

**Bibliography of peer-reviewed articles and reports that use the Child Opportunity Index**  
**diversitydatakids.org | October 2024**

**Peer-reviewed Articles – Health**

- Abraham, O. C., Jampa, A., Quinney, S. K., & Haas, D. M. (2023). The Childhood Opportunity Index's association with adverse pregnancy and newborn outcomes in nulliparous persons. *American journal of perinatology*. <https://doi.org/10.1055/a-2185-8882>
- Acevedo-Garcia, D., McArdle, N., Hardy, E. F., Crisan, U. I., Romano, B., Norris, D., . . . Reece, J. (2014). The Child Opportunity Index: Improving collaboration between community development and public health. *Health Affairs (Project Hope)*, 33(11), 1948-1957. doi:10.1377/hlthaff.2014.0679.
- Akande, M. Y., Ramgopal, S., Graham, R. J., Goodman, D. M., & Heneghan, J. A. (2023). Child Opportunity Index and emergent PICU readmissions: A retrospective, cross-sectional study of 43 U.S. hospitals. *Pediatric critical care medicine*. <https://doi.org/10.1097/PCC.0000000000003191>
- Akinkuotu, A. C., Burk Bauer, L., Phillips, M. R., Gallaher, J., Williams, F. N., McLean, S. E., & Charles, A. G. (2024). Neighborhood Child Opportunity is associated with hospital length of stay following pediatric burn injury. *Burns*, 50(6), 1487-1493. <https://doi.org/10.1016/j.burns.2024.03.035>
- Alizadeh, F., Gauvreau, K., Barreto, J. A., Hall, M., Bucholz, E., Nathan, M., Newburger, J. W., Vitali, S., Thiagarajan, R. R., Chan, T., & Moynihan, K. M. (2024). Child Opportunity Index and pediatric extracorporeal membrane oxygenation outcomes; the role of diagnostic category. *Critical Care Medicine*, 52(10), 1587. <https://doi.org/10.1097/CCM.0000000000006358>
- Altamirano-Lamarque, F., Lim, C., Shah, A. S., Vanderveen, D. K., Gonzalez, E., & Oke, I. (2024). Association of neighborhood opportunity with severity of retinoblastoma at presentation. *American Journal Of Ophthalmology*, 261, 1-6. <https://doi.org/10.1016/j.ajo.2024.01.013>
- Annis, I. E., deJong, N. A., Christian, R. B., Davis, S. A., Hughes, P. M., & Thomas, K. C. (2023). Neighborhood context and children's health care utilization and health outcomes: A comprehensive descriptive analysis of national survey data. *Health Affairs Scholar*, 1(3). <https://doi.org/10.1093/haschl/qxad038>
- Appleton, A. A., Lin, B., Holdsworth, E. A., Feingold, B. J., & Schell, L. M. (2021). Prenatal exposure to favorable social and environmental neighborhood conditions is associated with healthy pregnancy and infant outcomes. *International Journal of Environmental Research and Public Health*, 18(11), 13. Retrieved from <https://www.mdpi.com/1660-4601/18/11/6161>
- Aris, I. M., Perng, W., Dabelea, D., Padula, A. M., Alshawabkeh, A., Vélez-Vega, C. M., Aschner, J. L., Camargo, C. A., Jr, Sussman, T. J., Dunlop, A. L., Elliott, A. J., Ferrara, A., Joseph, C. L. M., Singh, A. M., Breton, C. V., Hartert, T., Cacho, F., Karagas, M. R., Lester, B. M., . . . Outcomes, E. I. o. C. H. (2023). Neighborhood opportunity and vulnerability and incident asthma among children. *JAMA Pediatrics*, 177(10), 1055-1064. <https://doi.org/10.1001/jamapediatrics.2023.3133>
- Aris, I. M., Perng, W., Dabelea, D., Padula, A. M., Alshawabkeh, A., Vélez-Vega, C. M., . . . Oken, E. (2022). Associations of Neighborhood Opportunity and Social Vulnerability With Trajectories of Childhood Body Mass Index and Obesity Among US Children. *JAMA Network Open*, 5(12), e2247957. doi:10.1001/jamanetworkopen.2022.47957.
- Aris, I. M., Rifas-Shiman, S. L., Jimenez, M. P., Li, L.-J., Hivert, M.-F., Oken, E., & James, P. (2021). Neighborhood Child Opportunity Index and adolescent cardiometabolic risk. *Pediatrics (Evanston)*. Retrieved from <https://pediatrics.aappublications.org/content/early/2021/01/19/peds.2020-018903>
- Beck, A. F., Huang, B., Wheeler, K., Lawson, B., Kahn, R. S., & Riley, C. L. (2017). The Child Opportunity Index and disparities in pediatric asthma hospitalization across Ohio metropolitan area, 2011-2013. *The Journal of Pediatrics*, 190, 200-206.e201.
- Belanoff, C., Black, A., Ncube, C. N., Acevedo-Garcia, D., & Almeida, J. (2024). Neighborhood Child Opportunity and preterm birth rates by race and ethnicity. *JAMA network open*, 7(9), e2432766. <https://doi.org/10.1001/jamanetworkopen.2024.32766>
- Bergmann, K. R., Nickel, A., Hall, M., Cutler, G., Abuzzahab, M. J., Bretscher, B., . . . Hester, G. Z. (2022). Association of neighborhood resources and race and ethnicity with readmissions for diabetic ketoacidosis at US children's hospitals. *JAMA Network Open*, 5(5), e2210456-e2210456. doi:10.1001/jamanetworkopen.2022.10456

