

Appendix 1: Overview of grouped postal codes

Group	Postal codes
Faxe gr. 1	4640 + 4654
Faxe gr. 2	4652 + 4653
Faxe gr. 3	4683 + 4684
Guldborgsund gr. 1	4840 + 4862
Guldborgsund gr. 2	4863 + 4850 + 4871
Guldborgsund gr. 3	4872 + 4873 + 4874
Guldborgsund gr. 4	4880 + 4891 + 4892 + 4894 + 4895
Holbæk gr. 1	4340 + 4350 + 4360 + 4370 + 4390
Holbæk gr. 2	4420 + 4440 + 4450 + 4460
Holbæk gr. 3	4520 + 4532
Kalundborg gr. 1	4480+4490
Kalundborg gr. 2	4470+4593
Lejre gr. 1	4060 + 4070
Lolland gr. 1	4900 + 4912
Lolland gr. 2	4913 + 4941 + 4943 + 4944 + 4945 + 4951 + 4952 + 4953
Lolland gr. 3	4920 + 4960 + 4970 + 4983
Køge gr. 1	4140 + 4174 + 4623+4632
Køge gr. 2	4681 + 4682
Næstved gr. 1	4160 + 4171
Næstved gr. 2	4250 + 4261 + 4262
Næstved gr. 3	4700 + 4736 +4750
Odsherred gr. 1	4500 + 4581 + 4583
Odsherred gr. 2	4534 + 4591
Odsherred gr. 3	4560 + 4571 + 4572 + 4573
Roskilde gr. 1	4030 + 4621 + 4622
Slagelse gr. 1	4220 + 4241 + 4242
Slagelse gr. 2	4230 + 4243 + 4244 + 4245

Sorø gr. 1	4173 + 4180 + 4190
Sorø gr. 2	4291 + 4293 + 4295 + 4296
Stevns gr. 1	4660 + 4671 + 4672 + 4673
Vordingborg gr. 1	4720 + 4733 + 4735 + 4771 + 4772 + 4773
Vordingborg gr. 2	4780 + 4791 + 4792 + 4793

Appendix 2: Overview of median visual acuity at time of diagnosis in postal code

groups

Postal code	Visus					
	N	All ¹	N	Females ¹	N	Males ¹
Faxe gr. 1	47	59,0 (47,0, 70,0)	26	59,5 (49,0, 69,5)	21	59,0 (46,0, 71,0)
Faxe gr. 2	30	56,5 (27,8, 67,0)	21	53,0 (26,0, 67,0)	9	60,0 (45,0, 67,0)
Faxe gr. 3	50	60,0 (48,0, 68,0)	30	64,0 (48,5, 70,8)	20	56,0 (47,5, 61,3)
Greve - 2670	152	63,5 (48,0, 73,0)	83	62,0 (49,0, 72,5)	69	65,0 (48,0, 75,0)
Greve - 2690	44	61,0 (47,0, 72,0)	29	63,0 (48,0, 74,0)	15	57,0 (43,5, 66,0)
Guldborgsund - 4800	153	60,0 (47,0, 70,0)	93	60,0 (46,0, 71,0)	60	59,5 (47,8, 69,3)
Guldborgsund - 4990	47	60,0 (46,0, 69,0)	36	60,0 (46,0, 67,8)	11	58,0 (48,5, 70,5)
Guldborgsund gr. 1	51	61,0 (48,5, 70,5)	37	61,0 (49,0, 71,0)	14	61,0 (48,5, 67,0)
Guldborgsund gr. 2	35	52,0 (42,0, 72,50)	18	50,5 (44,3, 62,8)	17	58,0 (40,0, 75,0)
Guldborgsund gr. 3	53	60,0 (49,0, 72,00)	29	60,0 (47,0, 71,0)	24	60,0 (54,0, 73,0)
Guldborgsund gr. 4	39	61,0 (51,5, 75,00)	23	60,0 (47,5, 76,0)	16	63,5 (54,5, 73,5)
Holbæk – 4300	219	63,0 (50,0, 73,00)	140	63,5 (50,0, 74,0)	79	62,0 (49,5, 71,5)
Holbæk gr. 1	78	62,0 (47,0, 70,00)	49	62,0 (38,0, 73,0)	29	62,0 (53,0, 69,0)
Holbæk gr. 2	61	61,0 (48,0, 70,00)	39	64,0 (50,0, 71,5)	22	53,5 (46,3, 70,0)
Holbæk gr. 3	27	67,0 (47,0, 73,00)	14	68,0 (47,3, 75,8)	13	60,0 (47,0, 69,0)
Kalundborg - 4281	32	55,5 (37,3, 65,3)	23	55,0 (35,5, 64,5)	9	62,0 (45,0, 66,0)
Kalundborg - 4400	152	61,0 (49,8, 69,3)	105	60,0 (48,0, 70,0)	47	62,0 (52,0, 68,0)
Kalundborg gr. 1	19	65,0 (47,0, 75,0)	10	65,5 (58,0, 68,0)	9	65,0 (36,0, 78,0)
Kalundborg gr. 2	37	56,0 (46,0, 72,0)	28	55,5 (46,8, 71,3)	9	58,0 (31,0, 73,0)
Køge – 4130	25	65,0 (59,0, 72,0)	15	65,0 (62,0, 71,0)	10	62,5 (48,3, 71,3)
Køge – 4600	182	59,5 (45,0, 70,0)	125	60,0 (46,0, 70,0)	57	57,0 (39,0, 70,0)
Køge gr. 1	78	60,5 (46,0, 73,0)	53	59,0 (45,0, 73,0)	25	67,0 (47,0, 74,0)
Køge gr. 2	38	61,5 (48,0, 75,0)	26	68,5 (50,5, 75,0)	12	57,0 (47,5, 71,0)
Lejre - 4320	28	61,0 (51,5, 71,3)	16	61,0 (48,8, 65,8)	12	68,0 (56,0, 83,0)

