

HIV Surveillance in Urban and Nonurban Areas

National Center for HIV/AIDS, Viral Hepatitis, STD & TB Prevention
Division of HIV/AIDS Prevention



HIV Infection in Urban and Nonurban Areas

- ❑ Many ways to characterize urban and nonurban areas and populations
- ❑ CDC uses metropolitan statistical areas (MSAs) as defined by the Office of Management and Budget (OMB)
- ❑ OMB subdivides MSAs as:
 - $\geq 500,000$ population
 - 50,000 – 499,999 population
 - Nonmetropolitan ($< 50,000$ population)

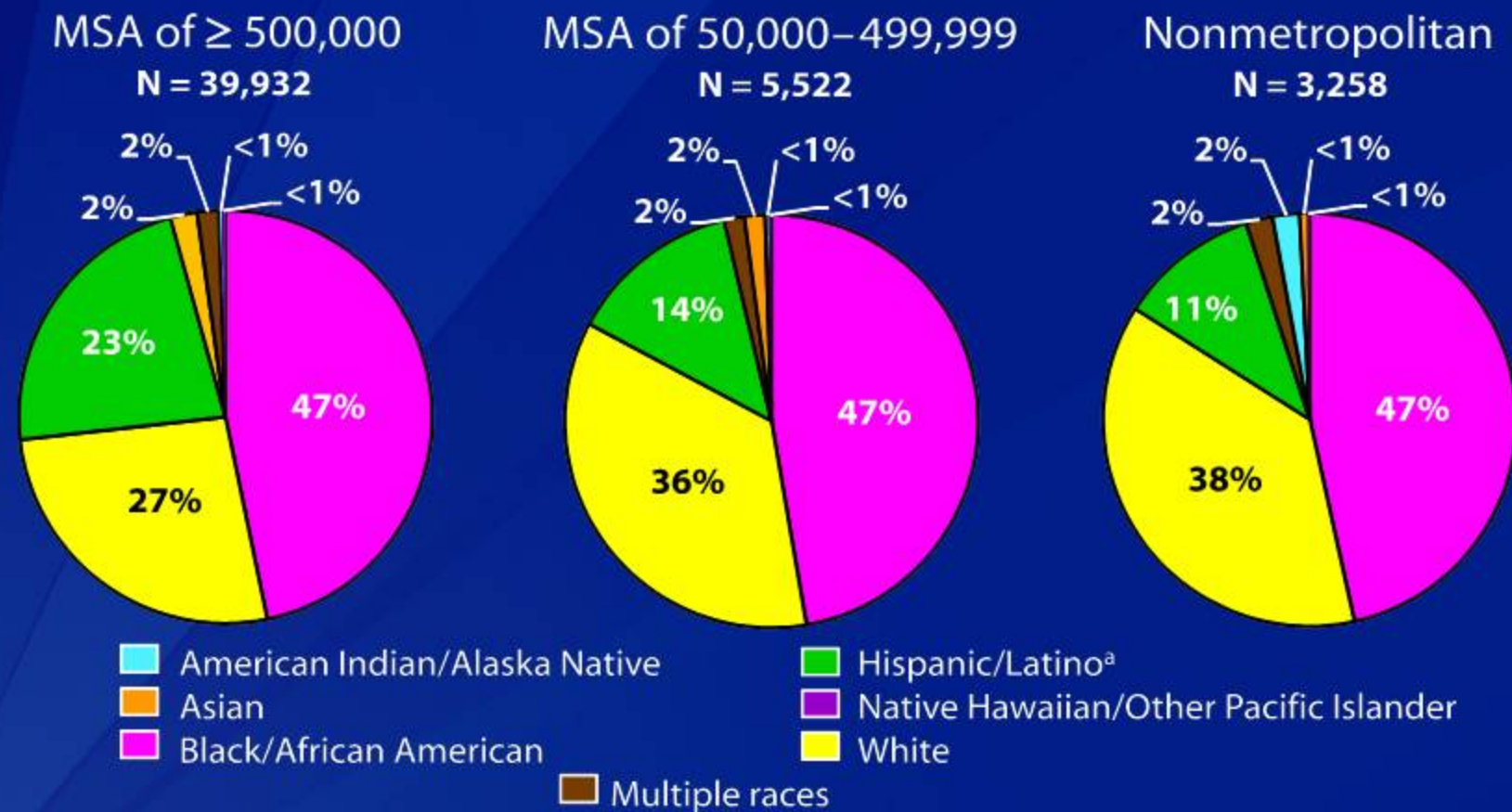
Diagnoses of HIV Infection among Adults and Adolescents, by Population of Area of Residence 2011—United States

MSA Population	No.	Rate
≥ 500,000	39,932	23.6
50,000 – 499,999	5,522	11.8
Nonmetropolitan	3,258	7.7
Total	48,712	18.8

Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.