- Berry, J. G., Ferrari, L., Ward, V. L., Hall, M., Desmarais, A., Raval, M. V., Tian, Y., Mathieu, D., Incorvia, J., & Meara, J. G. (2024). Child Opportunity Index Disparities in Pediatric Surgical Encounters During the Coronavirus 2019 Pandemic. *Academic Pediatrics*, 24(1), 43-50. <https://doi.org/10.1016/j.acap.2023.08.012>
- Bettenhausen, J. L., Noelke, C., Ressler, R. W., Hall, M., Harris, M., Peltz, A., . . . Gay, J. C. (2021). The association of the Childhood Opportunity Index on pediatric readmissions and emergency department revisits. *Academic Pediatrics*. doi:10.1016/j.acap.2021.12.015
- Beyer, L., Keen, R., Ertel, K. A., Okuzono, S. S., Pintro, K., Delaney, S., & Slopen, N. (2024). Comparing two measures of neighborhood quality and internalizing and externalizing behaviors in the adolescent brain cognitive development study. *Social Psychiatry and Psychiatric Epidemiology*, 59(8), 1321-1334. <https://doi.org/10.1007/s00127-024-02614-4>
- Bouchard, M. E., Kan, K., Tian, Y., Casale, M., Smith, T., De Boer, C., . . . Ghomrawi, H. M. K. (2022). Association between neighborhood-level social determinants of health and access to pediatric appendicitis care. *JAMA Network Open*, 5(2), e2148865-e2148865. doi:10.1001/jamanetworkopen.2021.48865
- Brown, B., Nguyen, L. T., Morales, I., Cardinale, E. M., Tseng, W.-L., McKay, C. C., Kircanski, K., Brotman, M. A., Pine, D. S., Leibenluft, E., & Linke, J. O. (2024). Associations Between Neighborhood Resources and Youths' Response to Reward Omission in a Task Modeling Negatively Biased Environments. *Journal of the American Academy of Child and Adolescent Psychiatry*. <https://doi.org/10.1016/j.jaac.2024.05.011>
- Carroll, A. R., Hall, M., Noelke, C., Ressler, R. W., Brown, C. M., Spencer, K. S., Bell, D. S., Williams, D. J., & Fritz, C. Q. (2024). Association of neighborhood opportunity and pediatric hospitalization rates in the United States. *Journal of Hospital Medicine*, 19(2), 120-125. <https://doi.org/10.1002/jhm.13252>
- Chacon, M. A., Cook, C. A., Flynn-O'Brien, K., Zagory, J. A., Choi, P. M., & Wilson, N. A. (2024). Assessing the impact of neighborhood and built environment on pediatric perioperative care: A systematic review of the literature. *Journal of Pediatric Surgery*, 59(7), 1378-1387. <https://doi.org/10.1016/j.jpedsurg.2024.03.033>
- Cockrell, H. C., Shah, N. R., Krinock, D., Siddiqui, S. M., Englum, B. R., Meckmongkol, T. T., Koo, N., Murphy, J., Richards, M. K., & Martin, K. (2024). Health disparities research: What every pediatric surgeon should know. *Journal of Pediatric Surgery*, 161636. <https://doi.org/10.1016/j.jpedsurg.2024.07.021>
- Corbera-Hincapie, M. A., Kurland, K. S., Hincapie, M. R., Fabio, A., Weiner, D. J., Kim, S. C., & Kazmerski, T. M. (2021). Geospatial analysis of food deserts and their impact on health outcomes in children with cystic fibrosis. *Nutrients*, 13(11), 11. doi:10.3390/nu13113996
- D'Agostino, E. M., Zhao, A. Y., Zewdie, H. Y., Ogletree, S. S., Messiah, S. E., Armstrong, S. C., Skinner, A. C., Hipp, J. A., Day, S. E., Konty, K. J., & Neshteruk, C. D. (2023). Associations between neighborhood opportunity and indicators of physical fitness for New York City public school youth. *Child Obes.* <https://doi.org/10.1089/chi.2023.0079>
- Davis, D. W., Jawad, K., Feygin, Y. B., Stevenson, M., Wattles, B., Jones, V. F., Porter, J., Lohr, W. D., & Le, J. (2024). The Relationships Among neighborhood disadvantage, mental health and developmental disabilities diagnoses, and race/ethnicity in a U.S. urban location. *Child Psychiatry and Human Development*. <https://doi.org/10.1007/s10578-024-01751-w>
- Duong, S. Q., Elfituri, M. O., Zaniletti, I., Ressler, R. W., Noelke, C., Gelb, B. D., Pass, R. H., Horowitz, C. R., Seiden, H. S., & Anderson, B. R. (2023). Neighborhood Childhood Opportunity, race/ethnicity, and surgical outcomes in children with congenital heart disease. *Journal of the American College of Cardiology*, 82(9), 801-813. <https://doi.org/https://doi.org/10.1016/j.jacc.2023.05.069>
- Edelson, J., Lane-Fall, M., HUANG, J., Wang, Z., Mercer-Rosa, L. M., Mitchell, J., . . . O'Byrne, M. (2022). Abstract 11485: Neighborhood Childhood Opportunity Index is Associated With Impaired Exercise Performance in Pediatric Heart Transplant Patients. *Circulation*, 146(Suppl\_1), A11485-A11485. doi:doi:10.1161/circ.146.suppl\_1.11485
- Elansary, M., Wei, W. S., Pierce, L. J., McCoy, D. C., & Nelson, C. A. (2024). Association of neighborhood opportunity with infant brain activity and cognitive development. *Journal of Developmental and Behavioral Pediatrics*, 45(3), e217. <https://doi.org/10.1097/DBP.0000000000001249>
- Elhusseiny, A. M., Oke, I., Adomfeh, J., Chauhan, M. Z., & VanderVeen, D. K. (2023). Association of neighborhood environment with the outcomes of childhood glaucoma. *Ophthalmology Glaucoma*. doi:<https://doi.org/10.1016/j.ogla.2023.06.001>
- Ertel, K. A., Okuzono, S. S., Beyer, L. N., Pintro, K., Cuevas, A. G., & Slopen, N. (2024). Neighborhood Opportunity and obesity in early adolescence: Differential associations by sex. *Journal of Adolescent Health*, 75(2), 314-322. <https://doi.org/10.1016/j.jadohealth.2024.04.009>

