.81)	20596 (13.66)	2719 (1.91)
2	8615 (11.81)	20315 (13.48)	5896 (4.14)
3	4436 (6.08)	15563 (10.32)	10112 (7.11)
4	3484 (4.78)	14848 (9.85)	13232 (9.3)
5	8183 (11.22)	11820 (7.84)	12730 (8.95)
6	3368 (4.62)	16244 (10.78)	19906 (13.99)
7	6678 (9.16)	12055 (8)	20092 (14.12)
8	6367 (8.73)	10760 (7.14)	20741 (14.58)
9	9519 (13.05)	12192 (8.09)	20679 (14.53)
10	14383 (19.72)	16362 (10.85)	16166 (11.36)
CMU-C			
No CMU-C	68850 (94.42)	145641 (96.61)	137381 (96.56)
CMU-C	4069 (5.58)	5114 (3.39)	4892 (3.44)
GP PLA (deciles: 10= best)			
1	363 (0.5)	1744 (1.16)	9320 (6.55)
2	922 (1.26)	4887 (3.24)	7958 (5.59)
3	0 (0)	6290 (4.17)	8165 (5.74)
4	803 (1.1)	9625 (6.38)	10154 (7.14)
5	1409 (1.93)	14229 (9.44)	10767 (7.57)
6	2695 (3.7)	17381 (11.53)	12186 (8.57)
7	9531 (13.07)	25353 (16.82)	15979 (11.23)
8	14772 (20.26)	25147 (16.68)	22412 (15.75)
9	15456 (21.2)	27726 (18.39)	20949 (14.72)
10	26968 (36.98)	18373 (12.19)	24383 (17.14)
Referring physician			
No designated referring physician	4898 (6.72)	7428 (4.93)	7706 (5.42)
Official referring physician	68021 (93.28)	143327 (95.07)	134567 (94.58)

Characteristics of women between 25 and 65 y.o. (recommended age group for pap smear)

N= 711 803

	Toulouse	Metropolis	Other large urban areas	Other areas
	n= 180030 (25.59%)	n= 302563 (42.61%)	n= 229210 (32.2%)	
	n (%)	n (%)	n (%)	
Pap smear				
No Pap smear	123038 (68.34)	211072 (69.76)	172621 (75.31)	
≥ 1 in the year	56992 (31.66)	91491 (30.24)	56589 (24.69)	
Age				
Mean (SD)	42.9 (11.8)	45.5 (11.4)	47.2 (11.4)	
Age (/5years)				
	n= 180030	n= 302563	n= 229210	
25-30 y.o	30798 (17.11)	32111 (10.61)	19504 (8.51)	
30-35 y.o	28146 (15.63)	36721 (12.14)	23382 (10.2)	
35-40 y.o	23292 (12.94)	37351 (12.34)	24557 (10.71)	
40-45 y.o	21537 (11.96)	41983 (13.88)	29444 (12.85)	
45-50 y.o	21259 (11.81)	41829 (13.82)	31203 (13.61)	
50-55 y.o	19112 (10.62)	37568 (12.42)	31561 (13.77)	
55-60 y.o	17097 (9.5)	34985 (11.56)	31044 (13.54)	
60-65 y.o	15774 (8.76)	33460 (11.06)	31975 (13.95)	
65-70 y.o,	3015 (1.67)	6555 (2.17)	6540 (2.85)	
EDI (deciles: 1=best)				
1	14747 (8.19)	42750 (14.13)	4741 (2.07)	
2	19389 (10.77)	41657 (13.77)	9906 (4.32)	
3	10922 (6.07)	32952 (10.89)	16889 (7.37)	
4	8239 (4.58)	30690 (10.14)	21643 (9.44)	
5	21020 (11.68)	23450 (7.75)	20561 (8.97)	
6	9173 (5.1)	32475 (10.73)	31816 (13.88)	
7	17062 (9.48)	23586 (7.8)	31628 (13.8)	
