

Variable Name	Description	Type	Value Range / Categories	Source
state	U.S. state name	Categorical	50 states + D.C.	All datasets
year	Year of observation	Numeric	2013–2023	All datasets
population	State-level population estimate	Numeric	Varies by state/year	U.S. Census
mean_trends	Average Google Trends score for mental health-related search terms	Continuous	0–100	Google Trends (Faraji & Hennigan, 2024)
total_facilities	Number of mental health facilities in a state	Integer	Varies	NSUMHSS
per_capita_total_facilities	Facilities per 100,000 people	Continuous	~0–25	Derived
mental_health_only_facilities	Facilities focused solely on mental health	Integer	0–1000+	NSUMHSS
inpatient_facilities	Facilities providing inpatient care	Integer	0–1000+	NSUMHSS
pct_pharmacotherapy	% of facilities offering pharmacotherapy	Percent	0–100%	NSUMHSS
pct_youth_services	% of facilities offering youth/child services	Percent	0–100%	NSUMHSS
pct_counseling_services	% of facilities offering counseling	Percent	0–100%	NSUMHSS
pct_free_services	% of facilities offering free care	Percent	0–100%	NSUMHSS
pct_medicare	% of facilities accepting Medicare	Percent	0–100%	NSUMHSS
total_utilization	Combined utilization (outpatient + inpatient, if calculated)	Numeric	Varies	Derived (optional)
region	U.S. Census Bureau region	Categorical	South, Midwest, Northeast, West	Derived
cluster	Cluster assignment from K-means clustering	Categorical	0, 1, 2, ...	Derived
poverty_rate	% of population below poverty line	Percent	~5–25%	Socioeconomic dataset
unemployment_rate	State-level unemployment rate	Percent	~2–15%	Socioeconomic dataset
insured_rate	% of population with health insurance	Percent	~70–100%	Socioeconomic dataset
mean_all_trends	Mean of all mental health search terms	Continuous	0–100	Google Trends
utilization_diff	Year-over-year change in utilization	Continuous	Can be negative or positive	Derived
trend_diff	Year-over-year change in search score	Continuous	Can be negative or positive	Derived
covid_flag	Indicates if the year is during or after the COVID-19 pandemic start	Binary	0 = Pre-2020, 1 = 2020 and later	Derived