- Fitzpatrick, A. M., Kavalieratos, D., Vickery, B. P., Lee, T., Mason, C., & Grunwell, J. R. (2024). Altered symptom perception in children with asthma is associated with poor childhood opportunity and adverse outcomes. *The journal of allergy and clinical immunology in practice (Cambridge, MA)*, 12(4), 983-990. <https://doi.org/10.1016/j.jaip.2023.12.022>
- Fraiman, Y. S., Stewart, J. E., & Litt, J. S. (2021). Race, language, and neighborhood predict high-risk preterm Infant Follow Up Program participation. *Journal of Perinatology*. doi:10.1038/s41372-021-01188-2
- French, S. A., Fan, Y., Kunin-Batson, A. S., Berge, J. M., Kohli, N., Lamm, R. Z., & Sherwood, N. E. (2021). Three-year changes in low-income children's physical activity: Prospective influence of neighborhood environment and parent supportive behavior. *The Journal of Pediatrics*: X, 6, 100066. doi:10.1016/j.ympdx.2021.100066
- Fritz, C. Q., Fleegler, E. W., DeSouza, H., Richardson, T., Kaiser, S. V., Sills, M. R., . . . Goyal, M. (2022). Child Opportunity Index and changes in pediatric acute care utilization in the COVID-19 pandemic. *Pediatrics (Evanston)*. doi:10.1542/peds.2021-053706
- Fritz, C. Q., Hall, M., Bettenhausen, J. L., Beck, A. F., Krager, M. K., Freundlich, K. L., . . . Williams, D. J. (2022). Child Opportunity Index 2.0 and acute care utilization among children with medical complexity. *Journal of Hospital Medicine*, 1-9. doi:10.1002/jhm.12810
- Garg, Sochet, Hernandez, Stockwell. "Association of the Child Opportunity Index and Inpatient Illness Severity in the United States, 2018-2019." [https://www.academicpedsjnl.net/article/S1876-2859\(23\)00473-4/fulltext](https://www.academicpedsjnl.net/article/S1876-2859(23)00473-4/fulltext)
- Gastineau, K. A. B., Williams, D. J., Hall, M., Goyal, M. K., Wells, J., Freundlich, K. L., . . . Barkin, S. (2021). Pediatric firearm-related hospital encounters during the SARS-CoV-2 pandemic. *Pediatrics*, 148(2), e2021050223. doi:10.1542/peds.2021-050223
- Georgeades, C., Bodnar, C., Bergner, C., & Van Arendonk, K. J. (2024). Association of complicated appendicitis with geographic and socioeconomic measures in children. *Surgery*. <https://doi.org/10.1016/j.surg.2024.07.044>
- Gilbert, S. (2018). Assessing disparities in asthma among children across neighborhoods of a large metropolitan area: The Child Opportunity Index. *Journal of Ethnic and Cultural Studies*, 5(2), 186-195. <https://doi.org/10.29333/ejecs/135>
- Gornik, A. E., Jacobson, L. A., Kalb, L. G., & Pritchard, A. E. (2024). If opportunity knocks: Understanding contextual factors' influence on cognitive systems. *Journal of Abnormal Child Psychology*, 52(4), 521-533. <https://doi.org/10.1007/s10802-023-01134-0>
- Gorovoy, S., Phan, S., Begay, T. K., Valencia, D., Hale, L., Robbins, R., Killgore, W. D. S., Williamson, A. A., & Grandner, M. (2024). Neighborhood-level sleep health and childhood opportunities. *Frontiers in Public Health*, 11, 1307630-1307630. <https://doi.org/10.3389/fpubh.2023.1307630>
- Gorovoy, S., Phan, S., Begay, T., Valencia, D., Hale, L., Killgore, W., Wills, C., & Grandner, M. (2022). Neighborhood-level sleep health and Childhood Opportunity Index at the census tract level: Comparison to other health indicators. *Sleep*, 45(Supplement\_1), A34-A34. <https://doi.org/10.1093/sleep/zsac079.072>
- Goulding, M., Ryan, G., Frisard, C., Stevens, E. M., Person, S., Goldberg, R., Garg, A., Lemon, S. C. (2023). Disparities in receipt of guideline-adherent blood pressure screening: An observational examination of electronic health record data from a Massachusetts healthcare system. *The Journal of Pediatrics*, 261, 113592. doi:<https://doi.org/10.1016/j.jpeds.2023.113592>
- Gueye-Ndiaye, S., Tully, M., Amin, R., Baldassari, C., Chervin, R. D., Cole, M., Ibrahim, S., Kirkham, E. M., Mitchell, R. B., Naqvi, K., Ross, K., Rueschman, M., Tapia, I. E., Williamson, A. A., Wei, Z., Rosen, C. L., Wang, R., & Redline, S. (2024). Neighborhood disadvantage, quality of life, and symptom burden in children with mild sleep-disordered breathing. *Annals of the American Thoracic Society*. <https://doi.org/10.1513/AnnalsATS.202307-653OC>
- Gunnar, M. R., Haapala, J., French, S. A., Sherwood, N. E., Seburg, E. M., Crain, A. L., & Kunin-Batson, A. S. (2022). Race/ethnicity and age associations with hair cortisol concentrations among children studied longitudinally from early through middle childhood. *Psychoneuroendocrinology*, 144, 105892-105892. doi:10.1016/j.psyneuen.2022.105892
- Hadley, S. M., & Michelson, K. A. (2024). Delayed diagnosis of new onset pediatric diabetes leading to diabetic ketoacidosis: a retrospective cohort study. *Diagnosis (Berlin, Germany)*. <https://doi.org/10.1515/dx-2024-0024>
- Harrington, S., Kwatra, N., Melvin, P., Tartarilla, A. B., Whitley, M. Y., Valencia, V. F., & Ward, V. L. (2024). Sociodemographic factors and Child Opportunity Index disparities associated with missed care opportunities in pediatric patients with lymphoma and leukemia referred for FDG-PET/CT. *Pediatric Radiology*, 54(6), 1022-1032. <https://doi.org/10.1007/s00247-024-05924-6>

- Heneghan, J. A., Goodman, D. M., & Ramgopal, S. (2022). Hospitalizations at United States children's hospitals and severity of illness by neighborhood Child Opportunity Index. *The Journal of Pediatrics*. doi:10.1016/j.jpeds.2022.10.018
- Hincapie, M. R., Corbera-Hincapie, M. A., Suresh, S., Alston, K., Butler, G., Fabio, A., & Ray, K. N. (2024). Primary care enhanced access services and the association with nonurgent pediatric emergency department utilization and Child Opportunity Index. *Pediatric Emergency Care*, 40(9), e209. <https://doi.org/10.1097/PEC.0000000000003213>
- Ho, B. J., Rucker, A., Boyle, M. D., Badolato, G. M., & Goyal, M. K. (2022). Relationship between food insecurity and neighborhood Child Opportunity Index. *The Journal of Pediatrics*. doi:10.1016/j.jpeds.2022.02.042
- Hoffman, A., Alvandi, L. M., Gjonbalaj, E., Lo, Y., Badrinath, R., Fornari, E. D., & Karkenny, A. J. (2024). Child Opportunity Index and diagnosis of developmental dysplasia of the hip: Insights from a children's hospital serving disadvantaged communities. *Journal of the American Academy of Orthopaedic Surgeons*, 32(17), 807-813. <https://doi.org/10.5435/JAAOS-D-24-00417>
- Hoffmann, J. A., Carter, C. P., Olsen, C. S., Chaudhari, P. P., Chaudhary, S., Duffy, S., Glomb, N., Goyal, M. K., Grupp-Phelan, J., Haasz, M., Katabchi, B., Kravitz-Wirtz, N., Lerner, E. B., Shihabuddin, B., Wendt, W., Cook, L. J., & Alpern, E. R. (2023). Pediatric firearm injury emergency department visits from 2017 to 2022: A multicenter study. *Pediatrics (Evanston)*. <https://doi.org/10.1542/peds.2023-063129>
- Kaalund, K., Thoumi, A., Bhavsar, N. A., Labrador, A., & Cholera, R. (2022). Assessment of population-level disadvantage indices to inform equitable health policy. *The Milbank Quarterly*. doi:10.1111/1468-0009.12588
- Kaiser, S. V., Hall, M., Bettenhausen, J. L., Sills, M. R., Hoffmann, J. A., Noelke, C., . . . Parikh, K. (2022). Neighborhood Child Opportunity and emergency department utilization. *Pediatrics*. doi:10.1542/peds.2021-056098
- Kersten, E. E., Adler, N. E., Gottlieb, L., Jutte, D. P., Robinson, S., Roundfield, K., & LeWinn, K. Z. (2018). Neighborhood Child Opportunity and individual-level pediatric acute care use and diagnoses. *Pediatrics (Evanston)*, 141(5), e20172309. doi:10.1542/peds.2017-2309
- Kim, H. A., Yu, A. G., Kim, N. P., Iqbal, M. S., & Butts, R. (2024). Lower opportunity ZIP code is associated with worse outcomes after listing in pediatric heart transplantation. *The Journal of Heart and Lung Transplantation*, 43(8), 1298-1307. <https://doi.org/10.1016/j.healun.2024.04.059>
- Kolwaite, A. R., Edwards, J. A., Higgins, M., Kandaswamy, S., Orenstein, E., Boughton, D., Zinyandu, T., Brasher, S., Shashidharan, S., Thompson, L. M., & Chanani, N. K. (2024). Associations between Child Opportunity Index and pediatric cardiac surgical outcomes. *The Journal of Pediatrics*, 270, 114000-114000. <https://doi.org/10.1016/j.jpeds.2024.114000>
- Koob, C., Griffin, S. F., Cartmell, K., Rennert, L., & Sease, K. (2024). Examining outpatient occupational therapy utilization among children and youth with special health care needs in South Carolina: A structural equation model of individual- and community-level factors. *Disability and Health journal*, 101687. <https://doi.org/10.1016/j.dhjo.2024.101687>
- Koob, C., Stuenkel, M., Gagnon, R. J., Griffin, S. F., & Sease, K. (2024). Examining patient- and community-level factors associated with pediatric mental healthcare access within a patient navigation program. *Community Mental Health Journal*, 60(6), 1055-1067. <https://doi.org/10.1007/s10597-024-01258-7>
- Krager, M., Puls, H., Bettenhausen, J., Hall, M., Noelke, C., Plencner, L., . . . Beck, A. (2021). The Child Opportunity Index 2.0 and Hospitalizations for Ambulatory Care Sensitive Conditions. *Pediatrics*, 148(2). doi:10.1542/peds.2020-032755
- Kwon, E. G., Nehra, D., Hall, M., Herrera-Escobar, J. P., Rivara, F. P., & Rice-Townsend, S. E. (2023). The association between Childhood Opportunity Index and pediatric hospitalization for firearm injury or motor vehicle crash. *Surgery*. <https://doi.org/10.1016/j.surg.2023.04.011>
- Levine, D. A., Oh, P. S., Nash, K. A., Simmons, W., Grinspan, Z. M., Abramson, E. L., Platt, S. L., & Green, C. (2023). Pediatric Mental Health Emergencies During 5 COVID-19 Waves in New York City. *Pediatrics*, e2022060553. <https://publications.aap.org/pediatrics/article/doi/10.1542/peds.2022-060553/194470/Pediatric-Mental-Health-Emergencies-During-5-COVID?autologincheck=redirected>
- Lines, L., Long, M., Zangeneh, S., DePriest, K., Piontak, J., Humphrey, J., & Subramanian, S. (2023). Composite indices of social determinants of health: Overview, measurement gaps, and research priorities for health equity. *Population Health Management*, 26, 332-340. <https://doi.org/10.1089/pop.2023.0106>