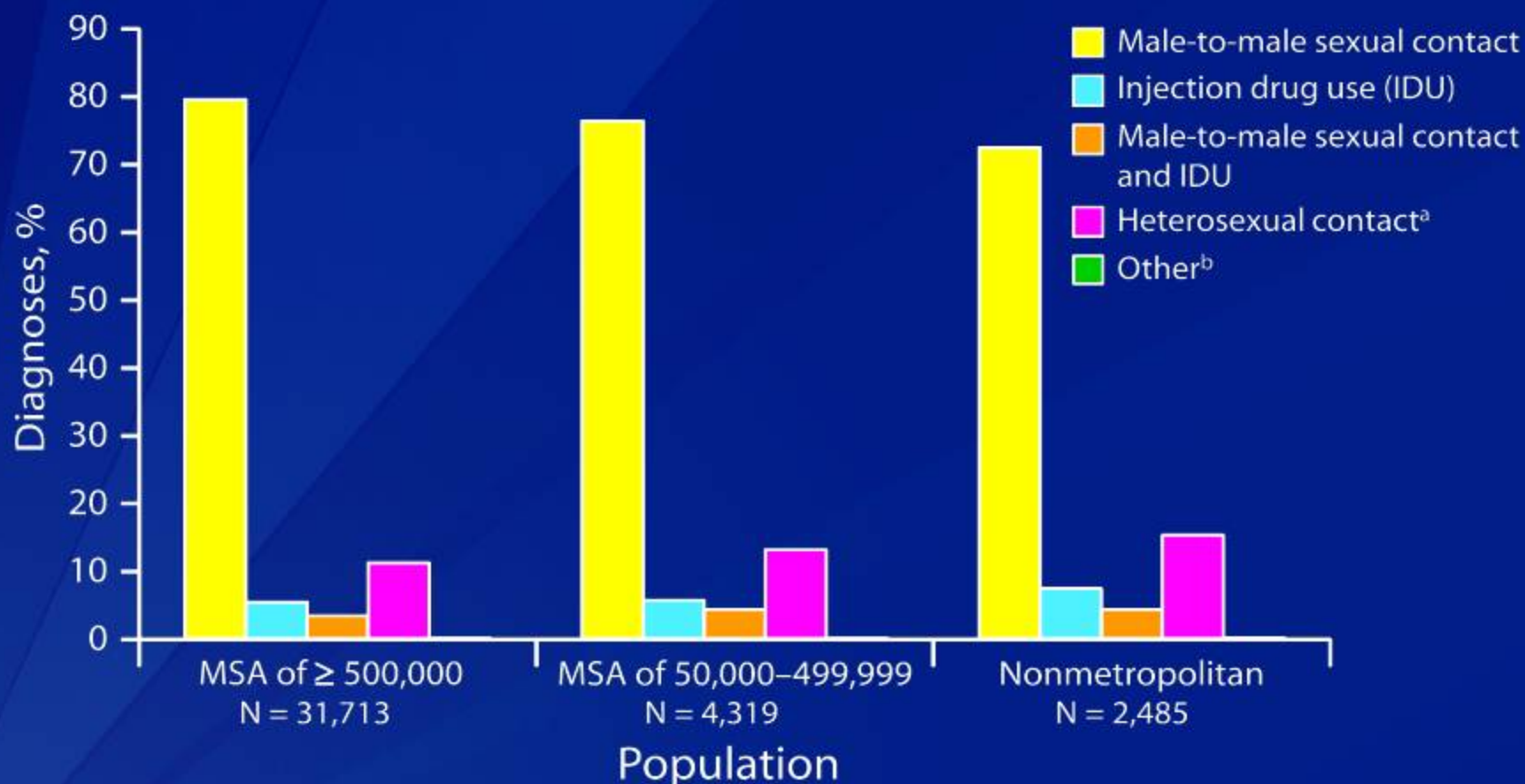
Diagnoses of HIV Infection among Adults and Adolescents, by Population of Area of Residence and Race/Ethnicity, 2011—United States



Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Data do not include persons whose county of residence is unknown.

^a Hispanics/Latinos can be of any race.

Diagnoses of HIV Infection among Adult and Adolescent Males, by Population of Area of Residence and Transmission Category, 2011—United States



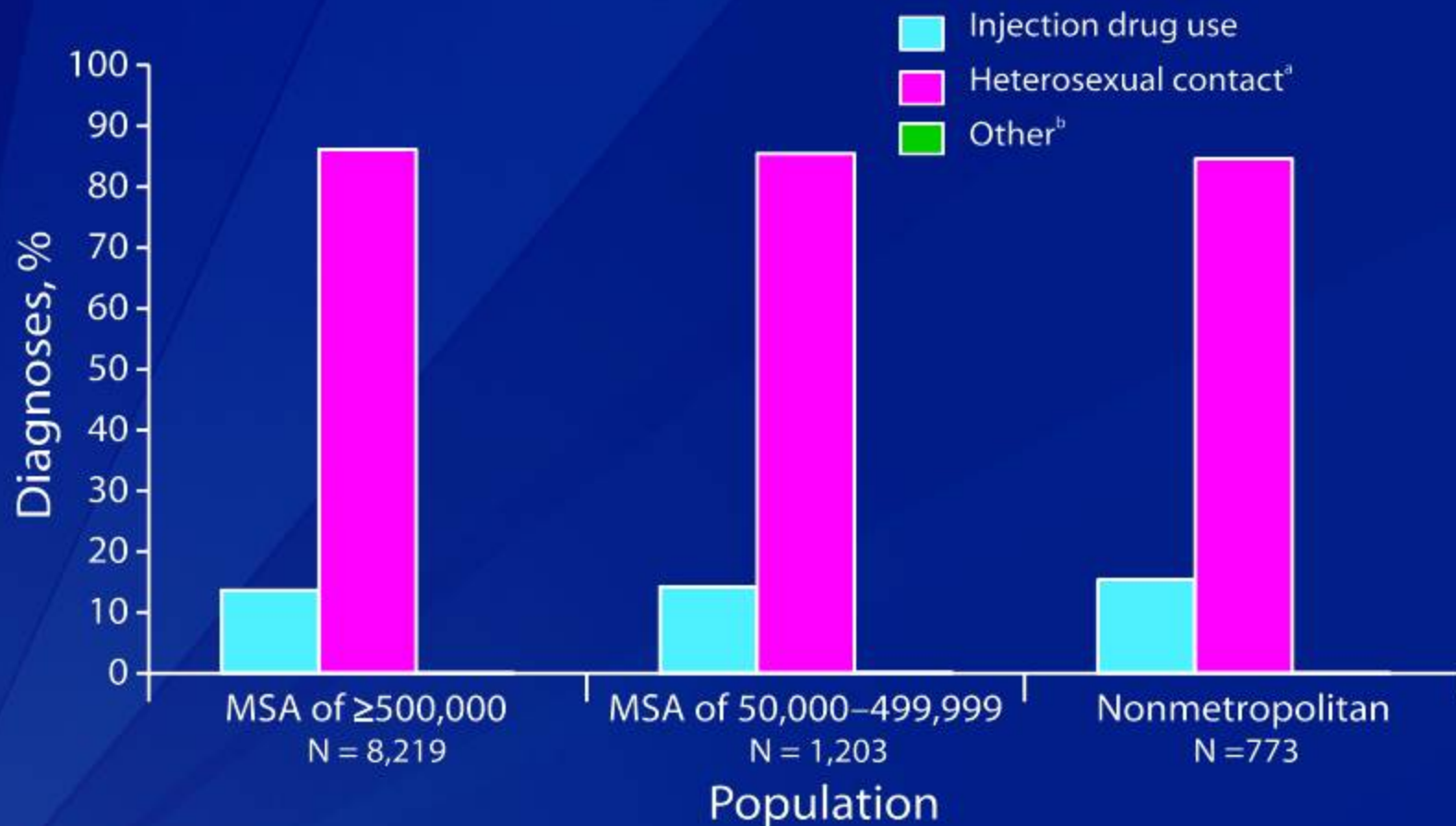
Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays and missing transmission category, but not for incomplete reporting. Data exclude persons whose county of residence is unknown.

