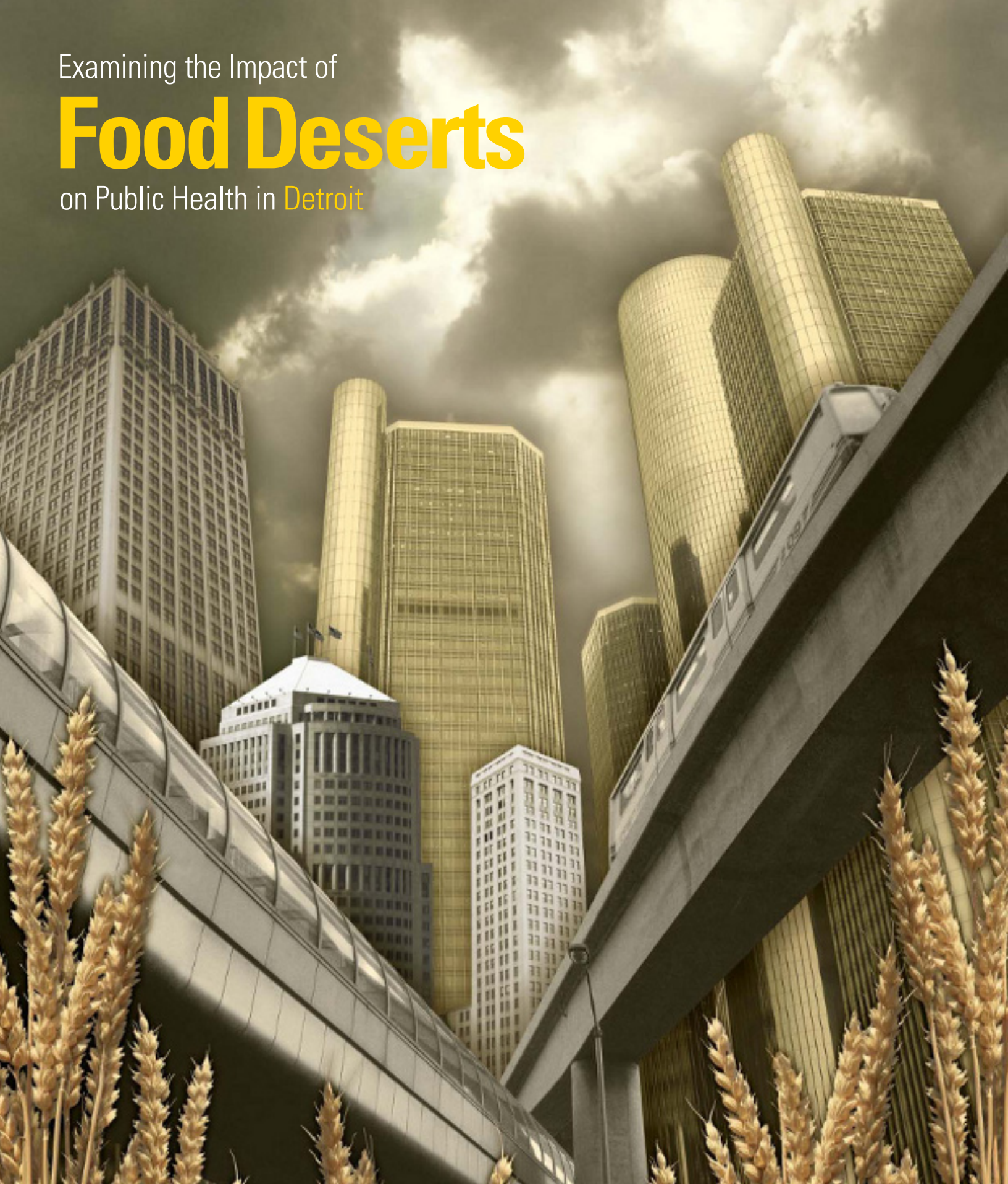


Examining the Impact of

# Food Deserts

on Public Health in Detroit



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**Pages 13-16 Only**

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**Table 2:** Food Stamp Retail Categories and Distribution for Metro Detroit