- LoCasale-Crouch, J., Wallace, M. K., Heeren, T., Kerr, S., Yue, Y., Deeken, G., Turnbull, K., Jaworski, B., Mateus, M. C., Moon, R., Hauck, F. R., Kellams, A., Colson, E., & Corwin, M. J. (2024). The importance of community resources for breastfeeding. *International Breastfeeding Journal*, 19(1), 16-16. <https://doi.org/10.1186/s13006-024-00623-2>
- Lui, J. H. L., Chen, B. C., Benson, L. A., Lin, Y.-J. R., Ruiz, A., & Lau, A. S. (2023). Inpatient care utilization following mobile crisis response encounters among racial/ethnic minoritized youth. *Journal of the American Academy of Child & Adolescent Psychiatry*. doi:<https://doi.org/10.1016/j.jaac.2023.06.021>
- Macy, M. L., Smith, T. L., Cartland, J., Golbeck, E., & Davis, M. M. (2021). Parent-reported hesitancy to seek emergency care for children at the crest of the first wave of COVID-19 in Chicago. *Academic Emergency Medicine*. doi:[10.1111/acem.14214](https://doi.org/10.1111/acem.14214)
- Maholtz, D., Page-Goertz, C. K., bes, M. L., Nofziger, R. A., Bigham, M., McKee, B., Ramgopal, S., & Pelletier, J. H. (2024). Association between the COI and excess health care utilization and costs for ACSC. *Hospital pediatrics*, 14(7), 592. <https://doi.org/10.1542/hpeds.2023-007526>
- Mayourian, J., Brown, E., Javalkar, K., Bucholz, E., Gauvreau, K., Beroukhim, R., Feins, E., Kheir, J., Triedman, J., & Dionne, A. (2023). Insight into the role of the Child Opportunity Index on surgical outcomes in congenital heart disease. *The Journal of Pediatrics*, 113464-113464. <https://doi.org/10.1016/j.jpeds.2023.113464>
- Mayourian, J., Brown, E., Javalkar, K., Bucholz, E., Gauvreau, K., Beroukhim, R., . . . Dionne, A. (2022). Insight into the role of socioeconomic status and Child Opportunity on surgical outcomes in congenital heart disease. *Journal of the American College of Cardiology*, 79(9\_Supplement), 1356-1356. doi:[10.1016/S0735-1097\(22\)02347-6](https://doi.org/10.1016/S0735-1097(22)02347-6)
- McCollister, K., Berry, J. G., Melvin, P., Tartarilla, A. B., Nuzzi, L. C., Lajoie, D., Meara, J. G., & Ward, V. L. (2024). Effects of sociodemographic and Child Opportunity Index on pediatric plastic and oral and maxillofacial surgical volume trends in the COVID-19 pandemic. *Plastic and Reconstructive Surgery-Global open*, 12(4), E5707-e5707. <https://doi.org/10.1097/GOX.0000000000005707>
- McCrory, Akande, Slain, Kennedy, Winter, Stottlemire, et al. "Child Opportunity Index and Pediatric Intensive Care Outcomes: A Multicenter Retrospective Study in the United States." [https://journals.lww.com/pccmjournal/abstract/9900/child\\_opportunity\\_index\\_and\\_pediatric\\_intensive.291.aspx](https://journals.lww.com/pccmjournal/abstract/9900/child_opportunity_index_and_pediatric_intensive.291.aspx)
- McCrory, M. C., Akande, M., Slain, K. N., Kennedy, C. E., Winter, M. C., Stottlemire, M. G., Wakeham, M. K., Barnack, K. A., Huang, J. X., Sharma, M., Zurca, A. D., Pinto, N. P., Dziorny, A. C., Maddux, A. B., Garg, A., Woodruff, A. G., Hartman, M. E., Timmons, O. D., Heidersbach, R. S., . . . Saha, A. K. (2024). Child Opportunity Index and pediatric intensive care outcomes: A multicenter retrospective study in the United States. *Pediatric Critical Care Medicine*, 25(4), 323-334. <https://doi.org/10.1097/PCC.0000000000003427>
- Metelski, J. L., Allen, K. Y., Barrera, L., Heffernan, M., Hinkle, C. D., Parikh, P., & Foster, C. C. (2024). Predictors of psychosocial adaptation in children with CHD. *Cardiology in the Young*, 1-5. <https://doi.org/10.1017/S1047951124000593>
- Michelson, K. A., Bachur, R. G., Rangel, S. J., Finkelstein, J. A., Monuteaux, M. C., & Goyal, M. K. (2024). Disparities in diagnostic timeliness and outcomes of pediatric appendicitis. *JAMA network open*, 7(1), E2353667-e2353667. <https://doi.org/10.1001/jamanetworkopen.2023.53667>
- Min, J., Bonett, S., Tam, V., Makeneni, S., Goldstein, N. D., & Wood, S. (2024). Geospatial disparities in youth sexually transmitted infections during COVID-19. *American Journal of Preventive Medicine*. <https://doi.org/10.1016/j.amepre.2024.02.016>
- Min, J., Tam, V., Fein, J. A., Vasan, A., Griffis, H. M., Krass, P., & Doupnik, S. K. (2024). Psychosocial risks and adolescent mental health: The moderating role of objective neighborhood characteristics. *Journal of Adolescent Health*, 75(3), 442-450. <https://doi.org/10.1016/j.jadohealth.2024.05.025>
- Najjar, N., Opolka, C., Fitzpatrick, A. M., & Grunwell, J. R. (2022). Geospatial analysis of social determinants of health identifies neighborhood hot spots associated with pediatric intensive care use for acute respiratory failure requiring mechanical ventilation. *Pediatric Critical Care Medicine*, 23(8). Retrieved from [https://journals.lww.com/pccmjournal/Fulltext/2022/08000/Geospatial\\_Analysis\\_of\\_Social\\_Determinants\\_of.4.aspx](https://journals.lww.com/pccmjournal/Fulltext/2022/08000/Geospatial_Analysis_of_Social_Determinants_of.4.aspx)
- Ni, Y., Loftus, C. T., Szpiro, A. A., Young, M. T., Hazlehurst, M. F., Murphy, L. E., . . . Karr, C. J. (2022). Associations of Pre- and Postnatal Air Pollution Exposures with Child Behavioral Problems and Cognitive Performance: A U.S. Multi-Cohort Study. *Environmental Health Perspectives*, 130(6), 67008-67008. doi:[10.1289/EHP10248](https://doi.org/10.1289/EHP10248)

