Mapping Heat Vulnerability Index Based on Different Urbanization Levels in Nebraska, USA

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Factors -->	I	II	III	IV
disability		0.23	***0.65***	
Low education	0.25	0.43	0.38	-0.19
language	0.19	***0.58***	0.10	0.20
Over 60	***-0.53***	-0.46	0.11	-0.14
Over60/alone	0.12		***0.60***	
below poverty	0.27	0.46	***0.70***	-0.14
Race/noWhite		***0.81***	0.32	0.35
Developed/Open		0.15	-0.17	***0.61***
Developed/Low	0.37	0.13		***0.72***
Developed/Med	**0.87**	0.16	0.13	0.37
Developed/High	**0.66**	0.13	0.27	
SS loadings	1.80	1.74	1.66	1.27
Proportion Var	0.16	0.16	0.15	0.12
Cumulative Var	0.16	0.32	0.47	0.59

All Tracts (n=532)

Table S1. Results of factor analysis for combination of all tracts. Top table shows the factor loadings of each variable. Bottom table contains the sum of the squared loadings on first row (SS loading), The variance captured by each factor in the second row, and cumulative captured variances in the third row
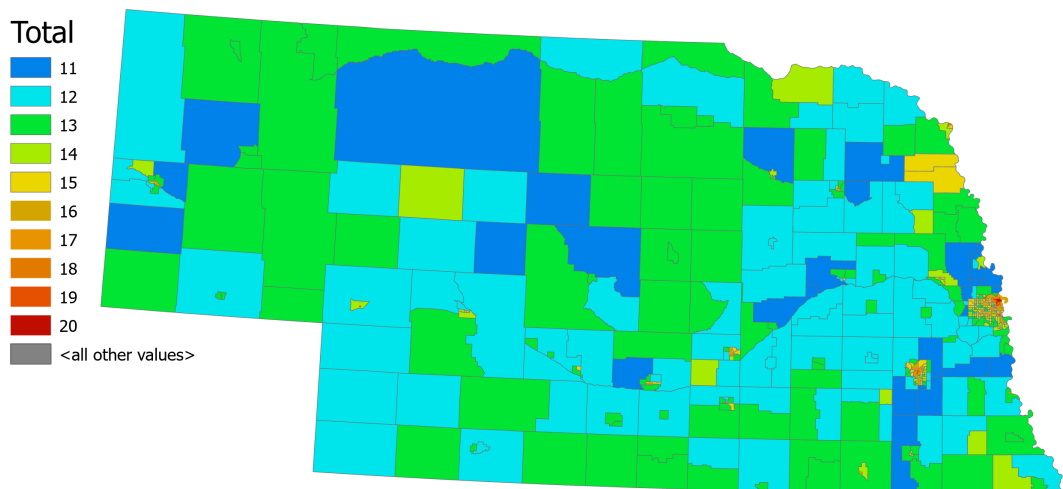
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Figure S1. Total vulnerability map resulting from one fit all solution. All highly vulnerable areas- from score 17 to 20- are located within the highest urbanized tracts (Medium Metro group in Figure 1).
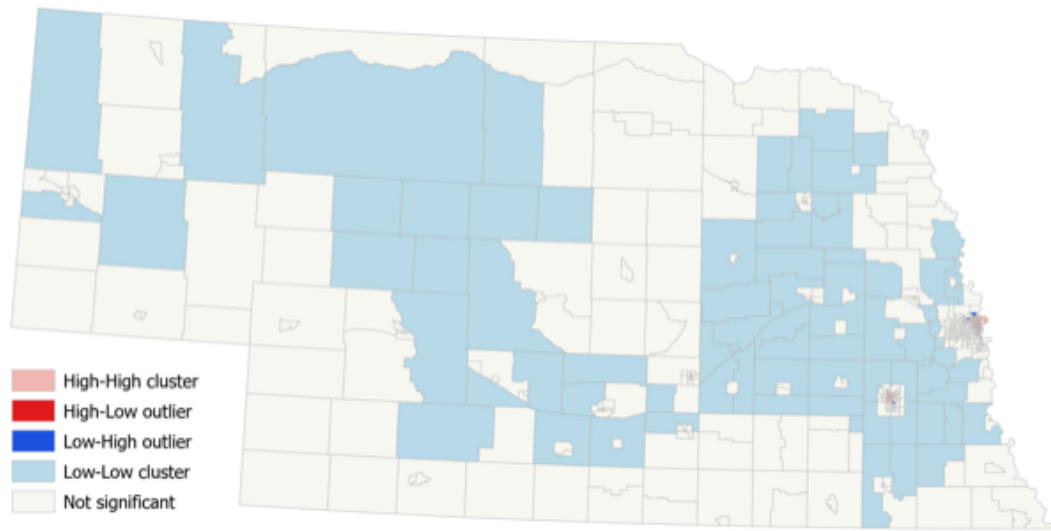
Figure S2. Total vulnerability map resulting from one fit all solution. All highly vulnerable areas- from score 17 to 20- are located within the highest urbanized tracts (Medium Metro group in Figure 1).