	Detroit Only **	Wayne, All	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Recorded Liquor and Party Stores	25.63%	21.20%	14.14%	15.15%	20.45%	12.63%	11.38%
Recorded Dollar Stores	2.52%	2.87%	3.42%	3.33%	—	1.05%	1.85%
Recorded Bakeries	1.58%	1.72%	1.93%	1.52%	2.27%	1.05%	1.32%
Recorded Convenience Stores	21.44%	17.82%	12.05%	13.03%	9.09%	14.74%	9.26%
Gas Stations	21.99%	18.34%	12.50%	6.67%	13.64%	10.53%	4.50%
Specialty Food	6.99%	8.94%	12.05%	10.30%	6.82%	6.32%	2.91%
Supermarkets	8.01%*	10.54%	14.58%	18.18%	25.00%	26.32%	24.87%
Small or Medium Grocery Stores	4.75%**	5.39%	6.40%	4.85%	11.36%	8.42%	7.94%
Recorded Pharmacies	6.06%	9.51%	15.03%	19.39%	6.82%	11.58%	33.07%
Other	1.03%	3.67%	7.90%	7.58%	4.55%	7.36%	2.90%
Count	1073	1745	672	330	44	95	378

\* In Detroit, "Supermarkets" also include small and medium size grocers by our definition.

\*\* For Detroit, "small or medium" grocers are recoded into "convenience plus" stores. Recoding for non-Detroit Areas was done by computer programming that searched for keywords in the business name. Unlike for Detroit, additional field checks and record-by-record inspections were not conducted. Therefore, we can make no determination about the true nature of "small or medium" grocers or "supermarkets" in non-Detroit locations.

**Table 3:** Supermarket\* and Fast Food Distance Scores by Race

Average Distance by Tract to Food Stamp **Supermarkets** in Miles for Metro Detroit

	Detroit Only	Wayne, All	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White	.75	1.02	1.03	.90	3.26	1.57	1.23
Majority African American	.56	.57	.75	1.00	—	.86	—
Majority Latino	.41	.41	—	—	—	—	—
Majority Diverse	.61	.72	.99	—	—	1.14	.90

Average Distance by Tract to **Fast Food** in Miles for Metro Detroit

	Detroit Only	Wayne, All	Wayne Minus Detroit	Macomb	Monroe	Washtenaw	Oakland
Majority White	.42	.60	.61	.52	2.64	1.15	.71
Majority African American	.38	.39	.58	.66	—	.57	.48
Majority Latino	.25	.25	—	—	—	—	—
Majority Diverse	.39	.41	.44	—	—	.88	.47

\* For Detroit, Food Stamp Supermarkets is roughly equivalent to all small, medium, and large grocery stores and supermarkets by our definition. We can make no determination about the true nature of "supermarkets" in non-Detroit locations.

**Note:** Where dashes are given, there were not enough tracts in that racial category to make a meaningful calculation. For more distance scores, see the Detroit Project Technical Appendix at marigallagher.com.

**Table 4:** Food Stamp Retail Categories and Distribution for the State of Michigan and Key Michigan Locations

	Michigan	Lansing	Grand Rapids	Flint	Kalamazoo	Benton Harbor	St. Joseph
Supermarkets	19.85%	15.87%	21.05%	12.14%	19.54%	18.92%	37.50
Specialty Foods	7.06%	5.56%	7.24%	4.37%	6.90%	0.00%	0.00%
Recorded Convenience Stores	17.77%	24.60%	15.13%	34.47%	26.44%	18.92%	25.00%
Recorded Pharmacies	9.92%	5.56%	10.53%	6.80%	10.34%	5.41%	12.50%
Recorded Liquor & Party Stores	12.29%	13.49%	11.18%	13.11%	6.90%	18.92%	12.50%
Medium or Small Grocery	8.78%	11.90%	15.13%	6.80%	8.05%	16.22%	0.00%
Gas Stations	12.41%	7.14%	6.58%	7.28%	11.49%	13.51%	0.00%
Other	11.92%	15.88%	13.16%	15.03%	10.34%	8.10%	12.50%
Total	5989%	126	152	206	87	37	8

**Note:** Recoding for non-Detroit Areas was done by computer programming that searched for keywords in the business name. Unlike for Detroit, additional field checks and record-by-record inspections were not conducted. We can make no determination about the true nature of "small and medium" grocers or "supermarkets" in non-Detroit locations.