Lejre - 4330	26	58,0 (47,3, 69,3)	15	58,0 (52,0, 70,0)	11	57,0 (34,5, 64,0)
Lejre gr. 1	60	66,5 (52,0, 73,0)	38	65,0 (52,3, 72,8)	22	67,5 (52,8, 72,8)
Lolland - 4930	50	57,5 (45,0, 70,5)	34	57,5 (45,5, 71,0)	16	59,0 (44,5, 67,3)
Lolland gr. 1	106	56,0 (43,5, 68,8)	71	56,0 (42,5, 68,5)	35	55,0 (47,5, 70,0)
Lolland gr. 2	48	56,0 (44,5, 64,3)	23	57,0 (46,5, 64,0)	25	55,0 (40,0, 65,0)
Lolland gr. 3	60	56,0 (43,8, 71,0)	31	57,0 (42,5, 78,0)	29	50,0 (44,0, 60,0)
Næstved gr. 1	34	55,5 (45,3, 65,0)	23	56,0 (46,0, 68,5)	11	47,0 (37,5, 61,0)
Næstved gr. 2	37	58,0 (47,0, 66,0)	20	56,0 (46,8, 67,5)	17	59,0 (50,0, 63,0)
Næstved gr. 3	290	56,5 (46,0, 68,0)	209	56,0 (46,0, 68,0)	81	57,0 (47,0, 67,0)
Odsherred - 4540	25	60,0 (48,0, 66,0)	14	49,5 (42,8, 62,0)	11	63,0 (55,5, 68,0)
Odsherred - 4550	41	60,0 (48,0, 71,0)	29	64,0 (48,0, 75,0)	12	58,5 (41,8, 68,5)
Odsherred gr. 1	96	58,0 (47,8, 70,5)	64	56,5 (47,0, 68,3)	32	65,5 (48,0, 70,5)
Odsherred gr. 2	28	61,5 (46,0, 75,3)	15	66,0 (46,0, 80,5)	13	56,0 (47,0, 69,0)
Odsherred gr. 3	61	59,0 (48,0, 70,0)	43	55,0 (46,5, 66,5)	18	65,0 (56,8, 75,0)
Ringsted - 4100	140	60,0 (47,0, 70,0)	89	60,0 (49,0, 70,0)	51	58,0 (45,5, 70,0)
Ringsted - 4690	73	59,0 (47,0, 69,0)	45	62,0 (45,0, 69,0)	28	58,0 (48,5, 67,3)
Roskilde - 4000	343	58,0 (46,0, 71,0)	211	59,0 (46,0, 71,0)	132	57,5 (46,8, 72,0)
Roskilde - 4040	49	67,0 (54,0, 75,0)	27	69,0 (51,5, 76,0)	22	63,5 (54,8, 74,5)
Roskilde gr. 1	60	57,0 (48,0, 72,3)	34	55,5 (47,3, 70,0)	26	59,0 (48,3, 73,0)
Slagelse - 4200	204	59,5 (47,0, 68,0)	127	61,0 (49,0, 68,0)	77	57,0 (46,0, 68,0)
Slagelse - 4270	28	60,5 (49,8, 68,0)	17	66,0 (57,0, 69,0)	11	55,0 (44,5, 60)
Slagelse gr. 1	141	63,0 (50,0, 71,0)	76	63,0 (49,8, 71,3)	65	61,0 (51,0, 71,0)
Slagelse gr. 2	79	65,0 (48,0, 74,0)	51	65,0 (49,0, 73,0)	28	60,0 (46,0, 75,3)
Solrød - 2680	79	66,0 (48,0, 75,0)	48	65,5 (48,0, 75,0)	31	68,0 (48,0, 77,0)
Sorø gr. 1	82	60,0 (44,5, 73,0)	58	60,5 (46,3, 72,8)	24	57,0 (33,0, 74,5)
Sorø gr. 2	56	56,5 (47,0, 66,3)	33	59,0 (49,0, 70,0)	23	52,0 (39,0, 62,5)
Stevns gr. 1	67	60,0 (48,0, 71,5)	40	59,0 (49,5, 70,3)	27	62,0 (47,5, 73,0)
Vordingborg - 4760	94	55,0 (39,3, 68,0)	61	55,0 (43,0, 69,0)	33	52,0 (35,0, 67,0)