^a Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

^b Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.



Diagnoses of HIV Infection among Adult and Adolescent Females, by Population of Area of Residence and Transmission Category, 2011—United States



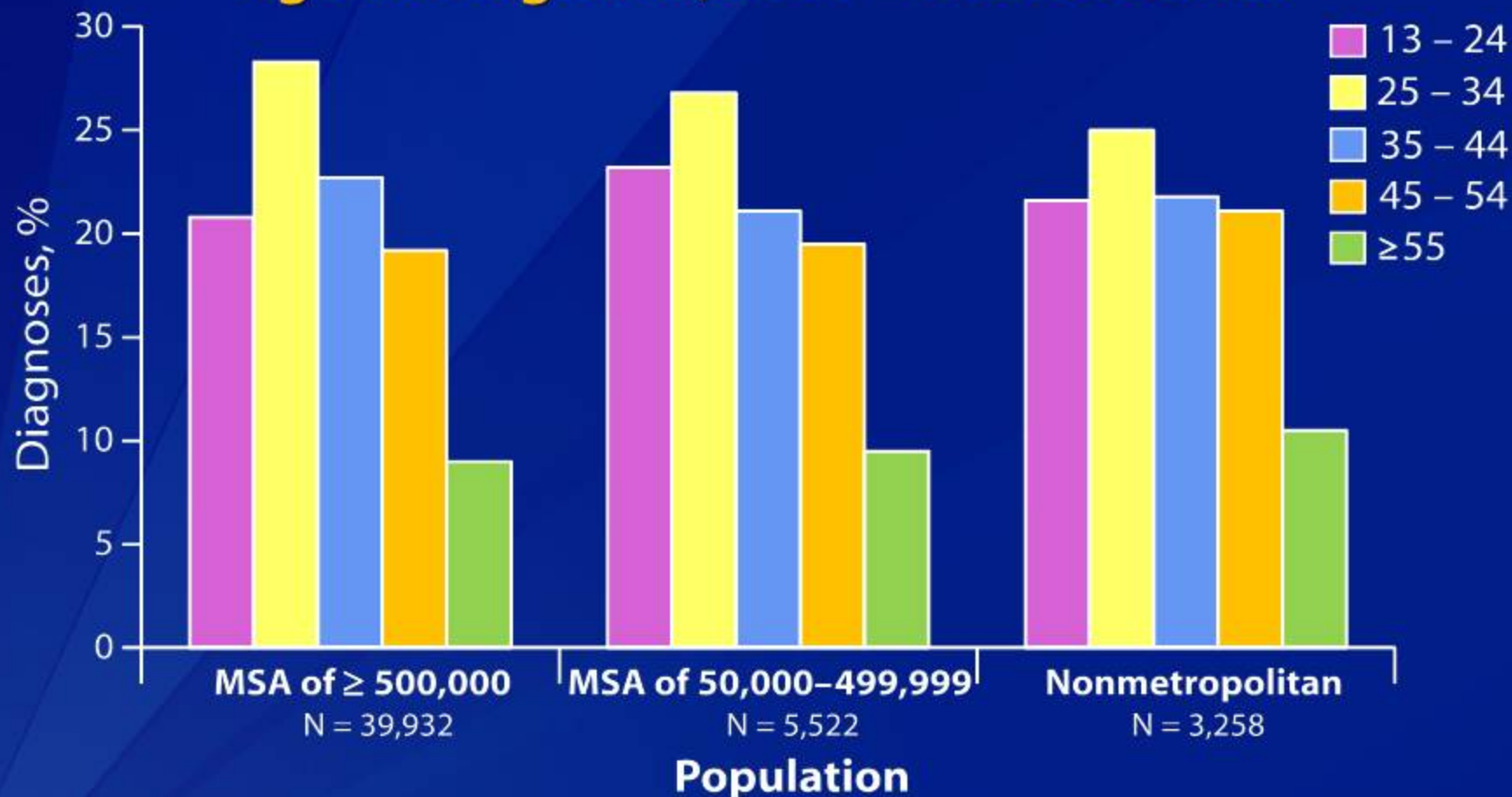
Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays and missing transmission category, but not for incomplete reporting. Data exclude persons whose county of residence is unknown.

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^b Includes blood transfusion, perinatal exposure, and risk factor not reported or not identified.