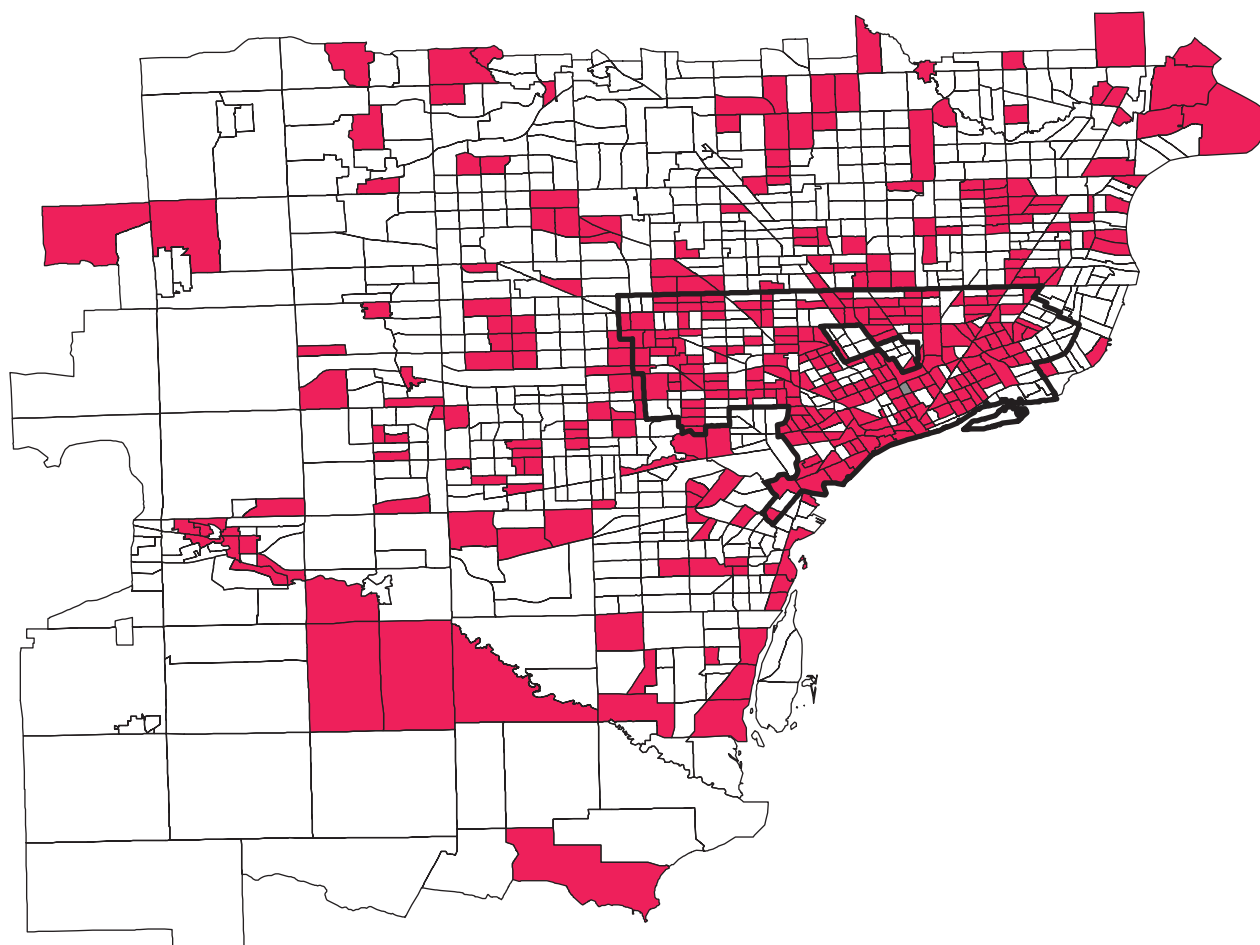
**Map 2:** Detroit and Metro Detroit Out-of-Balance Census Tracts  
***Food Balance Scores of 2 or More***

Not in Grouping

Out-of-Balance Tract (Score of 2 or More)

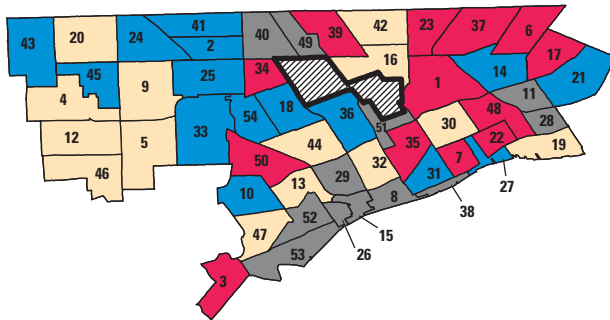
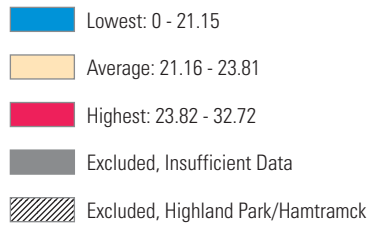
Excluded, Insufficient Data