Vordingborg gr. 1	70	58,0 (47,3, 67,0)	46	59,0 (49,3, 66,8)	24	53,0 (31,8, 69,8)
Vordingborg gr. 2	62	58,0 (46,0, 62,8)	39	58,0 (48,0, 64,0)	23	58,0 (39,5, 61,5)
	4.266	60,0 (47,0, 70,0)	2.699	60,0 (47,0, 71,0)	1.567	59,0 (47,0, 70,0)

¹Median (IQR)

Appendix 3: Median visual acuity at diagnosis by municipality and stratified by females and males.

Best Corrected Visual Acuity (ETDRS)

Municipality	N	All¹	N	Females¹	N	Males¹
Faxe	127	60,0 (46,5, 68,0)	77	60,0 (47,0, 70,0)	50	58,0 (46,0, 66,5)
Greve	209	63,0 (48,0, 73,0)	112	62,5 (48,0, 73,0)	97	64,0 (48,0, 74,0)
Gulborgsund	375	60,0 (47,0, 71,5)	234	60,0 (46,0, 71,0)	141	60,0 (48,0, 72,0)
Holbæk	385	62,0 (48,0, 73,0)	242	63,0 (48,0, 74,0)	143	62,0 (49,0, 70,0)
Kalundborg	240	58,5 (48,0, 69,3)	166	57,0 (48,0, 69,0)	74	62,0 (48,5, 70,0)
Køge	329	60,0 (46,0, 72,0)	223	61,0 (47,0, 71,5)	106	58,5 (46,0, 72,0)
Lejre	114	63,0 (51,0, 71,8)	69	63,0 (51,0, 70,0)	45	63,0 (51,0, 74,0)
Lolland	267	56,0 (44,5, 69,0)	161	57,0 (45,0, 71,0)	106	55,0 (44,3, 65,0)
Næstved	361	56,0 (46,0, 67,0)	252	56,0 (46,0, 68,0)	109	56,0 (47,0, 66,0)
Odsherred	251	59,0 (47,5, 70,5)	165	57,0 (46,0, 70,0)	86	62,0 (48,0, 70,8)
Ringsted	213	60,0 (47,0, 69,0)	134	60,0 (48,0, 69,8)	79	58,0 (46,5, 68,5)
Roskilde	439	59,0 (47,0, 72,0)	272	59,0 (46,0, 72,0)	167	58,0 (47,0, 72,0)
Slagelse	456	62,0 (48,0, 70,3)	273	63,0 (49,0, 71,0)	183	59,0 (47,0, 69,5)
Solrød	79	66,0 (48,0, 75,0)	48	65,5 (48,0, 75,0)	31	68,0 (48,0, 77,0)
Sorø	128	57,0 (46,0, 70,5)	85	59,0 (47,0, 72,0)	43	54,0 (30,5, 68,0)
Stevns	67	60,0 (48,0, 71,5)	40	59,0 (49,5, 70,3)	27	62,0 (47,5, 73,0)
Vordingborg	226	57,0 (46,0, 67,0)	146	58,0 (47,0, 67,0)	80	53,0 (36,5, 66,3)

¹Median (IQR)

Befolkningens højest fuldførte uddannelse (15-69 år) efter tid, bopælsområde, Tællevariabel og højest fuldførte uddannelse angivet i procent (2021) (kilde: Danmarks statistiskbanken)