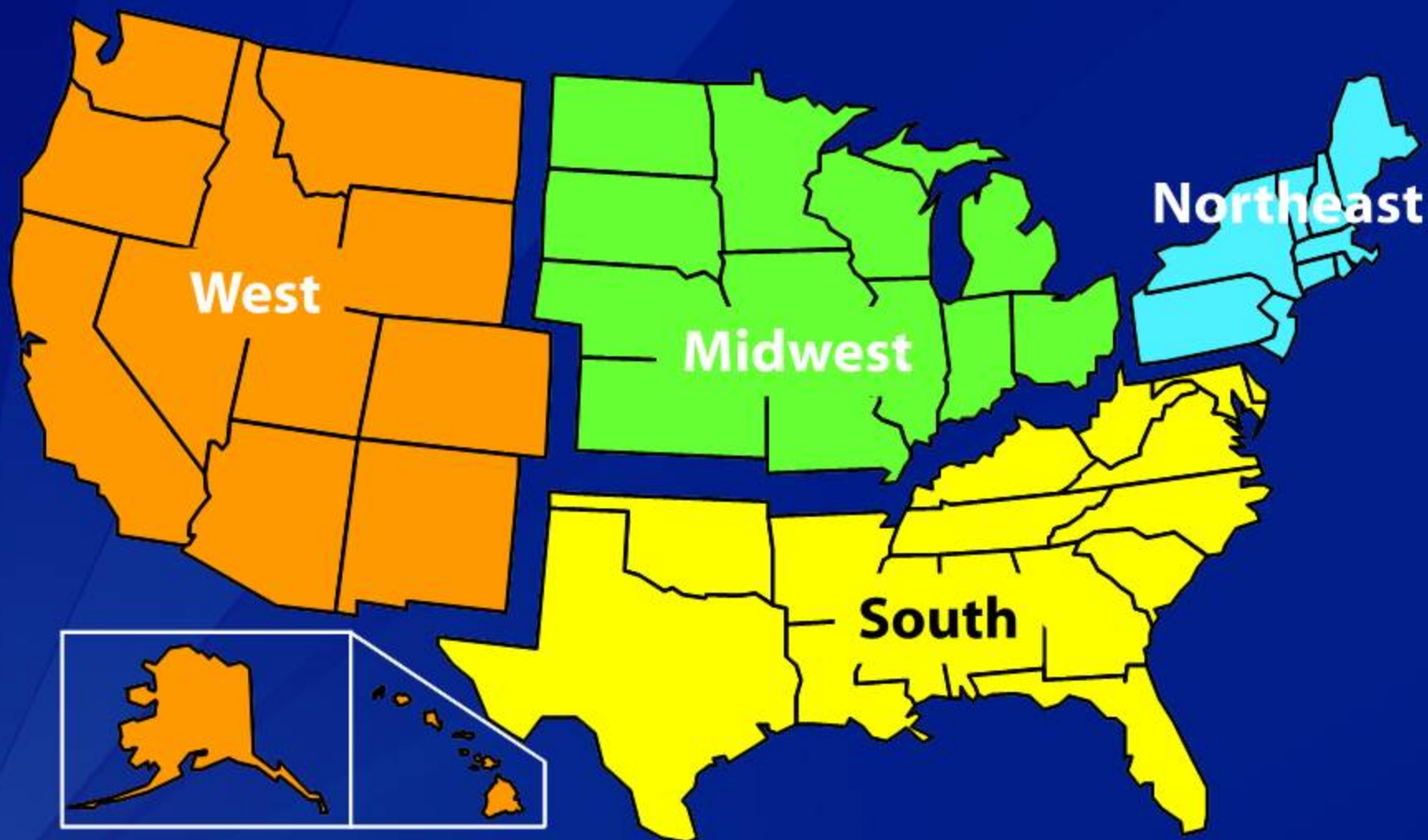
Diagnoses of HIV Infection among Adults and Adolescents, by Population of Area of Residence and Age at Diagnosis, 2011—United States



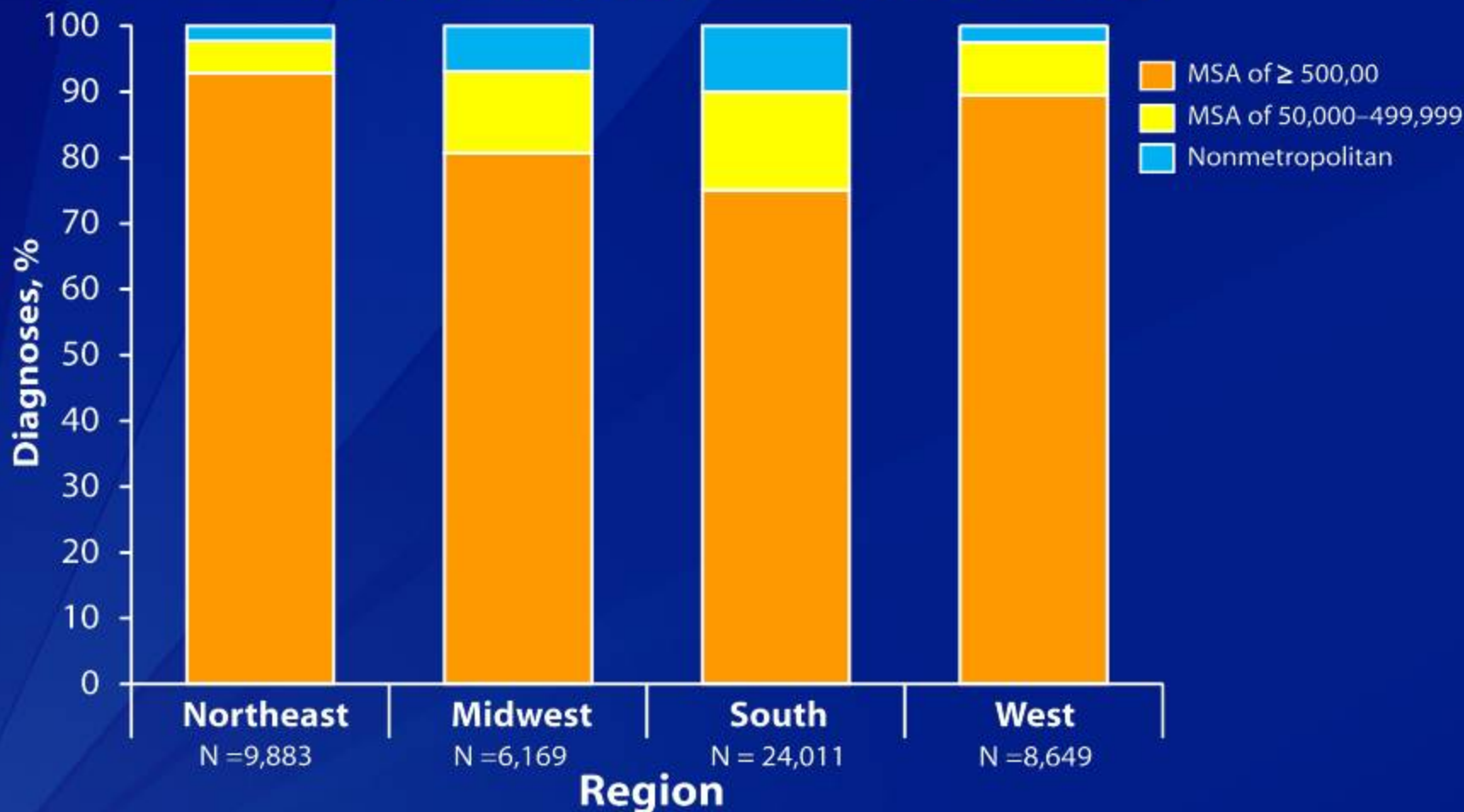
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Regions of the United States