8	17051 (9.47)	20967 (6.93)	32394 (14.13)	
9	26337 (14.63)	22732 (7.51)	33163 (14.47)	
10	36090 (20.05)	31304 (10.35)	26469 (11.55)	
CMU-C				
No CMU-C	161075 (89.47)	281794 (93.14)	213100 (92.97)	
CMU-C	18955 (10.53)	20769 (6.86)	16110 (7.03)	
GP PLA (deciles: 10= best)				
1	831 (0.46)	3162 (1.05)	14614 (6.38)	
2	2273 (1.26)	9407 (3.11)	12705 (5.54)	
3	0 (0%)	12683 (4.19)	13438 (5.86)	
4	1815 (1.01)	18903 (6.25)	16589 (7.24)	
5	3312 (1.84)	28690 (9.48)	17813 (7.77)	
6	6666 (3.7)	36519 (12.07)	20430 (8.91)	
7	20097 (11.16)	52821 (17.46)	26031 (11.36)	
8	37194 (20.66)	51056 (16.87)	35210 (15.36)	
9	38815 (21.56)	54907 (18.15)	33531 (14.63)	
10	69027 (38.34)	34415 (11.37)	38849 (16.95)	
Referring physician				
No designated	18754 (10.42)	20659 (6.83)	18183 (7.93)	
Designated	161276 (89.58)	281904 (93.17)	211027 (92.07)	

Tables B: Screening uptake multivariable logistic regression models outside the recommended age groups (sequential adjustment)

Mammography uptake multivariable logistic regression models (n= 187255): in 40-50 y.o. women (Mammography uptake = 20.77%)			N	Model 1	LogLik	Model 2	LogLik	Model 3	LogLik	Model 4	LogLik	Model 5	LogLik
			Tot= 187255	OR (95%CI)	-94934	OR (95%CI)	-94709	OR (95%CI)	-94508	OR (95%CI)	-94463	OR (95%CI)	-92837
Combined EDI and large urban/other areas	EDI (deciles) in large urban areas	1 ¹	1284	1		1		1		1		1	
		2	2737	0.899 (0.857,0.944)		0.901 (0.859,0.946)		0.906 (0.863,0.951)		0.897 (0.855,0.942)		0.892 (0.849,0.937)	
		3	4550	0.845 (0.801,0.892)		0.847 (0.803,0.894)		0.855 (0.811,0.902)		0.843 (0.798,0.89)		0.839 (0.794,0.886)	
		4	5726	0.836 (0.791,0.884)		0.84 (0.794,0.888)		0.851 (0.805,0.9)		0.84 (0.794,0.888)		0.837 (0.791,0.885)	
		5	5472	0.745 (0.705,0.788)		0.748 (0.708,0.791)		0.761 (0.72,0.805)		0.751 (0.71,0.795)		0.753 (0.711,0.797)	
		6	8525	0.722 (0.682,0.764)		0.722 (0.682,0.765)		0.737 (0.696,0.78)		0.722 (0.682,0.766)		0.722 (0.681,0.766)	
		7	8283	0.688 (0.649,0.73)		0.69 (0.65,0.731)		0.705 (0.665,0.748)		0.699 (0.658,0.742)		0.71 (0.668,0.754)	
		8	8564	0.706 (0.665,0.75)		0.709 (0.668,0.753)		0.732 (0.689,0.777)		0.731 (0.687,0.778)		0.737 (0.693,0.784)	
		9	8629	0.639 (0.603,0.677)		0.64 (0.604,0.678)		0.67 (0.632,0.71)		0.665 (0.625,0.707)		0.678 (0.638,0.721)	
		10	6877	0.557 (0.528,0.587)		0.557 (0.528,0.587)		0.61 (0.578,0.644)		0.61 (0.575,0.647)		0.633 (0.596,0.671)	