- Orellana, K. J., Lee, J., Yang, D., Hauth, L., & Flynn, J. M. (2024). Impact of social determinants of health on adolescent idiopathic scoliosis curve severity. *Journal of Pediatric Orthopaedics*, 44(2), e168-e173. <https://doi.org/10.1097/bpo.0000000000002529>
- Ou, J. Y., Kaddas, H. K., Alonzo, T. A., Spector, L. G., Fallahazad, N., Owens, E., Collin, L. J., Green, A. L., & Kirchhoff, A. C. (2024). Sociodemographic factors correlate with late stage pediatric hodgkin lymphoma and rhabdomyosarcoma: A report from the Children's oncology group registries. *Cancer Epidemiology, Biomarkers & Prevention*. <https://pubmed.ncbi.nlm.nih.gov/39083086/>
- Oyegoke, S., Hughes, P. M., & Gigli, K. H. (2024). Neighborhood-level social determinants of health and adolescent mental health. *Academic Pediatrics*. <https://doi.org/10.1016/j.acap.2024.08.008>
- Parikh, K., Lopez, M. A., Hall, M., Bettenhausen, J., Sills, M. R., Hoffmann, J., Morse, R., Shah, S. S., Noelke, C., & Kaiser, S. V. (2023). Child Opportunity Index and rehospitalization for ambulatory care sensitive conditions at US children's hospitals. *Hosp Pediatr*. <https://doi.org/10.1542/hpeds.2023-007279>
- Peng, J., Gorham, T. J., & Meyer, B. D. (2024). Predicting dental general anesthesia use among children with behavioral health conditions. *JDr Clinical and Translational Research*, 23800844241252817. <https://doi.org/10.1177/23800844241252817>
- Peterson, R. K., Choi, J. H. S., Jacobson, L. A., Acharya, S., & King, T. Z. (2024). Neighborhood resources are associated with neuropsychological outcomes among pediatric brain tumor survivors. *Clinical Neuropsychologist*, 1-16. <https://doi.org/10.1080/13854046.2024.2399843>
- Putnick, D. L., Bell, E. M., Tyris, J., McAdam, J., Ghassabian, A., Mendola, P., Sundaram, R., & Yeung, E. (2024). Place-based child opportunity at birth and child development from infancy to age 4. *The Journal of Pediatrics*, 267, 113909-113909. <https://doi.org/10.1016/j.jpeds.2024.113909>
- Radzik, A. M., Amezcua, L., Anderson, A., Gilmore, S., Ahmad, S., Brandstadter, R., Fabian, M. T., Graham, E. L., Hodgkinson, S., Horton, L., Jacobs, D. A., Katz Sand, I. B., Kohli, A., Levine, L., McLemore, M., Okai, A. F., Patel, J., Poole, S., Riley, C., . . . Bove, R. (2024). Disparities by race in pregnancy care and clinical outcomes in women with multiple sclerosis: A diverse multicenter cohort. *Neurology*, 102(4), e208100. <https://doi.org/10.1212/WNL.00000000000208100>
- Ramachandran, J., Mayne, S. L., Kelly, M. K., Powell, M., McPeak, K. E., Dalembert, G., Jenssen, B. P., & Fiks, A. G. (2023). Measures of Neighborhood Opportunity and adherence to recommended pediatric primary care. *JAMA Network Open*, 6(8). <https://doi.org/https://doi.org/10.1001/jamanetworkopen.2023.30784>
- Ramgopal, S., Crowe, R. P., Jaeger, L., Fishe, J., Macy, M. L., & Martin-Gill, C. (2024). Measures of patient acuity among children encountered by emergency medical services by the Child Opportunity Index. *Prehospital Emergency Care*, 1-9. <https://doi.org/10.1080/10903127.2024.2333493>
- Ramgopal, S., Jaeger, L., Cercone, A., Martin-Gill, C., & Fishe, J. (2022). The Child Opportunity Index and pediatric emergency medical services utilization. *Prehospital Emergency Care*, 1-8. doi:10.1080/10903127.2022.2076268
- Reddy, A. R. (2024). Child Opportunity Index is associated with pediatric firearm injury in Philadelphia, Pennsylvania. *Frontiers In Public Health*, 12, 1339334-1339334. <https://doi.org/10.3389/fpubh.2024.1339334>
- Rodriguez, V. A., Goodman, D. M., Bayldon, B., Budin, L., Michelson, K. N., Garfield, C. F., . . . Schroeder, S. K. (2019). Pediatric readmissions within 3 days of discharge: Preventability, contributing factors, and necessity. *Hospital Pediatrics*, 9(4), 241-248. doi:10.1542/hpeds.2018-0159
- Roubinov, D. S., Hagan, M. J., Boyce, W. T., Adler, N. E., & Bush, N. R. (2018). Family socioeconomic status, cortisol, and physical health in early childhood: The role of advantageous neighborhood characteristics. *Psychosomatic Medicine*, 80(5), 492-501. doi:10.1097/psy.0000000000000585.
- Sarnthiyakul, S., Ross, E. E., Ourshalmian, S., Spurrier, R. G., & Chaudhari, P. P. (2023). Neighborhood deprivation and childhood opportunity indices are associated with violent injury among children in Los Angeles County. *J Trauma Acute Care Surg*, 95(3), 397-402. <https://doi.org/10.1097/ta.0000000000003860>
- Schultz, C. L., McCahan, S. M., Lewis, A. M., Bunnell, H. T., & Alderfer, M. A. (2021). Online patient portal use by caregivers in pediatric oncology: Are we widening sociodemographic disparities? *Pediatric Blood & Cancer*, 68, 12. doi:10.1002/pbc.29373
- Shanahan, K. H., Subramanian, S. V., Burdick, K. J., Monuteaux, M. C., Lee, L. K., & Fleegler, E. W. (2022). Association of neighborhood conditions and resources for children with life expectancy at birth in the US. *JAMA Network Open*, 5(10), e2235912-e2235912. doi:10.1001/jamanetworkopen.2022.35912