Diagnoses of HIV Infection among Adults and Adolescents, by Region and Population of Area of Residence, 2011—United States



Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Data exclude persons whose county of residence is unknown.

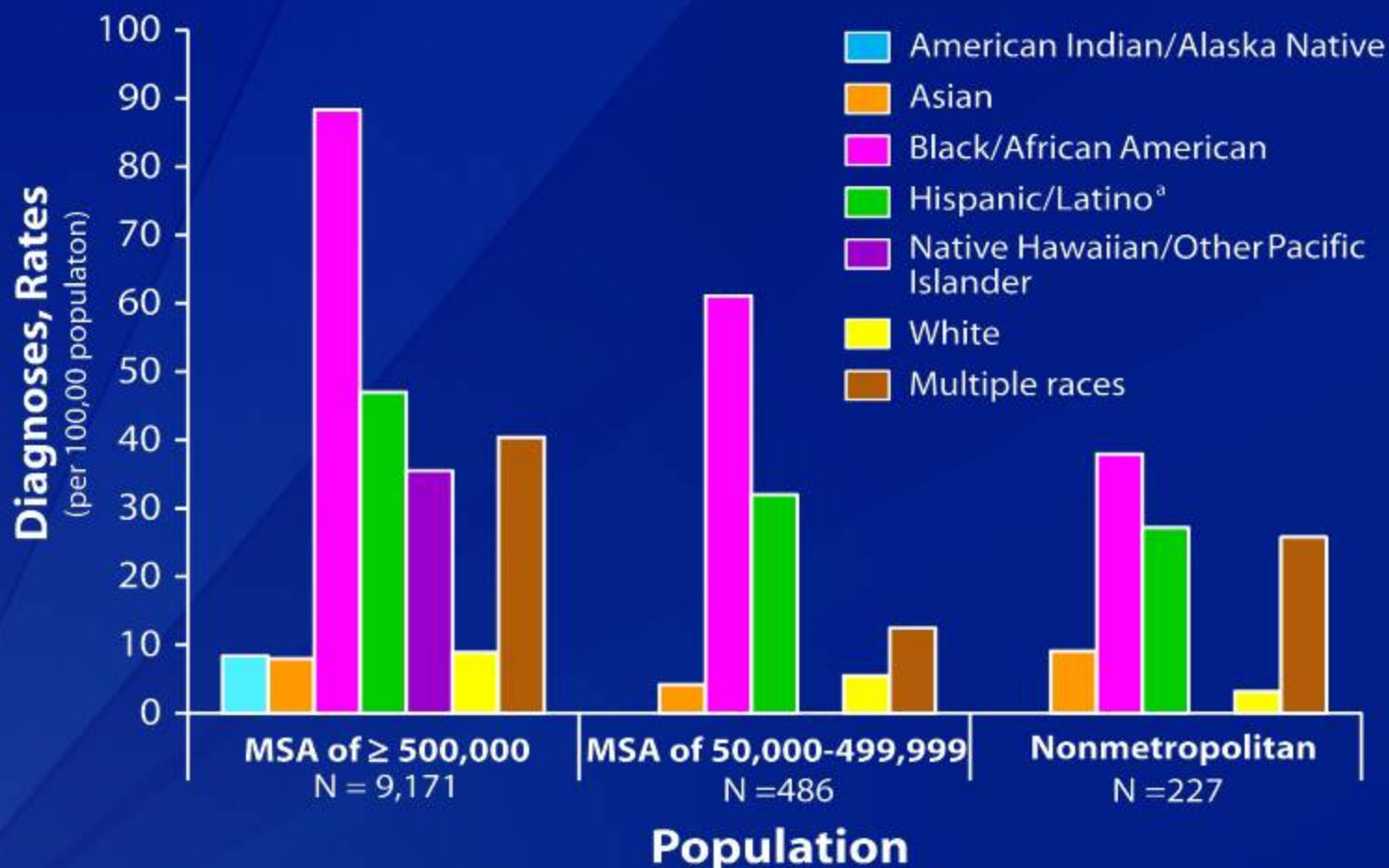
Diagnoses of HIV Infection among Adults and Adolescents, by Population of Area of Residence and Region, 2011—United States

Region of residence	MSA of $\geq 500,000$		MSA of 50,000-499,999		Non-metropolitan	
	No.	Rate	No.	Rate	No.	Rate
Northeast N = 9,883	9,171	24.4	486	10.1	227	4.9
Midwest N = 6,169	4,979	16.2	765	6.3	425	3.3
South N = 24,011	18,041	31.7	3,579	17.8	2,390	12.7
West N = 8,649	7,741	17.6	692	7.0	216	3.6

Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.