	EDI (deciles) in other areas	1	16751	0.57 (0.492,0.66)		0.569 (0.491,0.66)		0.572 (0.494,0.663)		0.599 (0.516,0.694)		0.598 (0.515,0.694)	
		2	17342	0.616 (0.557,0.682)		0.615 (0.555,0.681)		0.619 (0.559,0.686)		0.634 (0.572,0.702)		0.635 (0.573,0.704)	
		3	12299	0.593 (0.546,0.644)		0.592 (0.545,0.643)		0.597 (0.549,0.648)		0.62 (0.571,0.674)		0.623 (0.573,0.678)	
		4	10802	0.596 (0.553,0.642)		0.595 (0.552,0.641)		0.602 (0.558,0.649)		0.613 (0.568,0.661)		0.614 (0.569,0.663)	
		5	11523	0.57 (0.528,0.616)		0.568 (0.526,0.614)		0.574 (0.531,0.62)		0.587 (0.543,0.635)		0.593 (0.548,0.641)	
		6	10898	0.613 (0.575,0.654)		0.612 (0.574,0.652)		0.621 (0.582,0.662)		0.624 (0.585,0.666)		0.633 (0.593,0.676)	
		7	10252	0.577 (0.54,0.616)		0.574 (0.538,0.613)		0.587 (0.55,0.627)		0.592 (0.554,0.633)		0.597 (0.558,0.638)	
		8	9432	0.53 (0.496,0.566)		0.528 (0.494,0.564)		0.543 (0.508,0.581)		0.55 (0.514,0.588)		0.555 (0.519,0.594)	
		9	11333	0.491 (0.459,0.525)		0.49 (0.458,0.524)		0.507 (0.474,0.543)		0.505 (0.471,0.541)		0.511 (0.477,0.548)	
		10	15976	0.452 (0.419,0.487)		0.45 (0.418,0.485)		0.476 (0.442,0.513)		0.479 (0.443,0.517)		0.486 (0.449,0.525)	
Age	40-45 y.o. ¹	92964		1		1		1		1		1	
	45-50 y.o.	94291		1.275 (1.247; 1.305)		1.27 (1.242; 1.299)		1.271 (1.242; 1.3)		1.258 (1.229; 1.286)			
CMU-C	No ¹	172456				1		1		1		1	
	Yes	14799				0.614 (0.584; 0.645)		0.613 (0.583; 0.645)		0.597 (0.567; 0.627)			
GP PLA (deciles)	1 ¹	4959						1		1		1	
	2	6486						1.091 (0.99; 1.204)		1.078 (0.978; 1.19)			
	3	7123						1.064 (0.967; 1.172)		1.067 (0.969; 1.175)			
	4	10062						1.057 (0.966; 1.157)		1.044 (0.954; 1.144)			
	5	14074						1.159 (1.063; 1.264)		1.145 (1.05; 1.249)			
	6	17792						1.173 (1.078; 1.276)		1.158 (1.064; 1.261)			
	7	27034						1.217 (1.122; 1.321)		1.201 (1.107; 1.305)			
	8	33101						1.262 (1.165; 1.369)		1.247 (1.151; 1.354)			
	9	32681						1.193 (1.1; 1.295)		1.185 (1.092; 1.287)			
	10	33943						1.14 (1.05; 1.239)		1.161 (1.069; 1.262)			
Referring physician	No ¹	13378								1			
	Yes	173877								6.849 (6.275; 7.493)			

¹ Reference category

Mammography uptake multivariable logistic regression models (n= 154895): in > 74 y.o. women (Mammography uptake = 5.65%)													
			N	Model 1	LogLik	Model 2	LogLik	Model 3	LogLik	Model 4	LogLik	Model 5	LogLik
