CASE COMPREHENSIVE CANCER CENTER CATCHMENT AREA

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INTRODUCTION

- Catchment area is defined and justified by the area of community a center institution serves.
- It can be categorized by zip codes, counties, or state lines.
- Cancer centers play a unique role in the community, by conducting research within their catchment area, engaging the population, and to develop an improvement plan in areas in need.
- The Case CCC is based at CWRU, this partnership supports cancer related research at CWRU, University Hospitals Cleveland Medical Center, and Cleveland Clinic. Located in Cleveland, Ohio.
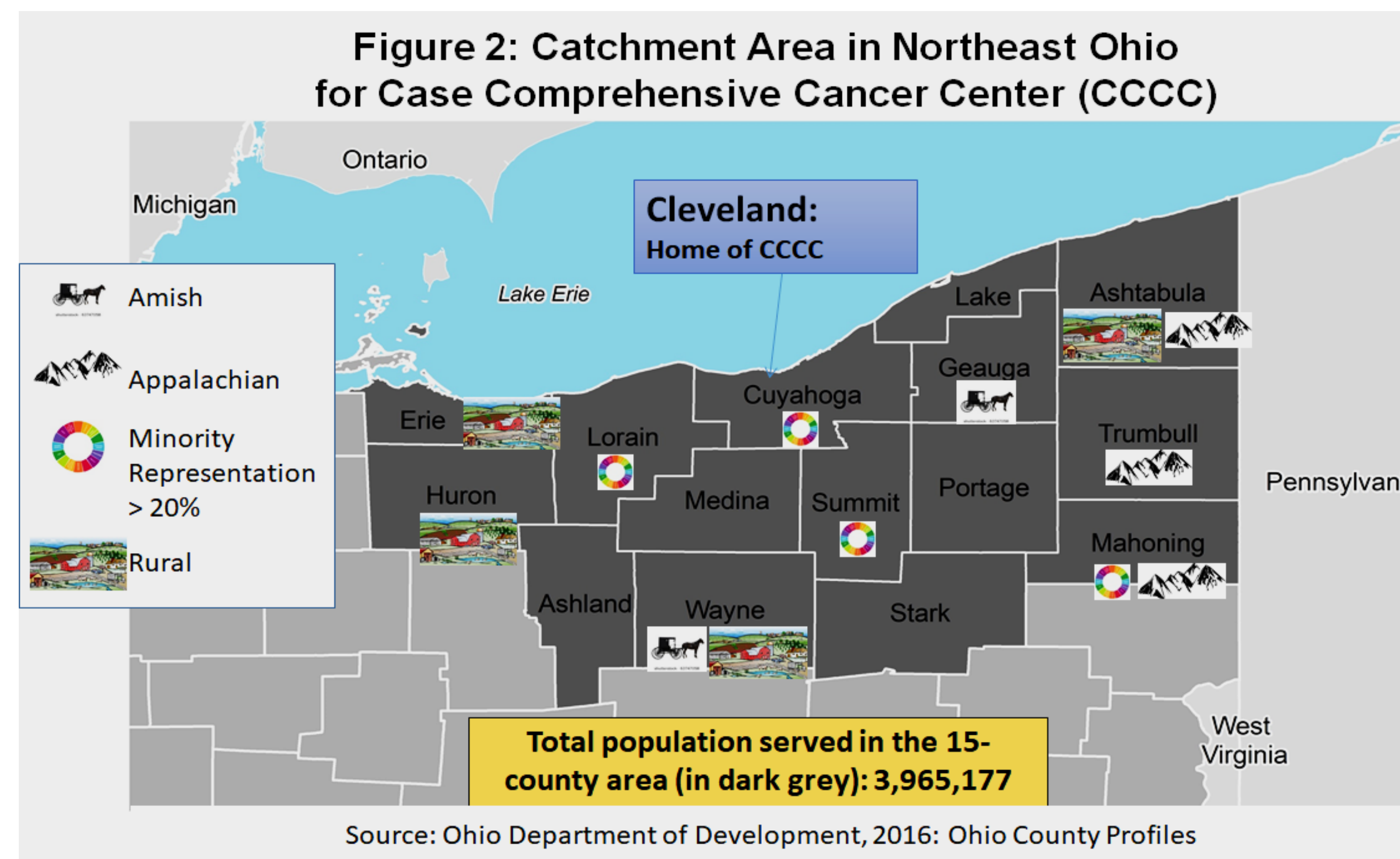
MISSION OF CASE CCC

The mission at Case CCC is to:
- Improve prevention, diagnosis and therapy of cancer through new research projects.
- Stimulate and support innovative and clinical research on cancer diagnosis, treatment and prevention.
- Develop clinical application that can be available to northern Ohio residents.
- Reduce morbidity and mortality through cancer prevention and control interventions.