Rates of Diagnoses of HIV Infection among Adults and Adolescents in the Northeast, by Population of Area of Residence and Race/Ethnicity, 2011—United States

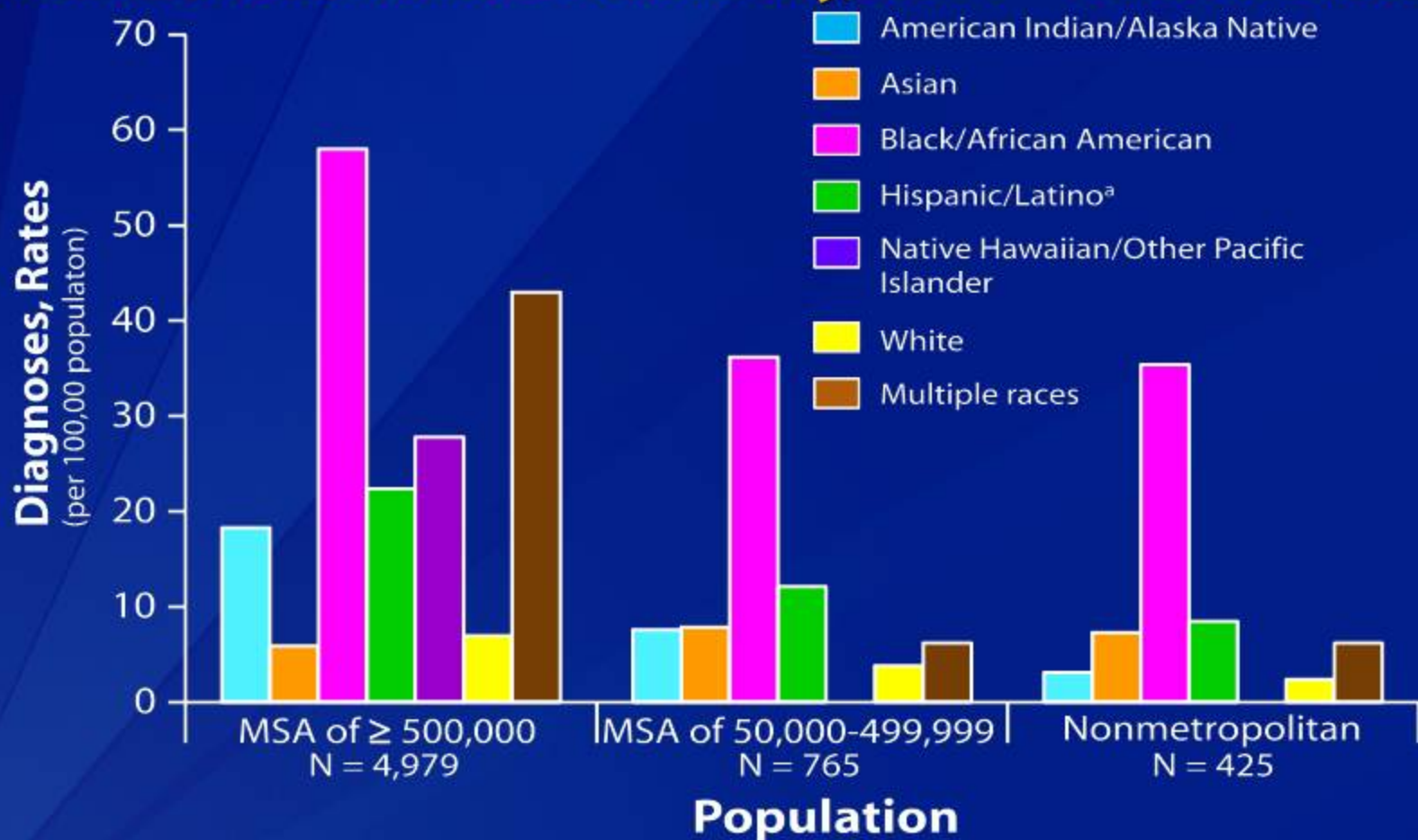


Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.