			Tot= 154895	OR (95%CI)	-33537	OR (95%CI)	-30948	OR (95%CI)	-30936	OR (95%CI)	-30890	OR (95%CI)	-30674
Combined EDI and large urban/other areas	EDI (deciles) in large urban areas	1 ²	939	1		1		1		1		1	
		2	2115	1.022 (0.904,1.154)		1.026 (0.906,1.162)		0.983 (0.95,1.018)		0.998 (0.88,1.131)		0.994 (0.877,1.127)	
		3	3983	0.968 (0.849,1.104)		1.009 (0.883,1.154)		0.971 (0.934,1.009)		0.978 (0.855,1.119)		0.973 (0.85,1.114)	
		4	6092	0.921 (0.803,1.055)		0.921 (0.802,1.058)		0.939 (0.902,0.976)		0.883 (0.769,1.015)		0.88 (0.765,1.011)	
		5	5757	0.893 (0.784,1.017)		0.956 (0.838,1.092)		0.897 (0.863,0.933)		0.898 (0.785,1.027)		0.892 (0.779,1.02)	
		6	9950	0.891 (0.784,1.013)		0.945 (0.829,1.077)		0.936 (0.901,0.973)		0.878 (0.769,1.002)		0.873 (0.765,0.997)	
		7	10334	0.896 (0.789,1.019)		0.973 (0.854,1.108)		0.858 (0.825,0.892)		0.88 (0.77,1.006)		0.879 (0.769,1.005)	
		8	10647	0.99 (0.873,1.123)		1.088 (0.957,1.238)		0.885 (0.85,0.922)		0.987 (0.865,1.127)		0.982 (0.86,1.121)	
		9	10974	0.926 (0.821,1.044)		1.029 (0.911,1.163)		0.855 (0.823,0.888)		0.89 (0.782,1.012)		0.886 (0.779,1.008)	
		10	9307	0.899 (0.802,1.007)		0.977 (0.87,1.097)		0.763 (0.737,0.79)		0.837 (0.74,0.948)		0.835 (0.738,0.946)	
	EDI (deciles) in other	1	7482	0.77 (0.572,1.039)		0.765 (0.565,1.035)		0.784 (0.719,0.855)		0.793 (0.584,1.075)		0.786 (0.579,1.066)	
		2	8759	0.78 (0.633,0.962)		0.767 (0.62,0.948)		0.845 (0.795,0.897)		0.791 (0.64,0.979)		0.782 (0.632,0.968)	
		3	6862	0.701 (0.592,0.831)		0.708 (0.596,0.841)		0.817 (0.778,0.858)		0.742 (0.623,0.882)		0.733 (0.616,0.872)	
		4	6193	0.645 (0.555,0.75)		0.671 (0.576,0.782)		0.833 (0.797,0.871)		0.662 (0.568,0.772)		0.659 (0.565,0.769)	
		5	7566	0.539 (0.458,0.634)		0.552 (0.468,0.65)		0.78 (0.746,0.817)		0.55 (0.466,0.649)		0.547 (0.463,0.646)	
		6	8023	0.696 (0.612,0.791)		0.726 (0.637,0.827)		0.838 (0.805,0.871)		0.692 (0.607,0.79)		0.686 (0.601,0.783)	
		7	8076	0.65 (0.571,0.739)		0.696 (0.61,0.794)		0.824 (0.792,0.857)		0.657 (0.575,0.751)		0.65 (0.569,0.743)	
		8	7774	0.728 (0.642,0.825)		0.774 (0.681,0.878)		0.833 (0.802,0.866)		0.727 (0.638,0.828)		0.717 (0.629,0.816)	
		9	10269	0.706 (0.623,0.8)		0.776 (0.683,0.881)		0.762 (0.733,0.792)		0.728 (0.64,0.829)		0.72 (0.632,0.82)	
		10	13793	0.693 (0.608,0.79)		0.757 (0.663,0.864)		0.718 (0.688,0.75)		0.675 (0.588,0.775)		0.666 (0.58,0.765)	
Age	75-80 y.o. ²	50815		1		1		1		1		1	
