APPENDIX B
DATA SOURCES

THEME 1: ECONOMIC OPPORTUNITY

Topic 1: Business Development
Indicator 1. Business ownership by gender: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Estimates

Indicator 2. Business ownership by race: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Public Use Microdata Sample (PUMS)

Indicator 3. Payday loans & banks by geography: Data Axle Reference Solutions, U.S. Historical Businesses Database, 2017, 2018, 2019, 2020, 2021, 2022, & 2023

Topic 2: Employment
Indicator 4. Unemployment by race: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Estimates

Indicator 5. Commute time by geography: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 5-Year Estimates

Indicator 6. High wage occupations by race: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Estimates

Topic 3: Income
Indicator 7. Living wage by geography: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 5-Year Estimates

Indicator 8. Median household income by race: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Estimates

Indicator 9. Poverty by educational attainment: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Estimates

THEME 2: EDUCATION

Topic 1: Impediments to Learning
Indicator 10. Suspensions by race: Tulsa Public Schools unpublished data, School Years 2017, 2018, 2019, 2020, 2021, 2022, & 2024

Indicator 11. Chronic absenteeism by race: Tulsa Public Schools unpublished data, School Years 2017 & 2020; Oklahoma State Department of Education, Oklahoma School Report Cards, School Years 2018, 2019, 2022, 2023, & 2024

Indicator 12. Dropping out by income: Tulsa Public Schools unpublished data, School Years 2016, 2017, 2018, 2019, 2020, 2022, & 2023

Topic 2: Quality and Opportunity
Indicator 13. Emergency teacher certification by geography: Oklahoma State Department of Education, Emergency Certifications webpage, School Years 2017, 2018, & 2021; Oklahoma State Department of Education, Unpublished State Board of Education meeting report, Feb. 2024, Dec. 2024; Oklahoma State Department of Education public records: Certified Staff Directory

Indicator 14. Postsecondary opportunities participation by english proficiency: Oklahoma State Department of Education, Oklahoma School Report Cards, School Years 2018, 2019, 2022, 2023, & 2024

Indicator 15. School report card score by income: Oklahoma State Department of Education, Oklahoma School Report Cards, School Years 2018, 2019, 2022, 2023, & 2024; Oklahoma State Department of Education, Low Income Report, School Years 2018, 2019, 2022, 2023, & 2024

Topic 3: Student Achievement
Indicator 16. Third grade reading proficiency by income: Tulsa Public Schools unpublished data, School Years 2017, 2018, 2019, 2021, 2022, 2023, & 2024

Indicator 17. Graduation by English proficiency: Oklahoma State Department of Education, Oklahoma School Report Cards, School Years 2017, 2018, 2019, 2021, 2022, & 2024

Indicator 18. College completion by race: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Estimates

THEME 3: HOUSING

Topic 1: Homeownership

Indicator 19. Homeownership by race: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Estimates

Indicator 20. Home purchase loan denial by race: Federal Financial Institutions Examination Council, Home Mortgage Disclosure Act Database, Conventional Purchases by Race, 2016, 2017, 2018, 2019, 2020, 2022 & 2023

Indicator 21. Housing cost burden by income: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Estimates

Topic 2: Homelessness

Indicator 22. Youth homelessness by race: Homeless Management Information System, Annual Homeless Assessment Report to Congress, for annual time periods beginning Oct. 1, 2016 to Sept. 30, 2020; A Way Home for Tulsa Interactive Data Dashboard, for annual time periods beginning Oct. 1, 2021 to Sept. 30, 2023; Tulsa Housing Solutions unpublished data for Oct. 1, 2023 to Sept. 30, 2024

Indicator 23. Homelessness by veteran status: Homeless Management Information System, Annual Homeless Assessment Report to Congress, for annual time periods beginning Oct. 1, 2016 to Sept. 30, 2020; A Way Home for Tulsa Interactive Data Dashboard, for annual time periods beginning Oct. 1, 2021 to Sept. 30, 2023; Tulsa Housing Solutions unpublished data for Oct. 1, 2023 to Sept. 30, 2024