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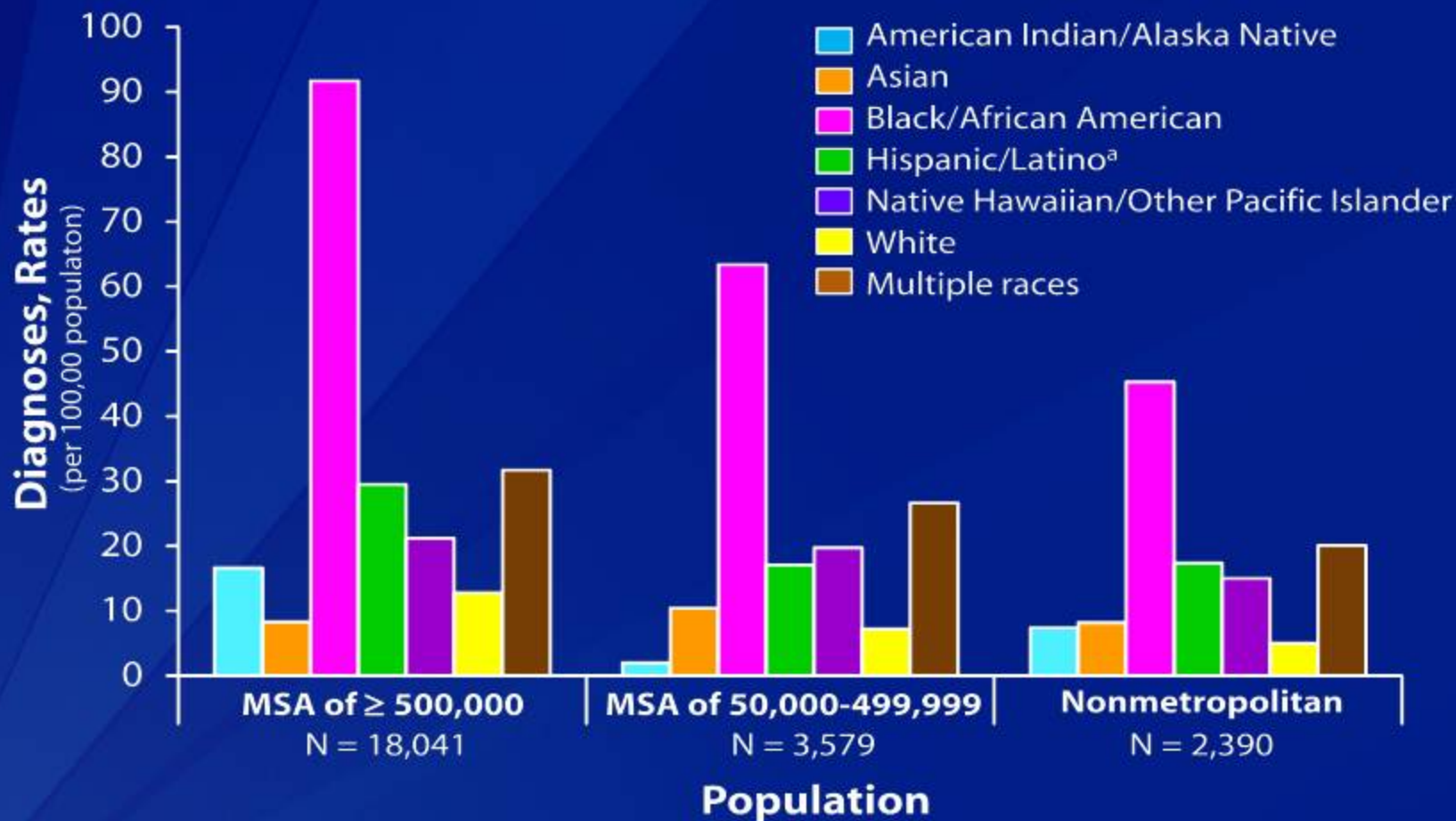
Rates of Diagnoses of HIV Infection among Adults and Adolescents in the Midwest, by Population of Area of Residence and Race/Ethnicity, 2011—United States



Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.

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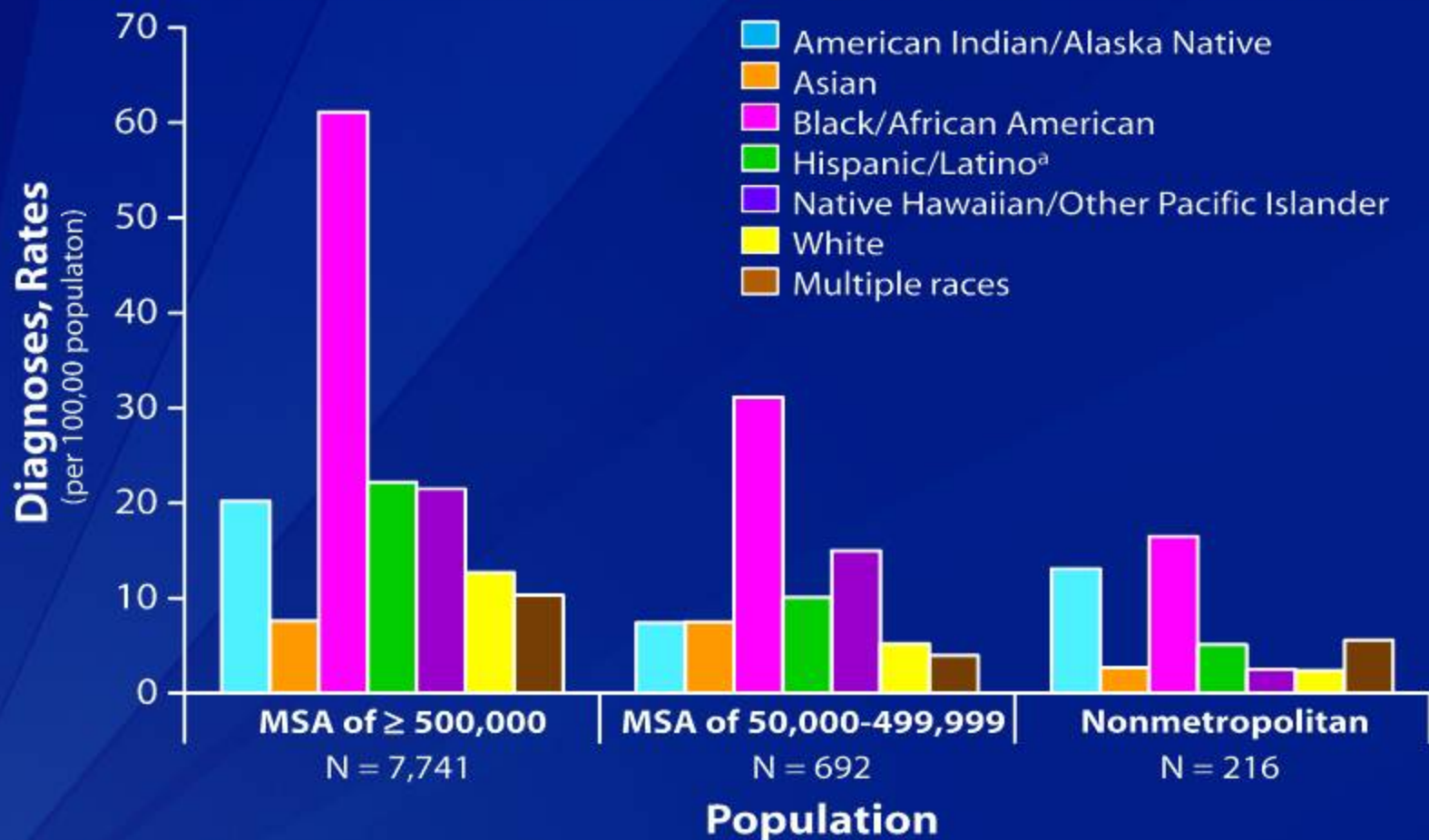
Rates of Diagnoses of HIV Infection among Adults and Adolescents in the South, by Population of Area of Residence and Race/Ethnicity, 2011—United States



Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.

