Detroit Project
Technical Appendix

Companion to

Examining the Impact of Food Deserts on Public Health in Detroit

Sponsored by

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Additional Tables Only

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Additional Tables

Food Venues in Miles for Detroit by Blocks by Category

All Blocks

A. Food Stamp Convenience Stores	0.25
B. Food Stamp Liquor and Party Stores	0.37
C. Fast Food	0.38
D. Food Stamp Gas Stations	0.40
E. Food Stamp Small, Medium, or Large Grocers or Supermarkets	0.57
F. Recoded Food Stamp Pharmacies	0.74
G. Food Stamp Specialty Food	0.81
H. Recoded Food Stamp “Convenience Plus” Stores	1.04

Majority African American Blocks

A. Food Stamp Convenience Stores	0.25
B. Food Stamp Liquor and Party Stores	0.37
C. Fast Food	0.38
D. Food Stamp Gas Stations	0.40
E. Food Stamp Small, Medium, or Large Grocers or Supermarkets	0.56
F. Recoded Food Stamp Pharmacies	0.75
G. Food Stamp Specialty Food	0.84
H. Recoded Food Stamp “Convenience Plus” Stores	1.10

Majority Latino Blocks

A. Food Stamp Convenience Stores	0.17
B. Food Stamp Liquor and Party Stores	0.25
D. Food Stamp Gas Stations	0.33
E. Food Stamp Small, Medium, or Large Grocers or Supermarkets	0.41
F. Recoded Food Stamp Pharmacies	0.46
G. Food Stamp Specialty Food	0.45
H. Recoded Food Stamp “Convenience Plus” Stores	0.35

Majority White Blocks

A. Food Stamp Convenience Stores	0.25
B. Food Stamp Liquor and Party Stores	0.42
C. Fast Food	0.42
D. Food Stamp Gas Stations	0.37
E. Food Stamp Small, Medium, or Large Grocers or Supermarkets	0.75
F. Recoded Food Stamp Pharmacies	0.80
G. Food Stamp Specialty Food	0.64
H. Recoded Food Stamp “Convenience Plus” Stores	0.65

Majority Diverse Blocks

A. Food Stamp Convenience Stores	0.25
B. Food Stamp Liquor and Party Stores	0.37
C. Fast Food	0.39
D. Food Stamp Gas Stations	0.35
E. Food Stamp Small, Medium, or Large Grocers or Supermarkets	0.61
F. Recoded Food Stamp Pharmacies	0.61
G. Food Stamp Specialty Food	0.56
H. Recoded Food Stamp “Convenience Plus” Stores	0.89

Food Venues in Miles for Metro Detroit by County by Tract by Category

Average Distance By Tract To:	Wayne	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Any Food Stamp Retailer	0.35	0.50	0.43	2.11	0.99	0.68
Recoded Food Stamp Liquor and Party Stores	0.86	1.35	1.03	4.91	2.66	2.26
All "Convenience Stores"	0.58	0.91	0.69	3.77	1.38	1.64
Food Stamp Gas Stations	1.02	1.66	1.62	3.96	2.41	3.87
Food Stamp Specialty Food	1.19	1.59	1.47	6.64	2.84	2.37
Food Stamp Supermarkets	0.79	1.01	0.90	3.26	1.43	1.19
Food Stamp Median or Small Grocery Stores	1.63	2.24	1.77	3.25	2.53	2.65
Food Stamp Pharmacies	0.81	0.89	0.80	6.68	2.19	0.98
Fast Food (NOT all fringe)	0.49	0.61	0.52	2.64	1.05	0.67

Average Distance By Race To Any Food Stamp Venue By Tract	Wayne	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White	0.49	0.51	0.44	2.11	1.14	0.71
Majority African American	0.22	0.26	0.30	--	0.51	0.50
Majority Latino	0.14	--	--	--	--	--
Majority Diverse	0.36	0.76	--	--	0.51	0.48

Average Distance By Tract To Food Stamp Convenience Stores	Wayne	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White Tract	0.91	0.95	0.71	4.79	1.65	1.76
Majority Black Tract	0.25	0.31	0.31	--	0.52	1.14
Majority Latino Tract	0.17	--	--	--	--	--
No Majority Race – Diverse	0.65	1.66	--	--	0.53	1.56

