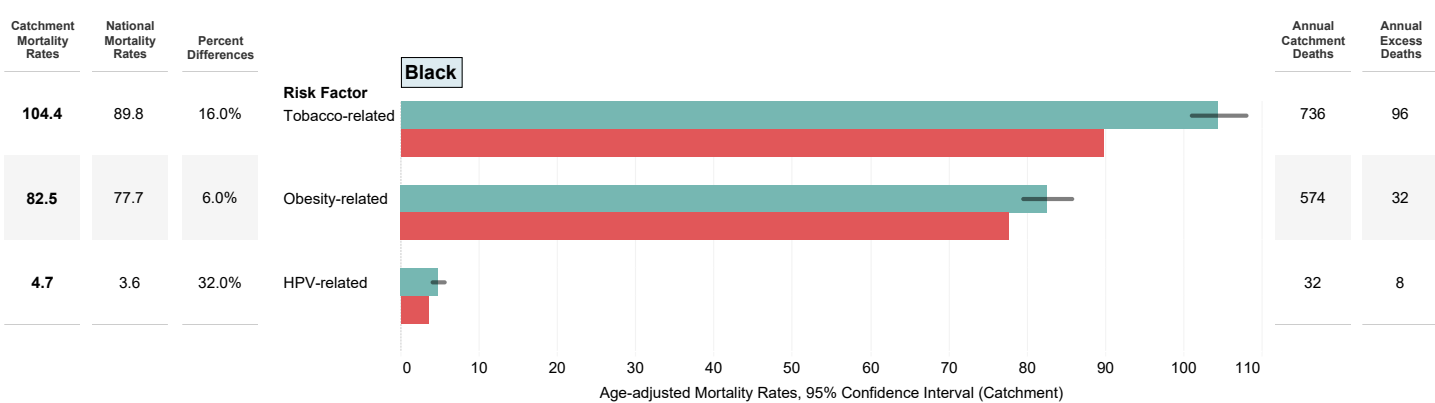
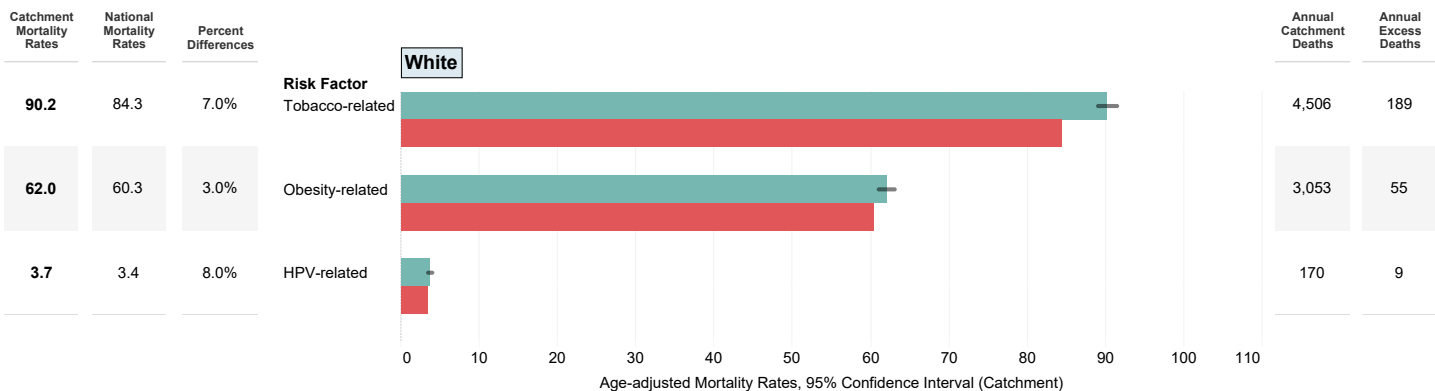
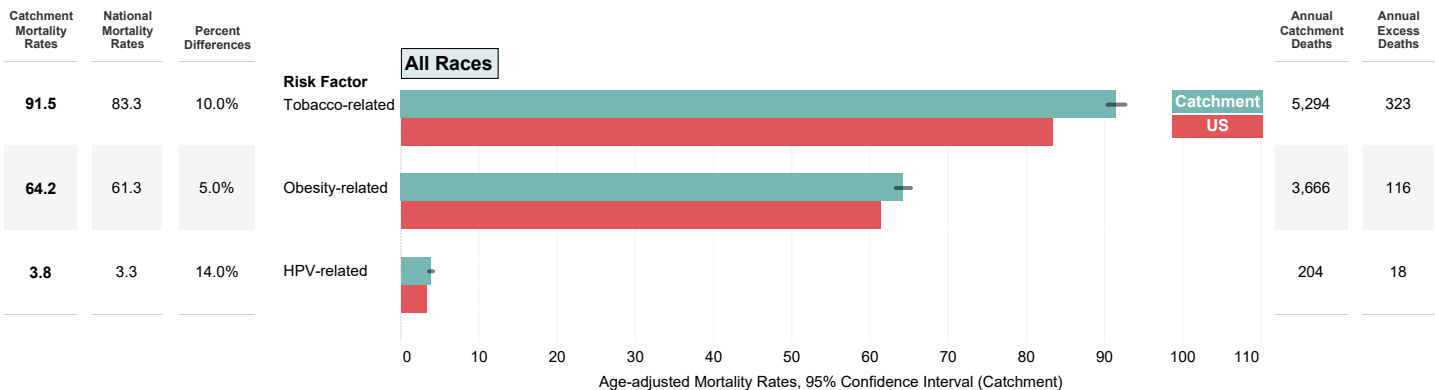