- Skeen, E. H., Moore, C. M., Federico, M. J., Seibold, M. A., Liu, A. H., & Hamlington, K. L. (2024). The Child Opportunity Index 2.0 and exacerbation-prone asthma in a cohort of urban children. *Pediatric Pulmonology*, 59(7), 1894-1904. <https://doi.org/10.1002/ppul.26998>
- Slopen, N., Cosgrove, C., Acevedo-Garcia, D., Hatzenbuehler, M. L., Shonkoff, J. P., & Noelke, C. (2023). Neighborhood opportunity and mortality among children and adults in their households. *Pediatrics (Evanston)*, 151(4), e2022058316. <https://doi.org/10.1542/peds.2022-058316>
- Srinivas, S., Henderson, K., Griffin, K. L., Thomas, E., Wood, R. J., Langer, J. C., & Halaweish, I. (2024). Rates of Hirschsprung-associated enterocolitis decrease with increasing Child Opportunity Index. *Journal of Pediatric Surgery*, 59(7), 1240-1244. <https://doi.org/10.1016/j.jpedsurg.2024.03.020>
- Sullivan, G. A., Tian, Y., Royan, R., Huang, L. W., Rydland, K. J., Rogers, S. O., Kabre, R., Mason, M., Raval, M. V., & Stey, A. M. (2024). Neighborhood racial and ethnic predominance, Child Opportunity, and violence-related mortality among children and adolescents in Chicago. *Journal of Urban Health*. <https://doi.org/10.1007/s11524-024-00907-2>
- Tan, J. M., Garcia-Marcinkiewicz, A. G., & Simpao, A. F. (2024). The Child Opportunity Index: Another dimension of addressing perioperative disparities in anesthesiology. *Anesthesiology (Philadelphia)*, 141(4), 629. <https://doi.org/10.1097/ALN.0000000000005081>
- Thorpe, D., & Klein, D. N. (2022). The effect of neighborhood-level resources on children's physical development: Trajectories of Body Mass Index and pubertal development and the influence of child biological sex. *Journal of Youth and Adolescence*. doi:10.1007/s10964-021-01547-4
- Tyris, J., Boggs, K., Bost, J., Dixon, G., Gayle, T., Harahsheh, A. S., . . . Parikh, K. (2022). Examining the association between MIS-C and the Child Opportunity Index at a single center. *Hospital Pediatrics*, 12(10), e342-e348. doi:10.1542/hpeds.2022-006524
- Tyris, J., Putnick, D. L., Bell, E. M., McAdam, J., Lin, T.-C., Parikh, K., & Yeung, E. (2024). Child Opportunity Index mobility, recurrent wheezing, and asthma in early childhood: A population-based prospective cohort study. *The Journal of Pediatrics*, 272, 114121. <https://doi.org/10.1016/j.jpeds.2024.114121>
- Tyris, J., Putnick, D. L., Parikh, K., Lin, T.-C., Sundaram, R., & Yeung, E. H. (2024). Place-based opportunity and well child visit attendance in early childhood. *Academic Pediatrics*. <https://doi.org/10.1016/j.acap.2024.06.012>
- Wang, A. P., Griffith, G., Otto-Meyer, S., & Ward, K. (2024). The Child Opportunity Index 2.0 and disparities in pediatric cardiorespiratory fitness. *The Journal of Pediatrics*, 268, 113964-113964. <https://doi.org/10.1016/j.jpeds.2024.113964>
- Wattles, B. A., Feygin, Y., Jawad, K. S., Stevenson, M. D., Vidwan, N. K., Blatt, D. B., Davis, D.W., Creel, L. M., Porter, J. M., Jones, V. F., Smith, M. J. (2023). Use of the Child Opportunity Index to examine racial variations in outpatient antibiotic prescribing to children. *The Journal of Pediatrics*, 261, 113572. doi:<https://doi.org/10.1016/j.jpeds.2023.113572>
- Wells, J. M., Gorham, T., Kalady, S. E., & Chisolm, D. J. (2024). Social Determinants pediatric primary care telehealth and in-office visits during the SARS-CoV-2 pandemic. *Academic Pediatrics*. <https://pubmed.ncbi.nlm.nih.gov/39197576/>
- Yu, A. G., Hall, M., Agharokh, L., Lee, B. C., Zaniletti, I., Wilson, K. M., & Williams, D. J. (2022). Hospital-Level Neighborhood Opportunity and Rehospitalization for Common Diagnoses at U.S. Children's Hospitals. *Academic Pediatrics*. doi:10.1016/j.acap.2022.05.008
- Zaidi, A. H., Saleeb, S. F., Gurvitz, M., Bucholz, E., Gauvreau, K., Jenkins, K. J., & de Ferranti, S. D. (2024). Social determinants of health including Child Opportunity Index leading to gaps in care for patients with significant congenital heart disease. *Journal of the American Heart Association*, 13(4), e028883-e028883. <https://doi.org/10.1161/JAHA.122.028883>
- Zewdie, H., Zhao, A. Y., Patel, H. H., Hansen, E., Messiah, S. E., Armstrong, S. C., . . . D'Agostino, E. M. (2021). The association between neighborhood quality, youth physical fitness, and modifiable cardiovascular disease risk factors. *Annals of Epidemiology*, 57, 30-39. doi:10.1016/j.annepidem.2021.02.004
- Zolotor, A., Huang, R. W., Bhavsar, N. A., & Cholera, R. (2024). Comparing social disadvantage indices in pediatric populations. *Pediatrics (Evanston)*, 154(3), 1. <https://doi.org/10.1542/peds.2023-064463>

## Peer-reviewed Articles – Housing

- Acevedo-Garcia, D., McArdle, N., Hardy, E., Dillman, K.-N., Reece, J., Crisan, U. I., Norris, D., & Osypuk, T. L. (2016). Neighborhood opportunity and location affordability for low-income renter families. *Housing Policy Debate*, 26(4-5), 607-645. <https://doi.org/10.1080/10511482.2016.1198410>
- Besbris, M., Kuk, J., Owens, A., & Schachter, A. (2022). Predatory inclusion in the market for rental housing: A multicity empirical test. *Socius: Sociological Research for a Dynamic World*, 8. doi:10.1177/23780231221079001
- Blatt, L. R., Sadler, R. C., Jones, E. J., Miller, P., Hunter-Rue, D. S., & Votruba-Drzal, E. (2024). Historical Structural Racism in the Built Environment and Contemporary Children's Opportunities. *Pediatrics*. <https://doi.org/10.1542/peds.2023-063230>
- Carrillo, L., Pattillo, M., Hardy, E., & Acevedo-Garcia, D. (2016). Housing decisions among low-income Hispanic households in Chicago. *Cityscape (Washington, D.C.)*, 18(2), 109-150.
- Khaleel, S., & Hanlon, B. (2023). The rise of single-family rentals and the relationship to opportunity neighbourhoods for low-income families with children. *Urban Studies*, 00420980231155809.
- Kim, H., Schmidt, N. M., Osypuk, T. L., Thyden, N., & Rehkopf, D. (2022). Effects of housing vouchers on the long-term exposure to neighbourhood opportunity among low-income families: the moving to opportunity experiment. *Housing Studies*, 1-24. doi:10.1080/02673037.2022.2112154
- Osypuk, T. L., Gailey, S., Schmidt, N. M., & Acevedo Garcia, D. (2024). Does poor health influence residential selection? Understanding mobility among low-income housing voucher recipients in the moving to opportunity study. *Housing Policy Debate*, 1-30. <https://doi.org/10.1080/10511482.2023.2301336>
- Schmidt, N. M., Glymour, M. M. G., & Osypuk, T. L. (2020). Does the temporal pattern of moving to a higher quality neighborhood across a 5-year period predict psychological distress among adolescents? Results from a federal housing experiment. *American Journal of Epidemiology*. doi:10.1093/aje/kwaa256
- Shanahan, K. H., James, P., Rifas-Shiman, S. L., Gold, D. R., Oken, E., & Aris, I. M. (2023). Neighborhood conditions and resources in mid-childhood and dampness and pests at home in adolescence. *The Journal of Pediatrics*, 262, 113625. doi:<https://doi.org/10.1016/j.jpeds.2023.113625>