	80-85 y.o.	48148		0.387 (0.368; 0.407)		0.387 (0.368; 0.407)		0.386 (0.367; 0.406)		0.385 (0.366; 0.405)		0.385 (0.366; 0.405)	
	85-90 y.o.	34698		0.152 (0.14; 0.165)		0.152 (0.14; 0.165)		0.151 (0.139; 0.164)		0.151 (0.139; 0.164)		0.151 (0.139; 0.164)	
	90-95 y.o.	16602		0.067 (0.057; 0.079)		0.067 (0.057; 0.079)		0.067 (0.057; 0.079)		0.067 (0.056; 0.079)		0.067 (0.056; 0.079)	
	95-100 y.o.	4632		0.024 (0.013; 0.038)		0.024 (0.013; 0.038)		0.024 (0.013; 0.038)		0.023 (0.013; 0.038)		0.025 (0.014; 0.04)	
CMU-C	No ²	153807				1		1		1		1	
	Yes	1088				0.443 (0.298; 0.63)		0.443 (0.298; 0.63)		0.439 (0.295; 0.625)		0.439 (0.295; 0.625)	
GP PLA (deciles)	1 ²	4675						1		1		1	
	2	5726						1.14 (0.94; 1.386)		1.138 (0.938; 1.383)		1.138 (0.938; 1.383)	
	3	5537						1.037 (0.851; 1.265)		1.035 (0.85; 1.263)		1.035 (0.85; 1.263)	
	4	7717						1.091 (0.909; 1.314)		1.085 (0.904; 1.306)		1.085 (0.904; 1.306)	
	5	9569						1.171 (0.983; 1.399)		1.17 (0.983; 1.399)		1.17 (0.983; 1.399)	
	6	11747						1.25 (1.056; 1.486)		1.25 (1.055; 1.486)		1.25 (1.055; 1.486)	
	7	18800						1.316 (1.12; 1.554)		1.312 (1.117; 1.549)		1.312 (1.117; 1.549)	
	8	25658						1.441 (1.231; 1.694)		1.44 (1.231; 1.695)		1.44 (1.231; 1.695)	
	9	30207						1.398 (1.195; 1.644)		1.403 (1.199; 1.65)		1.403 (1.199; 1.65)	
	10	35259						1.546 (1.322; 1.818)		1.555 (1.329; 1.829)		1.555 (1.329; 1.829)	
Referring physician	No ²	5992										1	
	Yes	148903										8.938 (6.66; 12.37)	

² Reference category

Pap smear uptake multivariable logistic regression models (n= 63068) in 20-25 y.o. women (Pap smear uptake = 20.58 %)													
		N	Model 1	LogLik	Model 2	LogLik	Model 3	LogLik	Model 4	LogLik	Model 5	LogLik	
		Tot= 63068	OR (95%CI)	-31988	OR (95%CI)	-31676	OR (95%CI)	-31675	OR (95%CI)	-31670	OR (95%CI)	-30989	
Combined EDI and large urban/other	EDI (deciles) in large urban areas	1 ³	272	1	1	1	1	1	1	1	1	1	
	2	600	0.958 (0.864; 1.062)		0.951 (0.858; 1.056)		0.952 (0.859; 1.057)		0.956 (0.861; 1.062)		0.941 (0.846; 1.046)		
	3	1047	0.992 (0.888; 1.108)		0.985 (0.881; 1.101)		0.987 (0.882; 1.103)		0.987 (0.882; 1.105)		0.975 (0.87; 1.093)		
	4	1451	1.024 (0.914; 1.146)		1.021 (0.911; 1.143)		1.022 (0.913; 1.145)		1.029 (0.918; 1.154)		1.021 (0.91; 1.146)		
	5	1412	0.915 (0.823; 1.017)		0.905 (0.813; 1.007)		0.907 (0.815; 1.009)		0.922 (0.827; 1.028)		0.921 (0.825; 1.028)		