Indicator 24. Homelessness by disability status: Homeless Management Information System, Annual Homeless Assessment Report to Congress, for annual time periods beginning Oct. 1, 2016 to Sept. 30, 2020; A Way Home for Tulsa Interactive Data Dashboard, for annual time periods beginning Oct. 1, 2021 to Sept. 30, 2023; Tulsa Housing Solutions unpublished data for Oct. 1, 2023 to Sept. 30, 2024

Topic 3: Tenant Stability

Indicator 25. Rent burden by income: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Estimates

Indicator 26. Evictions by race: The Eviction Lab, 2015 & 2016; Open Justice Oklahoma, Oklahoma Policy Institute, unpublished data for calendar years 2019, 2020, & 2023

Indicator 27. Housing complaints by geography: Tulsa Health Department unpublished data, 2017, 2018, 2019, 2020, 2021, 2022, & 2023

THEME 4: JUSTICE

Topic 1: Arrests

Indicator 28. Juvenile arrests by race: Oklahoma State Bureau of Investigation unpublished data, 2016, 2017, 2018, 2019, 2020, 2022, & 2023

Indicator 29. Adult arrests by race: Oklahoma State Bureau of Investigation unpublished data, 2016, 2017, 2018, 2019, 2020, 2022, & 2023

Indicator 30. Female arrests by comparison to national average: Oklahoma State Bureau of Investigation unpublished data, 2016, 2017, 2018, 2019, 2020, 2022, & 2023; Federal Bureau of Investigation, Uniform Crime Reporting: National Incident-Based Reporting System, 2016, 2017, 2018, 2019, 2020, 2022, & 2023

Topic 2: Law Enforcement

Indicator 31. TPD workforce by race: Tulsa Police Department, 2016, 2017, 2018, 2019, & 2022 Internal Affairs Annual Report; Tulsa Police Department unpublished data, 2020; Tulsa Police Department, 2023 Annual Report

Indicator 32. TPD workforce by gender: Tulsa Police Department, 2016, 2017, 2018, 2019, & 2022 Internal Affairs Annual Report; Tulsa Police Department unpublished data, 2020; Tulsa Police Department, 2023 Annual Report

Indicator 33. Officer use of force by subject race: Tulsa Police Department, 2016, 2017, 2018, 2019, & 2022 Internal Affairs Annual Report; Tulsa Police Department unpublished data, 2020; Tulsa Police Department, 2023 Annual Report

Topic 3: Safety and Violence

Indicator 34. Child abuse and neglect by comparison to national average: Oklahoma Department of Human Services, FY 2015, 2016, 2017, 2018, 2019, 2021, & 2023 Annual Report Statistical Tables; U.S. Department of Health & Human Services, Administration for Children and Families, Administration on Children, Youth and Families, Children's Bureau, Child Maltreatment 2015, 2016, 2017, 2018, 2019, 2021, & 2023

Indicator 35. Homicide victimization by race: City of Tulsa unpublished data, 2016, 2017, 2018, 2019, 2020, 2022 & 2023

Indicator 36. 911 Domestic violence calls by geography: City of Tulsa unpublished data, 2016, 2017, 2018, 2019, 2020, 2022 & 2023

THEME 5: PUBLIC HEALTH

Topic 1: Health Care Access

Indicator 37. Health insurance by race: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022 & 2023 American Community Survey 1-Year Estimates

Indicator 38. Emergency room use by geography: Tulsa Health Department unpublished data, 2017, 2018, 2022 & 2023

Indicator 39. Veterans Affairs appointment wait time by comparison to national average: U.S. Dept. of Veterans Affairs, Completed Appointment Wait Times National, Facility, and Division Level Summaries, Measured from Preferred Date for Reporting Periods Ending: Oct. 2017, 2018, 2019, 2020, and Feb. 2021; FOIA request to U.S. Dept. of Veterans Affairs, VSSC Access to Care PowerBI dashboard, Feb. 2024

Topic 2: Mortality

Indicator 40. Infant mortality by race: Oklahoma State Department of Health, Center for Health Statistics, Health Care Information, Vital Statistics 2016, 2017, 2018, 2019, 2020, 2021, & 2023

