

Technical Appendix

Table A1. Indicators comprising social vulnerability.

Domain	Social vulnerability indicators
Household composition	% persons 65 years of age or older % persons 14 years of age or younger
Socioeconomic status	% households under or around minimum income General assistance benefits (per 1,000 households) Average per capita income
Minority status	% non-Western immigrants
Housing/transportation	% multifamily structures % homes built before 2000 No. vehicles per household % rentals % housing units occupied

Source: Data from Centraal Bureau voor de Statistiek (<http://www.weetmeer.nl/buurt/Nijmegen/0268>) and indicator names adapted from ACS 2006–2010 (5-year estimates) from the U.S. Census Bureau (2015).

Table A2. Examples of social vulnerability indicators and data for Nijmegen neighborhoods.

No.	Neighborhood	Age 65+ (%)	Non-Western immigrants (%)	Per capita income (€, 1,000s)	Rental rate (%)
Embanked					
1	Stadscentrum	8	7	21.2	67
2	Bottendaal	6	9	21.1	58
3	Galgenveld	15	5	24.9	37
4	Altrade	8	5	23	50
5	Hunnerberg	22	4	29.3	35
6	Hengstdal	15	10	20.7	66
7	Kwakkenberg	30	3	29.6	46
8	Groenewoud	14	6	15.2	31
9	Wolfskuil	9	20	16.9	63
10	Hees	24	6	22.5	40
11	Heseveld	12	16	18.9	54
12	Neerbosch-Oost	18	25	17.9	71
13	Nije Veld	10	21	16	72
14	Hazenkamp	15	3	26.1	22
15	Goffert	14	11	20.4	74
16	St. Anna	20	4	22.7	48
17	Heijendaal	15	7	21.5	68
18	Hatertse Hei	12	10	21.2	50
19	Grootstal	21	14	18.5	73
20	Hatert	21	19	16.4	68
21	Brakkenstein	24	5	22.5	50
22	Tolhuis	16	20	18.7	54
23	Zwanenveld	17	20	19.9	71
24	Meijhorst	18	32	16.2	82
25	Lankforst	18	17	20.5	67
26	Aldenhof	20	25	17	71
27	Malvert	28	22	18.1	75
28	Weezenhof	28	7	25.9	55
29	Vogelzang	-	-	-	-
30	Staddijk	15	0	-	-
31	't Acker	6	17	18.2	48
32	De Kamp	11	19	19.9	49
33	't Broek	8	11	19.5	47
34	Kerkenbos	-	-	-	9
35	Westkanaaldijk	-	-	-	-
36	Neerbosch-West	7	4		32
37	Bijsterhuizen	-	-	-	-

No.	Neighborhood	Age 65+ (%)	Non-Western immigrants (%)	Per capita income (€, 1,000s)	Rental rate (%)
38	Ressen	7	1		33
Unembanked					
39	Benedenstad	14	6	21.8	87
40	Ooyse Schependom	4	2	21.7	51
41	Biezen	12	12	18.5	72
42	Haven- en industrieterrein	13	13	-	49
43	Oosterhout	2	9	-	26
44	Lent	10	9	20.9	47

Note: “-” indicates data is not applicable or missing for the neighborhood.

Source: Data from Centraal Bureau voor de Statistiek (<http://www.weetmeer.nl/buurt/Nijmegen/0268>) and indicator names adapted from ACS 2006–2010 (5-year estimates) from the U.S. Census Bureau (2015).

Table A3. Network of plans in the city of Nijmegen.

Administrative system tiers	Plans
National	Delta Plan: Room for the River Waal (2012)
Provincial	Provincial Environment Vision Plan (2017)
Municipal	Comprehensive plan Structure vision (2010), Waterfront Master plan (2014), Land use plan of Kanaalhavens (2015), Centrum Binnenstad (2012), Verbreding Waalbrug (2015), Mercuriuspark (2015), Ooyse Schependom (2015), Woenderskamp (2017), Kern Lent-Visveld (2012), De Stelt (2014), Hof van Holland (2017), Woonpark Oosterhout (2013)

Source: Plan documents.

Table A4. Policy scores for plans in Nijmegen.

Multi-neighborhood plan means and standard deviations (no. affected neighborhoods)					
Plan (Year adopted)	Embanked neighborhoods		Unembanked neighborhoods		Difference
	Mean	SD	Mean	SD	Mean
National					
Delta Plan: Room for the River Waal (2012)	1.21 (44)	1.10	3.50 (6)	2.02	2.29
Provincial					
Provincial Environment Vision Plan (2017)	0.91 (44)	0.95	2.00 (6)	0.78	1.09
Municipal (Multi-neighborhood)					
Nijmegen Comprehensive Plan (2010)	1.48 (44)	0.99	-0.17 (6)	0.26	-1.65
Waterfront Master Plan (2014)	3.50 (2)	1.50	3.00 (2)	3.00	-0.50
Kanaalhavens Land Use Plan (2015)	1.00 (3)	1.41	1.33 (3)	1.89	0.33
Centrum Binnenstad Land Use Plan (2012)	2.00 (2)	1.00	0.50 (2)	0.50	-1.50
Verbreiding Waalbrug Land Use Plan (2015)	2.00 (6)	0	2.00 (6)	0	0
Municipal (single-neighborhood)	Embanked neighborhoods		Unembanked neighborhoods		Difference
Mercuriuspark Redevelopment Plan (2015)	-4.00		1.00		5.00
Ooyse Schependom Land Use Plan (2015)	0		6.00		6.00
Woenderskamp Land Use Plan (2017)	9.00		0		-9.00
Kern Lent-Visveld Land Use Plan (2012)	4.00		0		-4.00
De Stelt Land Use Plan (2014)	15.00		16.00		1.00
Hof van Holland Land Use Plan (2017)	20.00		0		-20.00
Woonpark Oosterhout Land Use Plan (2013)	0		0		0
Mean for the 10 land use plans	7.88 (8)	7.47	6.67 (6)	3.08	-1.21
Overall mean for all plans	5.18 (44)	9.26	13.00 (6)	5.61	7.82