## Comparison of Catchment Area and US Average Annual Age-adjusted Mortality Rates by Risk Factor Categories: Tobacco, Obesity, and HPV, 2018-2022



**Notes:**

1. Race categories (All Races, White, Black) are presented inclusive of all ethnicities.
2. Confidence intervals are displayed only for catchment rates. U.S. rates reflect population-level estimates.
3. Mortality rates are expressed as age-adjusted cases per 100,000 population.
4. Excess cases (per year) are estimated by multiplying the population of the catchment area by the difference in mortality rates between the catchment area and the US.
5. The catchment area includes 15 counties in Northeast Ohio: Ashland, Ashtabula, Cuyahoga, Erie, Geauga, Huron, Lake, Lorain, Mahoning, Medina, Portage, Stark, Summit, Trumbull, and Wayne Counties.
6. Tobacco related cancers (AML, Bladder, Colon and Rectum, Esophagus, Kidney and renal pelvis, Larynx, Liver & Intrahepatic Bile Duct, Lung and Bronchus, Trachea, Oral, Oropharynx/Nasopharynx, Pancreas, Stomach).

Accessed at [www.cdc.gov/tobacco/campaign/tips/diseases/cancer.html](http://www.cdc.gov/tobacco/campaign/tips/diseases/cancer.html)

7. Obesity related cancers (Esophagus (adenocarcinoma), Breast, Colon and rectum, Uterus, Gallbladder, Stomach, Kidney and renal pelvis, Liver, Ovarian, Pancreas, Thyroid, Multiple myeloma).

Accessed at [www.cdc.gov/cancer/risk-factors/obesity.html](http://www.cdc.gov/cancer/risk-factors/obesity.html)

8. HPV related cancers (Cervix, Vagina, Vulva, Penis, Anus, Oropharynx, Tongue, Tonsils). Accessed at [www.cdc.gov/hpv/about/cancers-caused-by-hpv.html](http://www.cdc.gov/hpv/about/cancers-caused-by-hpv.html)

**Sources:**

1. Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER\*Stat Database: Mortality - All COD, Aggregated With County, Total U.S. (1990-2022) <Katrina/Rita Population Adjustment>, National Cancer Institute, DCCPS, Surveillance Research Program, released April 2024. Underlying mortality data provided by NCHS (www.cdc.gov/nchs).