	6	2197	0.896 (0.803; 0.999)		0.889 (0.797; 0.992)		0.892 (0.799; 0.995)		0.903 (0.808; 1.009)		0.895 (0.8; 1.002)		
	7	2336	0.92 (0.828; 1.023)		0.901 (0.81; 1.002)		0.903 (0.812; 1.005)		0.923 (0.827; 1.03)		0.94 (0.841; 1.05)		
	8	2376	0.917 (0.824; 1.02)		0.895 (0.804; 0.997)		0.898 (0.806; 1)		0.925 (0.828; 1.033)		0.938 (0.838; 1.049)		
	9	2575	0.824 (0.746; 0.909)		0.801 (0.726; 0.885)		0.804 (0.728; 0.889)		0.834 (0.751; 0.927)		0.858 (0.771; 0.954)		
	10	2484	0.735 (0.67; 0.808)		0.733 (0.667; 0.805)		0.739 (0.672; 0.812)		0.772 (0.697; 0.856)		0.802 (0.722; 0.89)		
	EDI (deciles) in other areas	1	3700	0.696 (0.498; 0.953)		0.701 (0.501; 0.961)		0.701 (0.501; 0.962)		0.701 (0.5; 0.962)		0.729 (0.519; 1.005)	
		2	4599	0.895 (0.723; 1.101)		0.903 (0.729; 1.112)		0.903 (0.729; 1.113)		0.904 (0.729; 1.114)		0.902 (0.726; 1.114)	
		3	3387	0.938 (0.794; 1.105)		0.956 (0.809; 1.127)		0.957 (0.809; 1.128)		0.964 (0.814; 1.138)		0.963 (0.812; 1.139)	
		4	3098	0.779 (0.669; 0.906)		0.78 (0.669; 0.908)		0.781 (0.67; 0.909)		0.788 (0.675; 0.917)		0.784 (0.671; 0.914)	
		5	4188	0.846 (0.727; 0.983)		0.852 (0.731; 0.99)		0.853 (0.732; 0.992)		0.859 (0.736; 0.999)		0.849 (0.727; 0.989)	
		6	3814	0.839 (0.737; 0.955)		0.849 (0.745; 0.966)		0.85 (0.746; 0.967)		0.858 (0.752; 0.977)		0.849 (0.744; 0.969)	
		7	4205	0.835 (0.735; 0.948)		0.838 (0.737; 0.951)		0.84 (0.739; 0.954)		0.855 (0.751; 0.972)		0.837 (0.735; 0.954)	
		8	4074	0.77 (0.677; 0.875)		0.776 (0.682; 0.882)		0.778 (0.683; 0.885)		0.789 (0.692; 0.899)		0.78 (0.683; 0.89)	
		9	6237	0.797 (0.704; 0.902)		0.809 (0.713; 0.916)		0.812 (0.716; 0.919)		0.823 (0.725; 0.934)		0.826 (0.726; 0.939)	
		10	9016	0.655 (0.574; 0.746)		0.661 (0.579; 0.754)		0.665 (0.582; 0.758)		0.688 (0.6; 0.787)		0.701 (0.61; 0.803)	
Age	20-21y.o. ³	9827			1		1		1		1		
	21-22 y.o.	11080			1.234 (1.144; 1.33)		1.233 (1.144; 1.33)		1.234 (1.144; 1.33)		1.205 (1.117; 1.3)		
	22-23 y.o.	12631			1.516 (1.411; 1.628)		1.514 (1.41; 1.626)		1.516 (1.412; 1.628)		1.435 (1.335; 1.543)		
	23-24 y.o.	14064			1.709 (1.595; 1.832)		1.707 (1.593; 1.83)		1.711 (1.597; 1.834)		1.576 (1.47; 1.691)		
	24-25 y.o.	15466			2.102 (1.966; 2.249)		2.099 (1.963; 2.246)		2.104 (1.967; 2.25)		1.912 (1.787; 2.047)		
CMU-C	No ³	54768					1		1		1		
	Yes	8300					0.968 (0.911; 1.028)		0.969 (0.912; 1.029)		0.899 (0.845; 0.955)		