Average Distance By Tract To Food Stamp Liquor and Party Stores	Wayne	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White Tract	1.35	1.40	1.04	4.91	2.93	2.40
Majority Black Tract	0.38	0.48	0.36	--	2.96	1.21
Majority Latino Tract	0.30	--	--	--	--	--
No Majority Race – Diverse	0.87	2.10	--	--	1.10	1.83

Average Distance By Tract To All "Convenience" Stores (includes liquor)	Wayne	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White Tract	0.90	0.94	0.69	3.77	1.65	1.75
Majority Black Tract	0.25	0.31	0.31	--	0.52	0.95
Majority Latino Tract	0.17	--	--	--	--	--
No Majority Race – Diverse	0.65	1.67	--	--	0.53	1.23

Average Distance By Tract To Food Stamp Gas Stations	Wayne	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White Tract	1.65	1.72	1.62	3.96	2.52	4.28
Majority Black Tract	0.41	0.51	1.05	--	2.56	1.29
Majority Latino Tract	0.33	--	--	--	--	--
No Majority Race – Diverse	1.07	2.87	--	--	1.74	1.56

Average Distance By Tract To Food Stamp Specialty Food	Wayne	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White Tract	1.55	1.60	1.46	6.64	3.05	2.37
Black Tract	0.86	1.19	3.35	--	3.07	2.60
Majority Latino Tract	0.45	--	--	--	--	--
No Majority Race – Diverse	1.04	2.26	--	--	1.61	1.73

Average Distance By Tract To Food Stamp Supermarkets	Wayne	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White Tract	1.02	1.03	0.90	3.26	1.57	1.23
Majority Black Tract	0.57	0.75	1.00	--	0.86	0.97
Majority Latino Tract	0.41	--	--	--	--	--
No Majority Race – Diverse	0.72	0.99	--	--	1.14	0.90

Average Distance By Tract To Food Stamp Median or Small Grocery Stores	Wayne	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White Tract	2.18	2.27	1.78	3.25	2.70	2.74
Majority Black Tract	1.12	1.54	0.67	--	2.40	1.98
Majority Latino Tract	0.35	--	--	--	--	--
No Majority Race – Diverse	1.62	3.46	--	--	1.70	2.54

Average Distance By Tract To Food Stamp Pharmacies	Wayne	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White Tract	0.88	0.88	0.80	6.68	2.22	1.00
Majority Black Tract	0.76	0.93	1.04	--	2.81	0.91
Majority Latino Tract	0.46	--	--	--	--	--
No Majority Race – Diverse	0.82	1.33	--	--	1.63	0.67

Average Distance By Tract To Fast Food (NOT all fringe)	Wayne	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White Tract	0.60	0.61	0.52	2.64	1.15	0.71
Majority Black Tract	0.39	0.58	0.66	--	0.57	0.48
Majority Latino Tract	0.25	--	--	--	--	--
No Majority Race – Diverse	0.41	0.44	--	--	0.88	0.47

Percent cut-offs for Tracts

	All	Detroit	Non-Detroit
Obs	1.00	1.00	1.00
W_P0	0.00	0.00	0.00
W_P25	37.66	0.00	87.18
W_P33	68.97	0.00	91.30
W_P50	88.51	2.86	96.20
W_P67	94.39	8.05	100.00
W_P75	95.49	13.85	100.00
W_P100	99.01	100.00	100.00
B_P0	0.99	0.00	0.00
B_P25	4.51	86.15	0.00
B_P33	5.61	91.95	0.00
B_P50	11.49	97.14	3.80
B_P67	31.03	100.00	8.70
B_P75	62.34	100.00	12.82
B_P100	100.00	100.00	100.00
H_P0	0.00	0.00	0.00
H_P25	1.01	0.00	0.00
H_P33	1.18	0.00	0.00
H_P50	1.56	0.00	0.00
H_P67	2.07	0.00	1.52
H_P75	2.46	1.25	2.55
H_P100	77.14	100.00	100.00