Kommune	H10 Grundskole	H20 Gymnasiale uddannelser	H30 Erhvervsfaglige uddannelser	H35 Adgangsgivende uddannelsesforløb	H40 Korte videregående uddannelser, KVU	H50 Mellemlange videregående uddannelser, MVU	H60 Bacheloruddannelser, BACH	H70 Lange videregående uddannelser, LVU	H80 Ph.d. og forskeruddannelser	H90 Uoplyst mv.
Faxe	29,65	6,94	38,47	0,05	4,87	13,09	0,91	4,42	0,28	1,32
Greve	23,91	10,54	33,57	0,05	6,27	13,9	1,36	8,45	0,59	1,36
Guldborgsund	30,62	6,92	37,33	0,04	4,17	14,94	0,66	3,91	0,16	1,24
Holbæk	28,34	8,5	33,89	0,02	5,17	15,75	1	5,88	0,36	1,1
Kalundborg	31,8	6,17	39,21	0,04	4,88	12,09	0,57	3,71	0,31	1,23
Køge	26,81	9,41	33,39	0,04	5,92	14,19	1,3	7,17	0,51	1,26
Lejre	23,46	7,78	32,66	0,03	5,99	15,78	1,42	10,82	1,19	0,89
Lolland	35,73	5,93	39,05	0,05	3,21	11,12	0,47	2,48	0,17	1,79
Næstved	28,26	8,76	34,91	0,02	5,21	15,81	0,85	4,57	0,29	1,31
Odsherred	32,19	6,71	38,14	0,03	3,84	12,74	0,79	3,87	0,28	1,41
Ringsted	27,33	8,58	34,85	0,04	5,92	13,78	1,34	6,36	0,57	1,23
Roskilde	21,96	11,3	26,55	0,03	5,97	16,68	2,15	13,01	1,47	0,88
Slagelse	30,35	8,99	33,83	0,05	5,1	14,65	1,08	4,36	0,27	1,32
Solrød	22,07	10,33	32,7	0,03	7,09	14,88	1,4	10,04	0,65	0,8
Sorø	28,37	6,6	35,02	0,05	4,7	14,44	1,19	8,05	0,56	1,01
Stevns	28,01	6,95	38,28	0,06	5,3	13,4	0,81	5,46	0,43	1,31
Vordingborg	30,64	7,63	34,3	0,04	4,4	15,22	0,98	5,01	0,45	1,32
Region Sjælland	28,11	8,44	34,44	0,04	5,19	14,57	1,12	6,37	0,51	1,22

Appendix 4: Population's highest level of completed education (source: Danmarks Statistik)

Translations: H10 = Primary school, H20 = Upper secondary school, H30 = Technical Education, H35 = Qualification for higher education, H40 = Short further education, H50 = Intermediate further education, H60 = Bachelor's degree, H70 = Long further education, H80 = PhD and Research education, H90 = Not disclosed

Appendix 5: Disposable income by municipality, family type: Average for families in the group (DKK) (2021)

	Households (Total)	Couples (Total)	Singles (Total)
Greve	493.832	685.165	275.801
Køge	441.771	635.413	260.198
Lejre	500.354	677.199	279.994
Roskilde	487.523	728.928	267.852
Solrød	569.027	757.854	314.397
Faxe	406.626	576.724	245.890
Guldborgsund	362.108	535.661	230.141
Holbæk	426.609	611.389	259.819
Kalundborg	401.626	581.301	249.098
Lolland	334.005	497.458	219.080
Næstved	403.251	592.726	246.635
Odsherred	370.648	534.238	240.038
Ringsted	425.516	617.773	248.688
Slagelse	382.757	571.426	237.483
Sorø	427.344	607.104	255.939
Stevns	431.286	594.543	259.242
Vordingborg	375.288	549.400	240.713

Appendix 6: Overview of positive post-hoc pairwise tests on a municipality level using Benjamini-Holberg correction

Post-hoc Pairwise test by municipality

.y.	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif	signif
BCVA	Greve	Lolland	196	267	-2.942502005	0.003255717	0.034059806	*	*
BCVA	Greve	Næstved	196	361	-3.385608933	0.000710205	0.012353594	*	*
BCVA	Greve	Vordingborg	196	226	-3.379309307	0.000726682	0.012353594	*	*
BCVA	Holbæk	Lolland	385	267	-3.447186833	0.000566457	0.012353594	*	*
BCVA	Holbæk	Næstved	385	361	-4.069622938	4.7089286704091E-05	0.006290991	**	**
BCVA	Holbæk	Vordingborg	385	226	-3.909428931	9.25146E-05	0.006290991	**	**
BCVA	Lejre	Næstved	114	361	-2.951889169	0.003158363	0.034059806	*	*
BCVA	Lejre	Vordingborg	114	226	-3.016997162	0.002552922	0.0315634	*	*
BCVA	Lolland	Solned	267	79	3.383314185	0.000716167	0.012353594	*	*
BCVA	Næstved	Slagelse	361	456	3.135293118	0.001716825	0.02594313	*	*
BCVA	Næstved	Solned	361	79	3.678728726	0.000234399	0.00796958	**	**
BCVA	Slagelse	Vordingborg	456	226	-3.07720127	0.002089542	0.028417766	*	*
BCVA	Solned	Vordingborg	79	226	-3.721355155	0.000198157	0.00796958	**	**