## Peer-reviewed Articles – Early Childhood, Education and Parenting

- Burt, S. A., Thaler, D., Shewark, E. A., Pearson, A. L., Anaya, C., Tomlinson, R. C., . . . Lonstein, J. S. (2022). Illuminating associations between parenting and deleterious neighborhood characteristics via exhaustive modeling. *Journal of Marriage and Family*, n/a(n/a). doi:10.1111/jomf.12871
- Cubides-Mateus, D. M., LoCasale-Crouch, J., & Turnbull, K. L. P. (2023). Do neighborhood resources mitigate family risk to preschool children's executive function skills growth? *Prevention science*, 24(1), 115-125. <https://doi.org/10.1007/s11121-022-01480-3>
- Hanno, E. C., Gardner, M., Jones, S. M., & Lesaux, N. K. (2022). An ecological perspective on early educator well-being at the start of the COVID-19 pandemic. *Early Childhood Research Quarterly*, 60, 214-225. doi:10.1016/j.ecresq.2022.02.002
- Lenahan, T., LoCasale-Crouch, J., Chamberlain, C., Williford, A., Downer, J., Whittaker, J., & Miller, L. (2022). Examining the association between neighborhood conditions and school readiness across low and highly segregated school attendance boundaries. *Frontiers in Education*, 7. doi:10.3389/feduc.2022.932558
- Opara, I., Thorpe, D., & Lardier, D. T. (2022). School absenteeism and neighborhood deprivation and threat: Utilizing the Child Opportunity Index to assess for neighborhood-level disparities in Passaic County, NJ. *Urban education (Beverly Hills, Calif.)*, 4208592211257. <https://doi.org/10.1177/00420859221125704>
- Shonkoff, J. P., Slopen, N., & Williams, D. R. (2021). Early childhood adversity, toxic stress, and the impacts of racism on the foundations of health. *Annual Review of Public Health*, 42, 115-134. doi:10.1146/annurev-publhealth-090419-101940

## Peer-reviewed Articles – Analysis and Comparisons of Neighborhood Indices

- Acevedo-Garcia, D., Noelke, C., McArdle, N., Sofer, N., Hardy, E., Weiner, M., . . . Reece, J. (2020). Racial and ethnic inequities in children's neighborhoods: Evidence from the new Child Opportunity Index 2.0. *Health Affairs (Project Hope)*, 39(10), 1693-1701. doi:10.1377/hlthaff.2020.00735
- Blatt, Sadler, Jones, Miller, Hunter-Rue, Votruba-Drzal. "Historical structural racism in the built environment and contemporary children's opportunities." <https://publications.aap.org/pediatrics/article/doi/10.1542/peds.2023-063230/196398/Historical-Structural-Racism-in-the-Built>
- Brazil, N., Wagner, J., & Ramil, R. (2022). Measuring and mapping neighborhood opportunity: A comparison of opportunity indices in California. *Environment and Planning B: Urban Analytics and City Science*. doi:10.1177/23998083221129616
- Ferrara, P., Cammisa, I., Zona, M., Corsello, G., Giardino, I., Vural, M., Bali, D., Pastore, M., Pettoello-Mantovani, M. (2023). Child Opportunity Index: A multidimensional indicator to measure neighborhood conditions influencing children's health. *The Journal of Pediatrics*, 113649-113649. doi:10.1016/j.jpeds.2023.113649
- Lines, L., Long, M., Zangeneh, S., DePriest, K., Piontak, J., Humphrey, J., & Subramanian, S. (2023). Composite indices of social determinants of health: Overview, measurement gaps, and research priorities for health equity. *Population Health Management*, 26, 332-340. <https://doi.org/10.1089/pop.2023.0106>
- Mast, B. D., & Din, A. (2021). Measuring neighborhood opportunity with Opportunity Atlas and Child Opportunity Index 2.0 data. *Cityscape*, 23(1), 237-256. Retrieved from <https://www.jstor.org/stable/26999947>
- Ressler, R. W., Weiner, M., & Acevedo-Garcia, D. (2023). In conversation with equity: Qualitatively engaging quantitative data for equitable social impact. *Public Integrity*, 1-19. <https://doi.org/10.1080/10999922.2023.2264413>
- Sandel, M., Faugno, E., Mingo, A., Cannon, J. B. S., Byrd, K., Garcia, D. A., . . . Jarrett, R. B. (2016). Neighborhood-level interventions to improve Childhood Opportunity and lift children out of poverty. *Academic Pediatrics*, 16(3), S128-S135. doi:10.1016/j.acap.2016.01.013
- Trinidad, S., Brokamp, C., Mor Huertas, A., Beck, A. F., Riley, C. L., Rasnik, E., . . . Kotagal, M. (2022). Use of area-based socioeconomic deprivation indices: A scoping review and qualitative analysis. *Health Affairs*, 41(12), 1804-1811. doi:10.1377/hlthaff.2022.00482

## Reports, Community Health Needs Assessments and Resources

- AEI-Brookings Working Group on Childhood in the United States. (2022). *Rebalancing: Children First*. Retrieved from [https://www.brookings.edu/wp-content/uploads/2022/02/ES\\_20220228\\_Rebalancing\\_Children\\_First.pdf](https://www.brookings.edu/wp-content/uploads/2022/02/ES_20220228_Rebalancing_Children_First.pdf).
- Alliance for Health Equity. (2019). *Community Health Needs Assessment for Chicago and suburban Cook county*. Retrieved from [https://allhealthequity.org/wp-content/uploads/2019/06/FINAL\\_2019\\_CHNA-Report\\_Alliance-for-Health-Equity.pdf](https://allhealthequity.org/wp-content/uploads/2019/06/FINAL_2019_CHNA-Report_Alliance-for-Health-Equity.pdf)
- Ann and Robert H. Lurie Children's Hospital of Chicago. (2019). *2019 Community Health Needs Assessment for Chicago youth, adolescents and families*. Retrieved from <https://www.luriechildrens.org/globalassets/documents/luriechildrens.org/community/community-health-needs-assessment/chna-2019.pdf>
- Chicago Department of Public Health. (2019). *Healthy Chicago 2025 Data Compendium*. Retrieved from [https://www.chicago.gov/content/dam/city/depts/cdph/CDPH/Healthy\\_Chicago\\_2025\\_Data-Compendium\\_10222019.pdf](https://www.chicago.gov/content/dam/city/depts/cdph/CDPH/Healthy_Chicago_2025_Data-Compendium_10222019.pdf)
- Churchwell, K. B., & Williams, M. A. (2022). Every child deserves good health. That requires urgent action on equity. *The Boston Globe*. Retrieved from <https://www.bostonglobe.com/2022/04/05/opinion/every-child-deserves-good-health-that-requires-urgent-action-equity/>
- Commonwealth of Massachusetts. (2021). Supporting Neighborhood Opportunity in Massachusetts (SNO Mass) Program. Retrieved from <https://www.mass.gov/info-details/supporting-neighborhood-opportunity-in-massachusetts-sno-mass-program>

