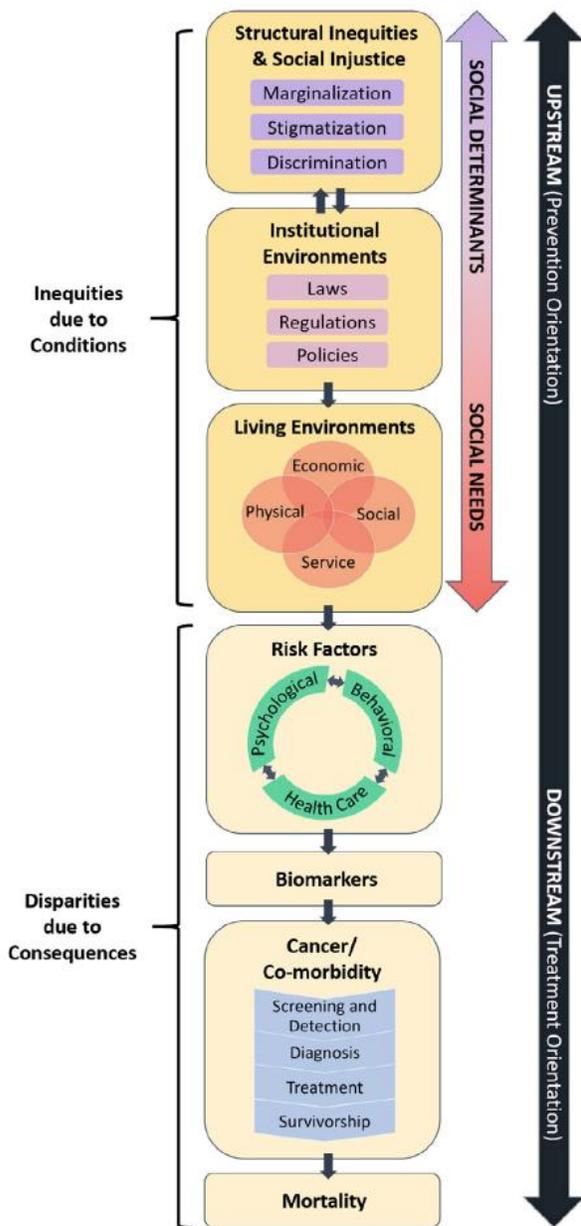# Social Determinants Workgroup (2.3)

Workgroup 2.3 Objective

By 2025, pilot the addition of social determinants of health and additional patient demographics such as occupation or country of origin as data collected and archived by Florida's statewide cancer data and surveillance program.

Opportunities

- Although US cancer mortality rates declined in recent decades, some populations have experienced little benefit from advances in cancer prevention, early detection, treatment, and survivorship care.

- Reducing the burden of cancer and eliminating cancer-related disparities will require more focused and coordinated action across multiple sectors and in partnership with communities.

- US cancer registries do not collect and integrate detailed social determinants information needed to help inform coordinated action to reduce cancer disparities.

Challenges

- There is a need to prioritize the collection of social determinants data with an emphasis on minimizing costs.

- Careful consideration needs to be given to any increased burdens on reporting providers/organizations.

- There is a need to identify key stakeholders who can benefit from increased access to the collection of social determinants data and to optimize data dissemination strategies.

- There is a need to identify strategies to present cancer data imbedded within a social determinants framework.

Target Stakeholders

Expanding social determinants data access

Florida Cancer Data System
STAT File Documentation
Version 2022

Field Description	NAACCR Item	Codes
Patient ID Number	20	F
Addr at DX - State	80	X
County at DX	90	F
Addr at DX – Country	102	X
Marital Status at DX	150	X
Race 1	160	X
Spanish/Hispanic Origin	190	X
Sex	220	X
Birthplace – State	252	X
Birthplace – Country	254	X
Sequence Number - Central	380	F
Date of DX – Year	390	X
Laterality	410	F
Grade	440	F
Diagnostic Confirmation	490	F
Type of Reporting Source	500	F
Histologic Type ICDO3	522	F
Behavior Code ICDO3	523	F
Primary Payer at DX	630	X
SEER Summary Stage 2000	759	F
SEER Summary Stage 1977	760	F
Summary Stage 2018	764	F
Cancer Status	1770	F
ICDO3 Conversion Flag	2116	F
FCDS Age Group	2220	X
FCDS Site Group	2220	X
FCDS Tobacco Use Cigarette	9965	F
FCDS Tobacco Use Other Smoke	9966	F
FCDS Tobacco Use Smokeless Tobacco	9967	F
FCDS Tobacco Use NOS	9968	F
Derived SS1977 Flag	3040	F
Derived SS2000 Flag	3050	F
Rural Urban Continuum 1993	3300	X
Rural Urban Continuum 2003	3310	X
Rural Urban Continuum 2013	3312	X

- Add census track-derived poverty status indicator to the FCDS "Stat file".
  - This file is available without cost and without the need to obtain higher-level approvals.