Detroit

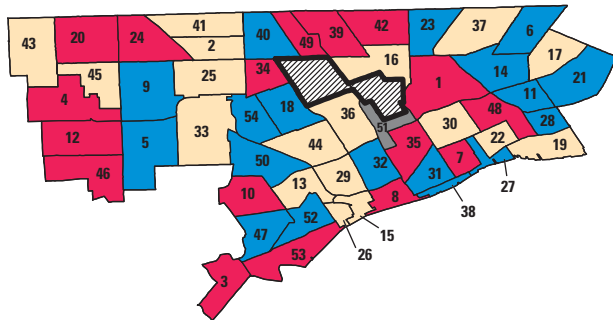
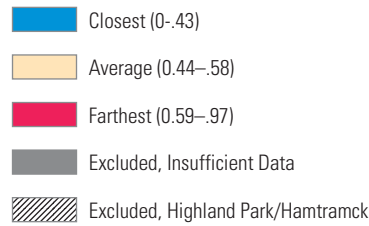


**Map 3:** Detroit Years of Potential Life Lost for Diet-Related Deaths Per 100 Population *by Tertiles*

Each tertile contains one third of the data set after it has been sorted from lowest to highest.

**Map 4:** Distance to Small, Medium and Large Grocers and Supermarkets in Detroit

Each tertile contains one third of the data set after it has been sorted from lowest to highest.



### Detroit Communities

- |                              |                          |
|------------------------------|--------------------------|
| 1. Airport                   | 28. Jefferson/Mack       |
| 2. Bagley                    | 29. Jeffries             |
| 3. Boynton                   | 30. Kettering            |
| 4. Brightmoor                | 31. Lower East Central   |
| 5. Brooks                    | 32. Lower Woodward       |
| 6. Burbank                   | 33. Mackenzie            |
| 7. Butzel                    | 34. McNichols            |
| 8. Central Business District | 35. Middle East Central  |
| 9. Cerveney/Grandmont        | 36. Middle Woodward      |
| 10. Chadsey                  | 37. Mt. Olivet           |
| 11. Chandler Park            | 38. Near East Riverfront |
| 12. Cody                     | 39. Nolan                |
| 13. Condon                   | 40. Palmer Park          |
| 14. Conner                   | 41. Pembroke             |
| 15. Corktown                 | 42. Pershing             |
| 16. Davison                  | 43. Redford              |
| 17. Denby                    | 44. Rosa Parks           |
| 18. Durfee                   | 45. Rosedale             |
| 19. East Riverside           | 46. Rouge                |
| 20. Evergreen                | 47. Springwells          |
| 21. Finney                   | 48. St. Jean             |
| 22. Foch                     | 49. State Fair Grounds   |
| 23. Grant                    | 50. Tireman              |
| 24. Greenfield               | 51. Upper East Central   |
| 25. Harmony Village          | 52. Vernor/Junction      |
| 26. Hubbard Richard          | 53. West Riverfront      |
| 27. Indian Village           | 54. Winterhalter         |

Additional technical details, tables, maps, and author's comments and acknowledgements are available in the Detroit Project Technical Appendix at [marigallagher.com](http://marigallagher.com)

### Source Notes

- 1: [www.consumeraffairs.com/news04/2005/car\\_costs.html](http://www.consumeraffairs.com/news04/2005/car_costs.html)
- 2: [http://en.wikipedia.org/wiki/List\\_of\\_U.S.\\_cities\\_with\\_most\\_households\\_without\\_a\\_car](http://en.wikipedia.org/wiki/List_of_U.S._cities_with_most_households_without_a_car). Also note that some estimates are higher.
- 3: [www.visitdetroit.com/media/aboutdetroit/funfacts](http://www.visitdetroit.com/media/aboutdetroit/funfacts)
- 4: Technically, Food Stamps no longer exist, although this is still the common name for Electronic Benefits Transfer (EBT).
- 5: The exact population number calculated for those living in Detroit's out-of-balance areas is 591,849. All population numbers are from the 2000 Census, so the exact number today would slightly vary.
- 6: Small numbers of non-retail establishments were excluded from the data set, such as drug and alcohol treatment programs, group living arrangements, communal dining facilities, and private restaurant meal deliveries. Source: 2005 USDA Food Stamp data



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