- Commonwealth of Massachusetts Department of Housing and Community Development. (2019). *Moving to work program: Annual report for fiscal year 2019*. Retrieved from <https://www.hud.gov/sites/dfiles/PIH/documents/MassFY19Report.pdf>
- Curley, A. M., Graves, E. M., & Weismann, G. (2019). *Barriers and opportunities in the housing voucher program: The importance of race in the housing search process*. Retrieved from <https://www.bostonfed.org/publications/community-development-issue-briefs/2019/barriers-opportunities-housing-voucher-program.aspx>
- Davey Resource Group Inc. (2020). *2020 State of Canopy report*. Retrieved from [https://www.akronohio.gov/cms/resource\\_library/files/581087c52852896c/2021\\_akron\\_urban\\_tree\\_canopy\\_assessment\\_and\\_planting\\_plan.pdf](https://www.akronohio.gov/cms/resource_library/files/581087c52852896c/2021_akron_urban_tree_canopy_assessment_and_planting_plan.pdf)
- Dircksen, J. C., & Prachand, N. G. (2016). *Healthy Chicago 2.0: Partnering to improve health equity*. Retrieved from <https://www.chicago.gov/content/dam/city/depts/cdph/CDPH/Healthy%20Chicago/HC2.0Upd4152016.pdf>
- Dwyer, G. (2021). *Neighborhoods of focus: 2022 Community Health Needs Assessment focus neighborhoods have been identified using the Child Opportunity Index*. Retrieved from <https://storymaps.arcgis.com/stories/06f3afd29a7340048018a4249d9695b9>
- Health Impact Collaborative of Cook County. (2016). *Community Health Needs Assessment Central Region*. Retrieved from <https://www.loyolamedicine.org/sites/default/files/community-health-needs-assessment-june2016.pdf>
- Health Impact Collaborative of Cook County. (2016). *Community Health Needs Assessment North Region*. Retrieved from [https://www.advocatehealth.com/assets/documents/hiccc-north-region-chna-report-with-appendices\\_31october2016.pdf](https://www.advocatehealth.com/assets/documents/hiccc-north-region-chna-report-with-appendices_31october2016.pdf)
- Iruka, I. U., Kaplan, R., Suggs, M., Kotz, R. (2024). *Start with Equity: NC Early Childhood Education Equity Analyses Project*. UNC Frank Porter Graham Child Development Institute. [https://equity-coalition.fpg.unc.edu/wp-content/uploads/LG23037-II-FPG-ERAC-Start-w-Equity-NC-Project-Report-Final-03-01-24\\_web.pdf](https://equity-coalition.fpg.unc.edu/wp-content/uploads/LG23037-II-FPG-ERAC-Start-w-Equity-NC-Project-Report-Final-03-01-24_web.pdf)
- Juvenile Welfare Board of Pinellas County. (2018). Kids Data Center, Pinellas Child Opportunity Index. Retrieved from <https://www.jwbpinellas.org/kids-data-center/>
- Kim, J., & Loh, T. H. (2020). *How we define 'need' for place-based policy reveals where poverty and race intersect*. Retrieved from <https://www.brookings.edu/research/how-we-define-need-for-place-based-policy-reveals-where-poverty-and-race-intersect/>
- Le, T., Muña, E., Treuhaft, S., & Phillips, R. (2022). *The Shrinking Geography of Opportunity in Metro America*. PolicyLink/USC Equity Research Institute, National Equity Atlas. Retrieved from <https://nationalequityatlas.org/shrinking-geography-of-opportunity>
- Loyola University Medical Center. (2019). *Community Health Needs Assessment 2019*. Retrieved from [https://loyolamedicine.org/sites/default/files/2019\\_chna\\_report\\_lumc.pdf](https://loyolamedicine.org/sites/default/files/2019_chna_report_lumc.pdf)
- New Hampshire Legal Assistance. (2021). *Analysis of impediments to Fair Housing Choice in New Hampshire*. Retrieved from <https://www.nhhfa.org/wp-content/uploads/2021/04/2020-Analysis-Impediments-Fair-Housing-ChoiceNH.pdf>
- National Academies of Sciences, Engineering, and Medicine. (2023). *Closing the Opportunity Gap for Young Children*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/26743>
- National Scientific Council on the Developing Child. (2023). *Place Matters: The Environment We Create Shapes the Foundations of Healthy Development*. Working Paper 16. [https://harvardcenter.wppenginepowered.com/wp-content/uploads/2023/03/HCDC\\_WP16\\_R2A.pdf](https://harvardcenter.wppenginepowered.com/wp-content/uploads/2023/03/HCDC_WP16_R2A.pdf)
- Project Hope. (2020). *Selecting indicators for early childhood systems change projects*. Retrieved from <https://www.movinghealthcareupstream.org/wp-content/uploads/2020/09/Indicator-Reference-Guide-FINAL.pdf>
- Qin, A., Reagor, C., & Boehm, J. *Housing vouchers are meant to give low-income tenants choices about where to live and a chance to move to a better neighborhood. That doesn't happen often*. Retrieved from <https://www.azcentral.com/in-depth/money/real-estate/2022/08/16/housing-voucher-use-metro-phoenix-concentrated-mostly-lower-income-areas/10158391002/>
- Rackers, H., Habteselasse, S., Lantos, H., & Redd, Z. *A Review of Tools Measuring Opportunity in the United States*. Retrieved from <http://opportunityindex.org/wp-content/uploads/2020/08/A-Review-of-Tools-Measuring-Opportunity-in-the-United-States.pdf>
- Reilly, R., Newman, D., & Fikri, K. (2020). *Advancing education and child development in Opportunity zones*. Retrieved from <https://eig.org/wp-content/uploads/2020/09/oz-education-report.pdf>

- Rush University Medical Center. (2016). *Rush University Medical Center Community Health Needs Assessment Report*. Retrieved from <https://www.rush.edu/sites/default/files/2020-09/rush-chna-august-2016%284%29.PDF>
- The Chicago Department of Public Health. Healthy Chicago 2.0 Indicators. Retrieved from <https://www.chicagohealthatlas.org/healthy-chicago>.
- The Health Collaborative. (2019). *2019 Bexar County and Atascosa County Community Health Needs Assessment Report*. Retrieved from San Antonio, TX: [http://healthcollaborative.net/wp-content/uploads/2019/10/Community2019\\_CHNAReport\\_compressed.pdf](http://healthcollaborative.net/wp-content/uploads/2019/10/Community2019_CHNAReport_compressed.pdf)
- Weismann, G. & Curley, A. (2023). *Supporting Neighborhood Opportunity in Massachusetts: A study of housing mobility program outcomes*. PRRAC, SNOMass, Mobility Works. Retrieved from: [https://www.prrac.org/wp-content/uploads/2023/07/SNO-Mass-Outcomes-Report\\_6.30.2023.pdf](https://www.prrac.org/wp-content/uploads/2023/07/SNO-Mass-Outcomes-Report_6.30.2023.pdf)
- Weismann, G., Tegeler, P., & Knudsen, B. (2022). *A Review of the New York State Housing Mobility Pilot: Lessons from Buffalo, Long Island and New York City*. Enterprise Community Partners, PRRAC, Mobility Works. Retrieved from: <https://www.enterprisecommunity.org/sites/default/files/2022-10/prrac-review-of-ny-state-housing-mobility-pilot.pdf>.