GP PLA (deciles)	1 ³	1167							1		1		
	2	1569							1.057 (0.873; 1.281)		1.033 (0.851; 1.254)		
	3	1626							1.09 (0.903; 1.318)		1.069 (0.884; 1.295)		
	4	2498							1.096 (0.92; 1.307)		1.075 (0.902; 1.285)		
	5	3594							1.07 (0.906; 1.268)		1.055 (0.891; 1.252)		
	6	4813							1.026 (0.872; 1.21)		1.018 (0.864; 1.203)		
	7	7959							1.055 (0.902; 1.238)		1.039 (0.887; 1.222)		
	8	10982							1.074 (0.92; 1.257)		1.054 (0.902; 1.236)		
	9	12533							1.021 (0.875; 1.196)		1.011 (0.865; 1.186)		
	10	16327							0.986 (0.845; 1.155)		1.004 (0.859; 1.178)		
Referring physician	No ³	13716									1		
	Yes	49352									2.859 (2.69; 3.042)		

³ Reference category

Pap smear uptake multivariable logistic regression models (n= 252156) in > 65 y.o. women (Pap smear uptake = 5.69%)													
		N	Model 1	LogLik	Model 2	LogLik	Model 3	LogLik	Model 4	LogLik	Model 5	LogLik	
		Tot= 252156	OR (95%CI)	-54676	OR (95%CI)	-48204	OR (95%CI)	-48196	OR (95%CI)	-48125	OR (95%CI)	-47675	
Combined EDI and large urban/other areas	EDI (deciles) in large urban areas	1 ⁴	1669	1	1	1	1	1	1	1	1	1	
	2	3720	0.875 (0.805,0.951)		0.904 (0.83,0.985)		0.905 (0.83,0.985)		0.874 (0.801,0.953)		0.865 (0.793,0.944)		
	3	6672	0.822 (0.75,0.901)		0.903 (0.821,0.992)		0.903 (0.821,0.992)		0.874 (0.795,0.961)		0.866 (0.787,0.953)		
	4	9800	0.786 (0.714,0.865)		0.859 (0.779,0.948)		0.86 (0.78,0.949)		0.825 (0.748,0.911)		0.817 (0.74,0.902)		
	5	9294	0.743 (0.677,0.815)		0.858 (0.78,0.944)		0.859 (0.782,0.945)		0.809 (0.735,0.891)		0.805 (0.731,0.887)		
	6	15807	0.641 (0.584,0.705)		0.738 (0.669,0.813)		0.738 (0.67,0.813)		0.687 (0.622,0.758)		0.679 (0.615,0.749)		
	7	16336	0.69 (0.628,0.757)		0.833 (0.757,0.917)		0.834 (0.757,0.918)		0.763 (0.691,0.842)		0.764 (0.692,0.843)		
	8	16801	0.796 (0.727,0.872)		0.982 (0.894,1.079)		0.984 (0.895,1.081)		0.898 (0.815,0.99)		0.895 (0.812,0.987)		
	9	17022	0.685 (0.628,0.748)		0.855 (0.781,0.936)		0.858 (0.784,0.94)		0.748 (0.68,0.823)		0.745 (0.677,0.82)		
	10	14130	0.647 (0.596,0.702)		0.789 (0.725,0.858)		0.795 (0.73,0.865)		0.68 (0.621,0.745)		0.678 (0.619,0.743)		
		EDI (deciles) in other areas	1	14042	0.641 (0.517,0.795)		0.669 (0.537,0.834)		0.668 (0.536,0.833)		0.693 (0.555,0.865)		0.687 (0.55,0.858)
		2	15838	0.571 (0.488,0.669)		0.6 (0.511,0.705)		0.6 (0.511,0.704)		0.616 (0.524,0.724)		0.607 (0.516,0.714)	
