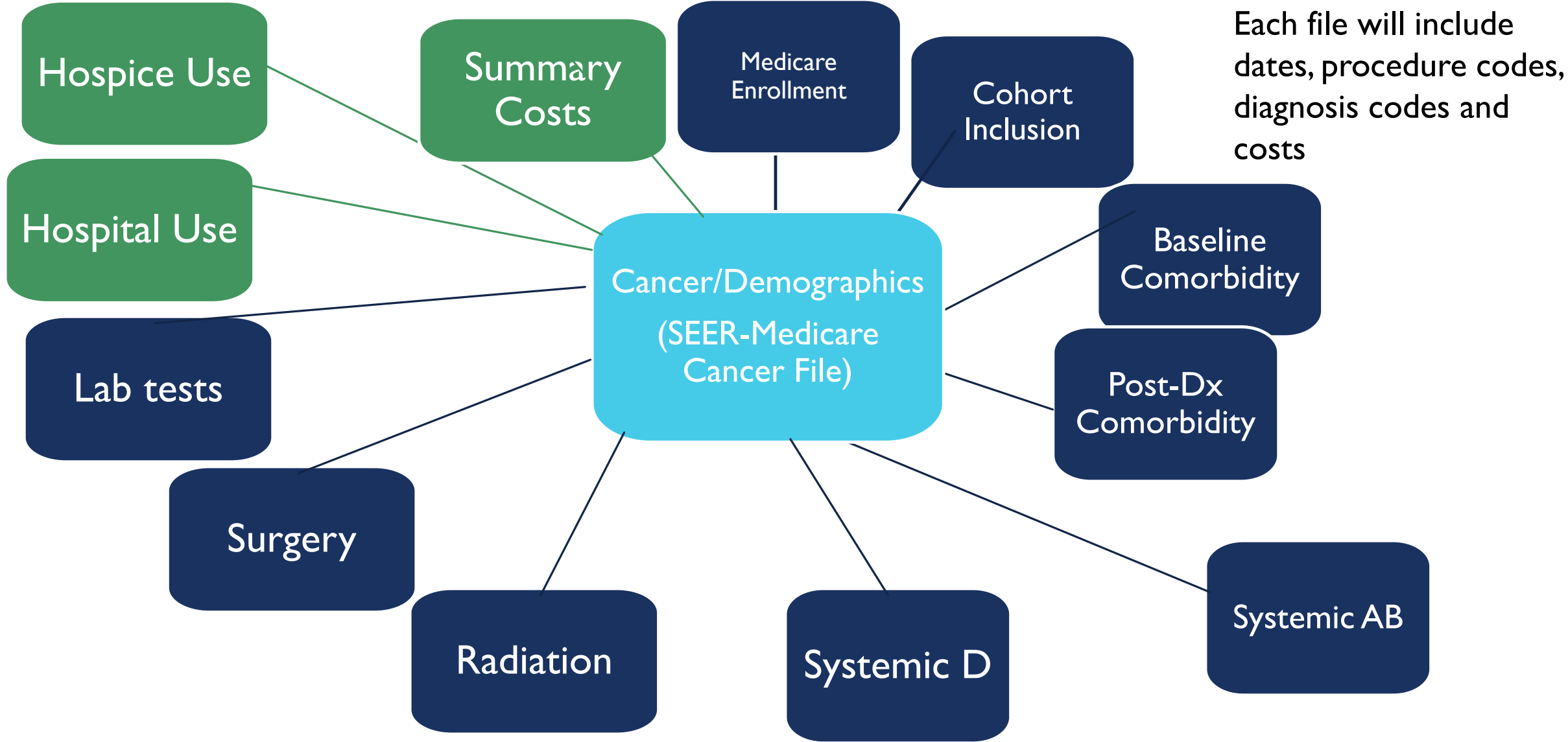# SEER-MEDICARE DATA

Plusses

- Population representative

- Complete coverage of services for the fee-for-service population

- Longitudinal

- Includes controls for comparisons

- Detailed SEER cancer diagnosis information

SEER-MEDICARE DATA

Minuses

- Recency

- Age distribution

- Limited clinical information.

- No information on progression

- Limited to one payer

- **Complex**

- **Limitation in estimating patients financial distress/burden**

SEER-MEDICARE NEW PRODUCT/S:
RELATIONAL DATABASES (LINKED BY PATIENT/TUMOR ID)

Hospice Use

Summary Costs

Medicare Enrollment

Cohort Inclusion

Each file will include dates, procedure codes, diagnosis codes and costs

Hospital Use

Cancer/Demographics (SEER-Medicare Cancer File)

Baseline Comorbidity

Lab tests

Post-Dx Comorbidity

Surgery

Radiation

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FINANCIAL TOXICITY USING COMMERCIALLY AVAILABLE SOURCES

- A pilot using LexisNexis to understand:
  - Potential differential impact of cancer site, stage, age, and insurance status on financial health over time post diagnosis
  - Feasibility of using commercially available sources to quantify financial health

FINANCIAL TOXICITY USING LEXISNEXIS

- This project "piggybacks" on previous SEER-LexisNexis linkage
  - 3M cancer cases linked to LexisNexis addresses starting 2015 and going back to 2002.

- Includes patients diagnosed in Louisiana & Seattle SEER registries between 2014-2016.

- Patients diagnosed with stage 0 or stage 1 cancers, those whose cancers were diagnosed at time of death and those who survive less than 6 months after diagnosis were excluded

DATA/ATTRIBUTE (2010-2018)

- Identity's estimated annual income

- Severity index based on the type of derogatory record

- Total subprime credit service offer or information requests (ex. short-term loans and high-rate credit cards) by identity

- Indicates status of most recent bankruptcy filing (Ex. Discharged, Dismissed, Discharge, NA)

DATA/ATTRIBUTE (2010-2018)

- Time since most recently recorded derogatory public record

- Time since most recently filed lien

- Time since most recently released lien

- Time since most recent bankruptcy filing

- Time since most recently recorded eviction

PREVIOUS EXPERIENCE

- We attempted this Pilot with another financial data aggregator: data was of poor quality
  - Data not collected for research purposes
  - There was almost no changes of data over time. E.g. all cancer patients were in the same income group over time.
  - Not clear how the data got updated, (e.g. at different times for different patients)
  - There may have been problems with the linkage

- Preliminary analysis indicates LexisNexis is of better quality. However:
  - Costly
  - Proprietary we don't know how median income or other variables are calculated

FUTURE?

- Will wait results on LexisNexis pilot

- Patients reported outcome?

- Cohorts by cancer site?