Indicator 41. Life expectancy by geography: Tulsa Health Department unpublished data, 2013-15, 2014-16, 2015-17, 2016-18, 2017-19, 2019-21, & 2021-23

Indicator 42. Cardiovascular disease mortality by race: Oklahoma State Department of Health, Center for Health Statistics, Health Care Information, Vital Statistics 2016, 2017, 2018, 2019, 2020, 2021, & 2023

Topic 3: Well-being

Indicator 43. Food deserts by geography: INCOG unpublished data, 2018, 2019, 2020, 2021, 2023, & 2024

Indicator 44. Mentally unhealthy days by income: Oklahoma State Department of Health, Center for Health Statistics, Health Care Information, Behavioral Risk Factor Surveillance System 2015-16, 2016-17, 2017-18, 2018-19, 2019-20, 2021-22, & 2022-23

Indicator 45. Smoking by geography: Centers for Disease Control and Prevention, 500 Cities & Places: Local Data for Better Health, Model-based estimates for current smoking among adults aged >=18 years, 2017, 2018, 2019, 2020, 2021, 2023, & 2024 releases; Behavioral Risk Factor Surveillance System (BRFSS), 2015, 2016, 2017, 2018, 2019, 2021, & 2022

THEME 6: SERVICES

Topic 1: Resources

Indicator 46. Vacant housing by geography: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 5-Year Estimates

Indicator 47. Internet access by race: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Estimates

Indicator 48. Services for persons with developmental disabilities by comparison to national average: Larson, S. A., et al, 2017, 2018, 2019, 2020, & 2021, In-home and residential long-term supports and services for persons with intellectual or developmental disabilities: Status and trends 2014 through 2018; Larson, S. A., et al, 2022, 2024, Long-term supports and services for persons with intellectual or developmental disabilities: Status and trends through 2019, 2020

Topic 2: Political Empowerment

Indicator 49. Government representation by race: City of Tulsa open data, 2017, 2018, 2019, 2021, 2022, 2023, & 2024

Indicator 50. Voter turnout by geography: Oklahoma State Election Board data request, November 2016, 2018, & 2020 elections; Oklahoma State Election Board, OK Election Data Warehouse, November 2022, & 2024 general elections

Indicator 51. Neighborhood and homeowner associations by geography: City of Tulsa open data, 2017, 2018, 2019, 2021, 2022, 2024, & Jan. 2025

Topic 3: Transportation

Indicator 52. Bus stop concentration by geography: Metropolitan Tulsa Transit Authority unpublished data, 2018; INCOG unpublished data, 2019, 2020, 2021, 2022, 2023, & 2024

Indicator 53. Commute time by mode of transportation: U.S. Census Bureau, 2016, 2017, 2018, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Estimates

Indicator 54. Vehicle access by race: U.S. Census Bureau, 2016, 2017, 2019, 2021, 2022, & 2023 American Community Survey 1-Year Public Use Microdata Sample (PUMS)

Source Notes: In addition to indicators using the U.S. Census Bureau's American Community Survey (ACS) as the primary data source as noted above, ACS data were used in the calculation of rates for many other indicators. For example, ACS population counts for youth by race were used to calculate rates of homelessness for indicator 22, Youth homelessness by race. ACS 1-year estimates were used when possible, but in several instances 5-year estimates were required. For indicator 53, Commute time by mode of transportation, 5-year estimates were used because of excessively high margins of error associated with the 1-year estimates. Five-year estimates were used for all indicators making regional comparisons due to unavailability of ACS 1-year estimates at the zip code level.

Ten of the 54 indicators have one or more years for which new data were not available at the time of report preparation for that particular year. In those instances, the prior year's data and scores were repeated and were used to calculate topic, theme, and city scores. Indicators with repeated year(s) of data include:

Indicator	Repeated Data by Report Year
Emergency teacher certification by geography	2020, 2022
Postsecondary opportunities participation by English proficiency	2019, 2021
School report card score by income	2019, 2021
Graduation by English proficiency	2021
Evictions by race	2022, 2024
Emergency room use by geography	2020, 2021, 2022
Veterans Affairs appointment wait time by comparison to national average	2022
Food deserts by geography	2019
Voter turnout by geography	2019, 2023
Vehicle access by race	2020

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