OBJECTIVES

- To study the types of health data collected in health department in the CCC area, including risk factors.
- Identifying trends and high-risk cancer groups.
- To learn if the health data is shared between community partners.
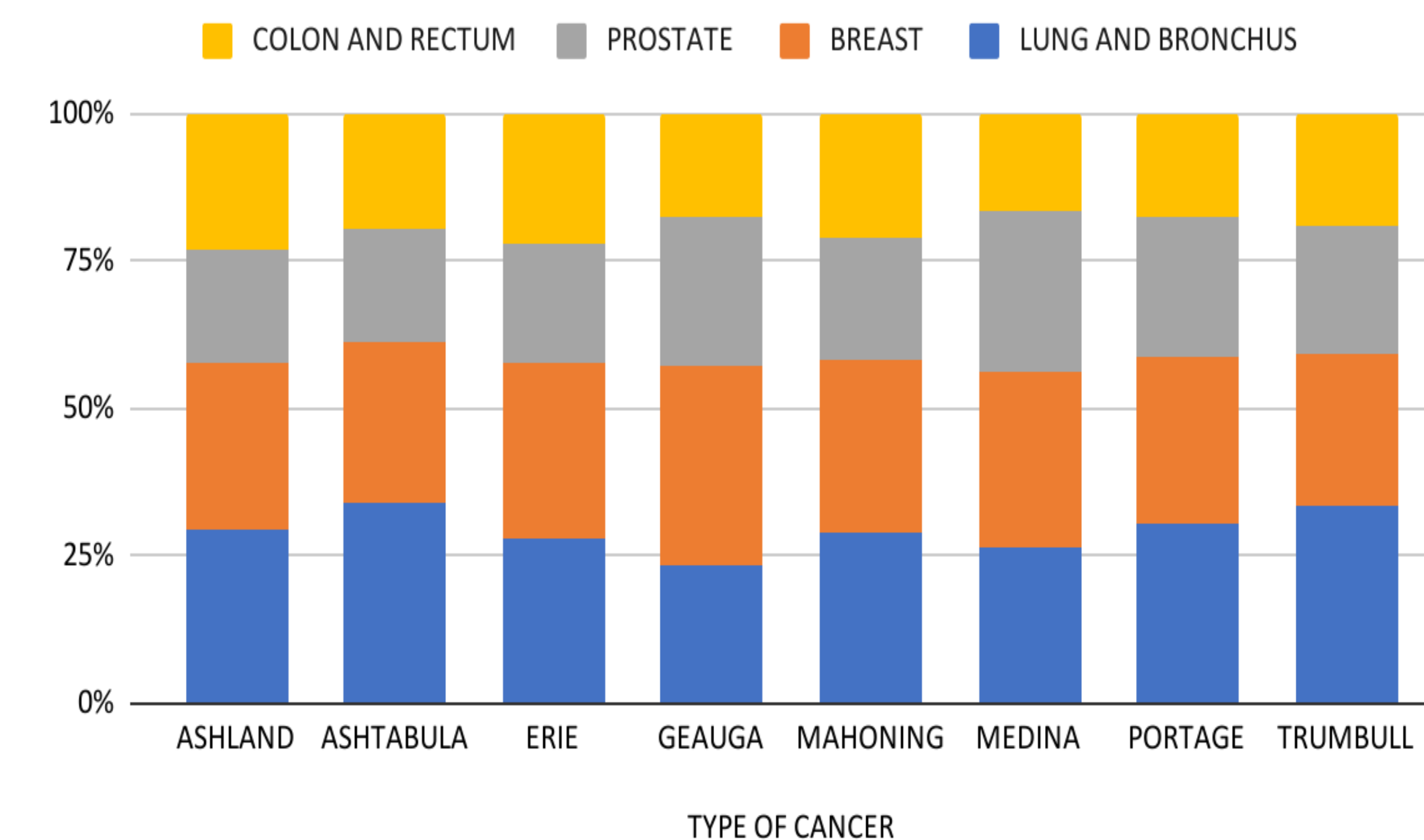
ACTIVITIES

- Reviewing the Community Health Needs Assessments[CHNA] and Community Health improvement plan[CHIP] from each county's health department in the Case CCC catchment area.
- Learning about how the cancer center utilizes this data to study trends and determine community needs, along with how to address these issues.
- **DELIVERABLES** - Poster is the primary deliverable, the second deliverable is a comprehensive spreadsheet, detailing types of cancer data and trend in each county and identifying data source.

Figure 2: Catchment Area in Northeast Ohio for Case Comprehensive Cancer Center (CCCC)

Cleveland: Home of CCCC

Amish
Appalachian
Minority Representation > 20%
Rural

Total population served in the 15-county area (in dark grey): 3,965,177

Source: Ohio Department of Development, 2016: Ohio County Profiles

- We collected data related to cancer diagnosis and risk factors such as insurance coverage, preventive visits, women's and men's routine cancer screening, tobacco and alcohol habits, and BMI.
- Counties utilized the HOSPITAL COUNCIL OF NORTHWEST OHIO as the main data source to help conduct the CHNA and thereby the CHIP.
- Ohio Department of Health, United States Census data and WHO were some of the additional sources.

LUNG AND BRONCHUS, BREAST , PROSTATE and COLON AND RECTUM - Cancer Rates

Legend: COLON AND RECTUM, PROSTATE, BREAST, LUNG AND BRONCHUS

TYPE OF CANCER

CONCLUSION

The most common cancers among these counties following the review of the latest CHNA are:
- Lung and Bronchus
- Breast
- Prostate
- Colon and Rectum

Followed by Melanoma of the skin, Bladder and Non-Hodgkin's Lymphoma.

IMPROVEMENT PLANS

- Counties offer free monthly mammogram and pap smear clinics for uninsured women.
- Promotion of Ohio tobacco Quitline, to help curb the tobacco use.
- Promotion of low-cost fitness opportunities like, summer walking series or an integrated plan for exercise to stay within the normal BMI range.
- Smoke free policies and school-based tobacco prevention and evaluation to target smoking behaviors in youth.