- Give consideration to adding additional social determinants indicators.
  - Need to assess risk of reverse engineering census tract at the time of diagnosis.

https://fcds.med.miami.edu/downloads/datarequest/STAT%202022%20layout.pdf
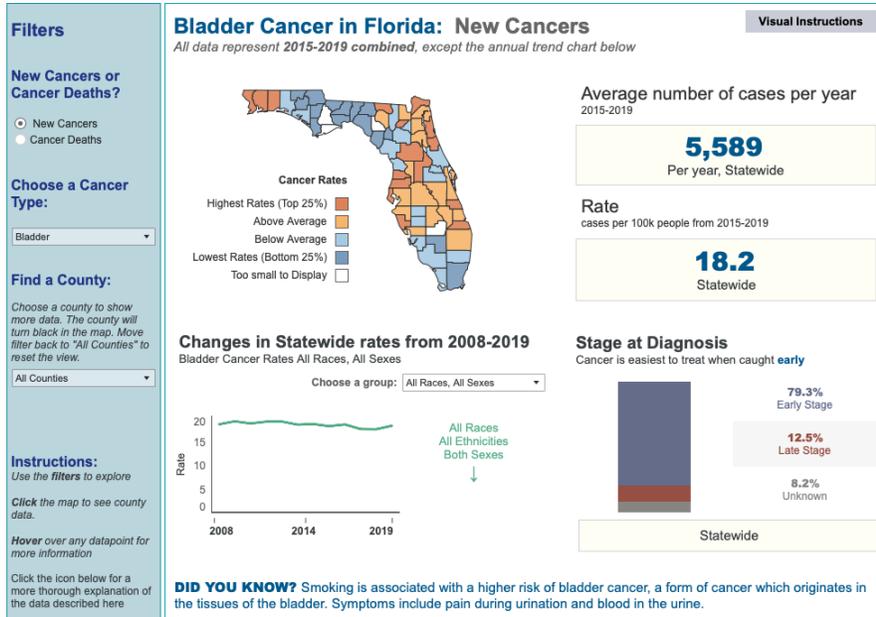
Expanding social determinants data access

NATIONAL CANCER INSTITUTE
Surveillance, Epidemiology, and End Results Program

- Median Household Income
- Median House Value
- Median Gross Rent
- Percent Below 150% Poverty
- Education Index
- Working Class
- Percent Unemployed
- Percent Persons Below Poverty
- NAACCR Poverty Indicator
- 2010 Rural-Urban Commuting Area (RUCA) Codes
- 2010 Census-based Urban Rural Indicator Codes (URIC)
- Cancer Reporting Zone
- CDC Standardized Sub-County Geographies
- Persistent Poverty Census Tracts
- CDC/ATSDR Social Vulnerability Index
- Congressional District

- Add NCI SEER-maintained census track-derived social determinants indicators to the list of variables available to researchers.

- Has the advantage of aligning with SEER cancer data analyses that utilize these social determinants variables.

- Will require some resources to initiate and maintain.

(https://seer.cancer.gov/seerstat/variables/countyattribs/census-tract-attribs.html).

Expanding broad stakeholder group social determinants access via data visualization tools

https://fcds.med.miami.edu/inc/statistics_data_viz.shtml

https://www.scan360.com

- FCDS has developed data visualization tools which can be modified to incorporate social determinants variables.

- Scan 360 is incorporating an expanding list of social determinants variables into their data visualization tool.
  - This tool can be brought into FCDS allowing for more frequent updating of cancer data
  - Their expanding list of social determinants variables can also be incorporated into the initiatives already described

Next Steps

- Estimate costs and timeline for implementation of the following:
  - Addition of the poverty status variable and potentially other variables to the FCDS STAT dataset.
  - Addition of SEER-derived social determinants variables available to researchers.

- Continued exploration of incorporating social determinants indicators into data visualization tools.
  - Estimate costs and timeline for this expansion.

- Give consideration to requiring the collection of select social determinants indicators by reporting providers/organizations.