		3	11781	0.556 (0.49,0.63)		0.616 (0.542,0.7)		0.616 (0.542,0.7)		0.635 (0.558,0.723)		0.628 (0.551,0.715)	
		4	10633	0.522 (0.467,0.583)		0.61 (0.545,0.683)		0.61 (0.545,0.683)		0.603 (0.538,0.676)		0.596 (0.532,0.668)	
		5	12461	0.456 (0.405,0.513)		0.524 (0.464,0.591)		0.524 (0.464,0.591)		0.526 (0.466,0.594)		0.519 (0.459,0.586)	
		6	13160	0.5 (0.454,0.55)		0.598 (0.542,0.659)		0.598 (0.542,0.659)		0.577 (0.522,0.637)		0.569 (0.515,0.629)	
		7	12897	0.497 (0.452,0.547)		0.599 (0.544,0.66)		0.6 (0.544,0.661)		0.572 (0.518,0.631)		0.564 (0.511,0.623)	
		8	12297	0.508 (0.463,0.558)		0.612 (0.556,0.673)		0.612 (0.556,0.674)		0.579 (0.525,0.639)		0.57 (0.516,0.629)	
		9	15991	0.436 (0.396,0.481)		0.535 (0.484,0.591)		0.535 (0.485,0.591)		0.503 (0.454,0.556)		0.495 (0.447,0.548)	
		10	21805	0.461 (0.416,0.51)		0.587 (0.529,0.651)		0.589 (0.53,0.653)		0.528 (0.474,0.588)		0.519 (0.466,0.578)	
Age	65-70 y.o. ⁴	48684			1		1		1		1		
	70-75 y.o.	48577			0.583 (0.56; 0.607)		0.582 (0.559; 0.606)		0.581 (0.558; 0.605)		0.578 (0.555; 0.601)		
	75-80 y.o.	50815			0.252 (0.24; 0.266)		0.252 (0.239; 0.265)		0.251 (0.238; 0.264)		0.247 (0.234; 0.26)		
	80-85 y.o.	48148			0.094 (0.087; 0.102)		0.094 (0.087; 0.101)		0.093 (0.086; 0.101)		0.092 (0.085; 0.099)		
	85-90 y.o.	34698			0.03 (0.026; 0.035)		0.03 (0.026; 0.035)		0.03 (0.026; 0.035)		0.029 (0.025; 0.034)		
	90-95 y.o.	16602			0.013 (0.01; 0.018)		0.013 (0.01; 0.018)		0.013 (0.009; 0.018)		0.013 (0.009; 0.018)		
	95-100 y.o.	4632			0.005 (0.002; 0.012)		0.005 (0.002; 0.012)		0.005 (0.002; 0.012)		0.005 (0.002; 0.012)		
CMU-C	No ⁴	249945					1		1		1		
	Yes	2211					0.68 (0.558; 0.821)		0.676 (0.555; 0.816)		0.67 (0.55; 0.809)		
GP PLA (deciles)	1 ⁴	7805							1		1		
	2	9343							0.85 (0.731; 0.989)		0.842 (0.724; 0.98)		
	3	9254							0.885 (0.763; 1.028)		0.886 (0.763; 1.029)		
	4	12955							1.004 (0.877; 1.151)		0.995 (0.869; 1.141)		
	5	16421							1.054 (0.927; 1.202)		1.053 (0.926; 1.201)		
	6	19914							1.088 (0.96; 1.237)		1.08 (0.952; 1.227)		
	7	31912							1.147 (1.017; 1.296)		1.14 (1.011; 1.289)		
	8	42273							1.223 (1.087; 1.379)		1.214 (1.08; 1.37)		
	9	47761							1.282 (1.14; 1.446)		1.282 (1.14; 1.446)		
	10	54518							1.319 (1.173; 1.488)		1.327 (1.179; 1.497)		
Referring physician	No ⁴	10487									1		
	Yes	241669									9.629 (7.764; 12.133)		

⁴ Reference category

