

Appendix C: Data Set and Documentation

Introduction

This is the documentation for the data file, CNIdata06.XLS. It is in Microsoft Excel 2002 format. It is the data from which the Community Need Index (CNI) and the nine indicators are constructed. A second Excel file, RateCalc06.XLS, provides examples of indicator rate calculation. Table C1 describes the variables contained in the data file. The variable names are arranged in the order in which they occur in the data file.

Calculation of Indicator Rates

Table C2 shows the numerators and the denominators used in the calculation of indicator rates. The numerators are the sum of cases diagnosed or reported in three consecutive years. All indicator rates, except for newborn seroprevalence, are expressed as averages of three years of data divided by corresponding population estimates from a single year. The calculation of newborn seroprevalence rates involves data from a three-year period in both the numerators and the denominators. Indicator rates for cocaine hospital discharges, opioid hospital discharges, sexually transmitted diseases, male HIV discharges, female HIV discharges, AIDS cases, and HIV cases are calculated as:

$$[(\text{Numerator}/\text{Denominator})/3]*100,000$$

Indicator rates for teenage pregnancy are calculated as:

$$[(\text{Numerator}/\text{Denominator})/3]*1,000$$

Indicator rates for newborn seroprevalence are calculated as:

$$(\text{Numerator}/\text{Denominator})*100$$

Data Suppression

Blank Cells in the Excel data file indicate suppressed data.

County Codes

Each county is assigned a unique county code similar to the Federal Information Processing Standards (FIPS) code. The county names associated with their respective county codes are displayed in Table C3.

Table C1. Variables contained in the data file CNIdata06.XLS.

Variable	Variable Description
ZIP	ZIP code area
CNI	CNI letter score (H=high; M=moderate; L=low)
CNIrank	CNI region percentile rank
CNTYcode	County code
CNTYname	County name
CNIarea	CNI statistical area (1= NYC, 2= NYV, 3= ROS)
TEENpreg	Number of pregnancies for females aged 10-17, 2000-2002, excluding spontaneous fetal deaths with gestations of less than 20 weeks.
COCdsch	Number of cocaine-related hospital discharges for non-prison persons aged 13-64, 2001-2003
Opiodsch	Number of opioid-related hospital discharges for non-prison persons aged 13-64, 2001-2003
STD	Number of syphilis, gonorrhea, and chlamydia cases for persons aged 13-64, 2001-2003
NBpos	Number of newborns tested HIV-positive, 2001-2003
MHIVdsch	Number of HIV-related hospital discharges for non-prisons males aged 13-64, 2001-2003
FHIVdsch	Number of HIV-related hospital discharges for non-prisons females aged 13-64, 2001-2003
AIDS	Number of AIDS cases diagnosed among non-prison persons aged 13-64, 2001-2003
HIV	Number of HIV cases diagnosed among non-prison persons aged 13-64, 2001-2003
NBtest	Number of newborns tested for HIV, 2001-2003
PopF1017	Female population aged 10-17, from 2000 Census
npF1364	Non prison female population aged 13-64
npM1364	Non prison male population aged 13-64
npP1364	Non prison population aged 13-64
Pop1364	Population aged 13-64

Table C2. Numerators and denominators used in the calculation of CNI indicators. (Data sources in parentheses.)

Indicator	Numerator	Denominator	Multiplier
AIDS Cases	AIDS (BHAЕ)	npP1364 (Census)	100,000
HIV Cases	HIV (BHAЕ)	npP1364 (Census)	100,000
Maternal Seroprevalence	NBpos (BHAЕ)	NBtest (BHAЕ)	100
Female HIV Discharge	FHIVdsch (SPARCS)	npF1364 (Census)	100,000
Male HIV Discharge	MHIVdsch (SPARCS)	npM1364 (Census)	100,000
Cocaine Discharge	COCdsch (SPARCS)	npP1364 (Census)	100,000
Opioid Discharge	Opiodsch (SPARCS)	npP1364 (Census)	100,000
Teenage Pregnancy	TEENpreg (BB)	PopF1017 (Census)	1,000
Sexually Transmitted Diseases	STD (SCP and BSC)	Pop1364 (Census)	100,000

Source: BHAЕ Bureau of HIV/AIDS Epidemiology, NYSDOH
 Census US Census
 BB Bureau of Biometrics, NYSDOH
 BSC Bureau of STD Control, NYCDOH
 SCP STD Control Program, NYSDOH
 SPARCS Statewide Planning & Research Cooperative System, NYSDOH

Table C3. County codes and county names in New York State.

County Code	County Name	County Code	County Name
1	Albany	63	Niagara
3	Allegany	65	Oneida
5	Bronx	67	Onondaga
7	Broome	79	Ontario
9	Cattaraugus	71	Orange
11	Cayuga	73	Orleans
13	Chautauqua	75	Oswego
15	Chemung	77	Otsego
17	Chenango	79	Putnam
19	Clinton	81	Queens
21	Columbia	83	Rensselaer
23	Cortland	85	Richmond
25	Delaware	87	Rockland
27	Dutchess	89	St. Lawrence
29	Erie	91	Saratoga
31	Essex	93	Schenectady
33	Franklin	95	Schoharie
35	Fulton	97	Schuyler
37	Genesee	99	Seneca
39	Greene	101	Steuben
41	Hamilton	103	Suffolk
43	Herkimer	105	Sullivan
45	Jefferson	107	Tioga
47	Kings	109	Tompkins
49	Lewis	111	Ulster
51	Livingston	113	Warren
53	Madison	115	Washington
55	Monroe	117	Wayne
57	Montgomery	119	Westchester
59	Nassau	121	Wyoming
61	New York	123	Yates