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Rates of Diagnoses of HIV Infection among Adults and Adolescents in the West, by Population of Area of Residence and Race/Ethnicity, 2011—United States



Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.

^a Hispanics/Latinos can be of any race.



Adults and Adolescents Living with Diagnosed HIV Infection by Population of Area of Residence and Race/Ethnicity Year-end 2010—United States

Race/ethnicity	MSA of ≥500,000		MSA of 50,000–499,999		Non- metropolitan	
	No.	Rate	No.	Rate	No.	Rate
American Indian/Alaska Native	1,957	289.1	521	137.6	663	88.3
Asian ^a	8,799	80.4	540	51.3	233	59.0
Black/African American	315,061	1,384.2	37,282	826.9	25,119	732.5
Hispanic/Latino ^b	147,247	485.7	10,453	208.2	5,677	207.2
Native Hawaiian/Other Pacific Islander	720	245.0	75	143.8	91	173.4
White	234,262	234.0	36,502	104.3	21,185	61.8
Multiple races	12,036	494.2	1,344	215.9	869	172.9
Total^c	720,629	430.1	86,808	186.1	53,906	127.8

Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.

^a Includes Asian/Pacific Islander legacy cases.

^b Hispanics/Latinos can be of any race.

^c Includes persons of unknown race/ethnicity.



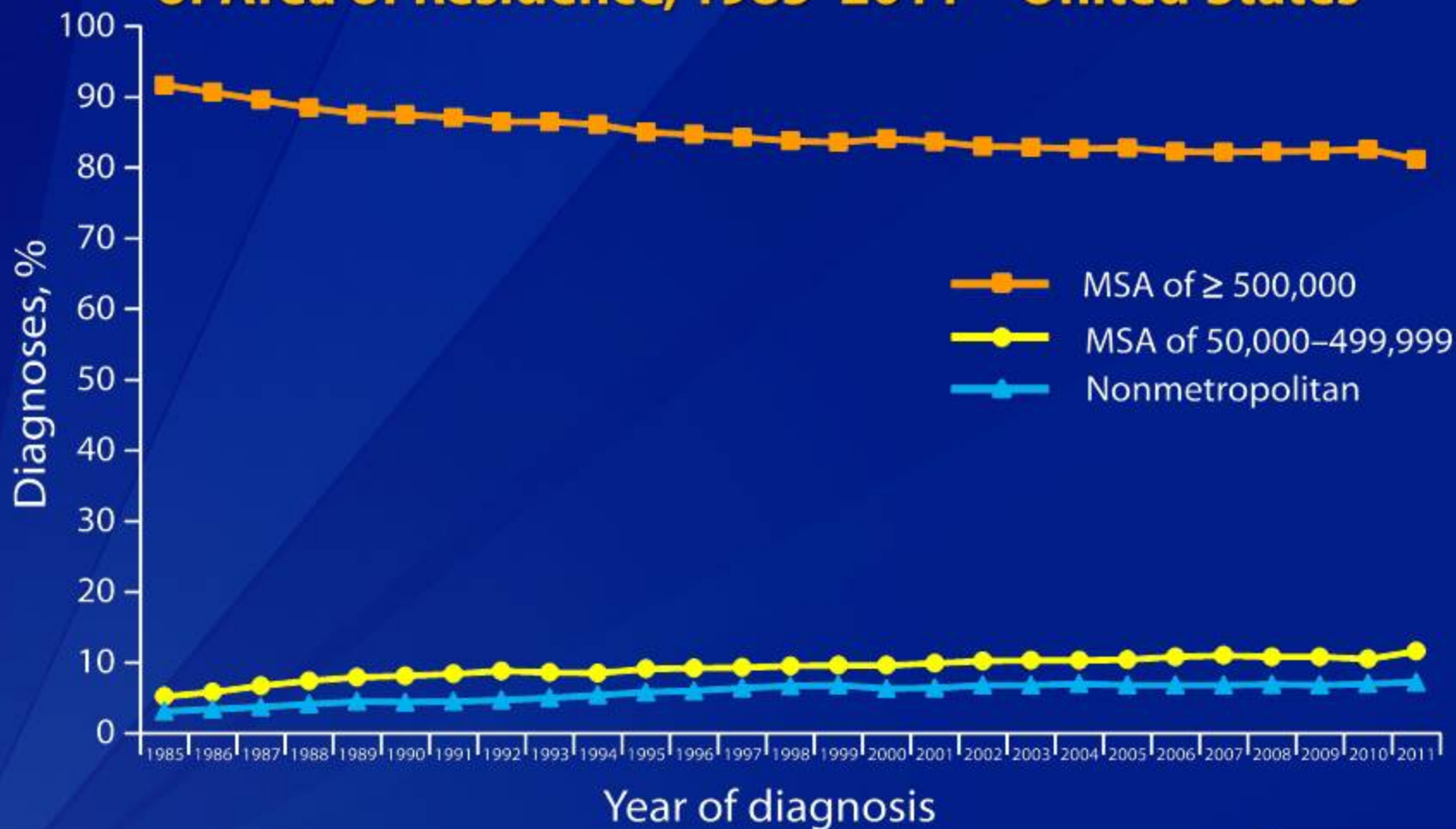
Adults and Adolescents Living with Diagnosed HIV Infection, by Population of Area of Residence and Region, Year-end 2010—United States

Region of residence	MSA of $\geq 500,000$		MSA of 50,000-499,999		Non-metropolitan	
	No.	Rate	No.	Rate	No.	Rate
Northeast N = 136,294	230,396	569.1	11,472	238.3	6,508	141.6
Midwest N = 51,305	99,784	260.3	13,177	109.2	6,836	53.4
South N = 191,029	365,012	498.6	49,454	247.8	35,955	191.1
West N = 95,266	166,150	342.1	12,705	129.5	4,608	77.2

Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.



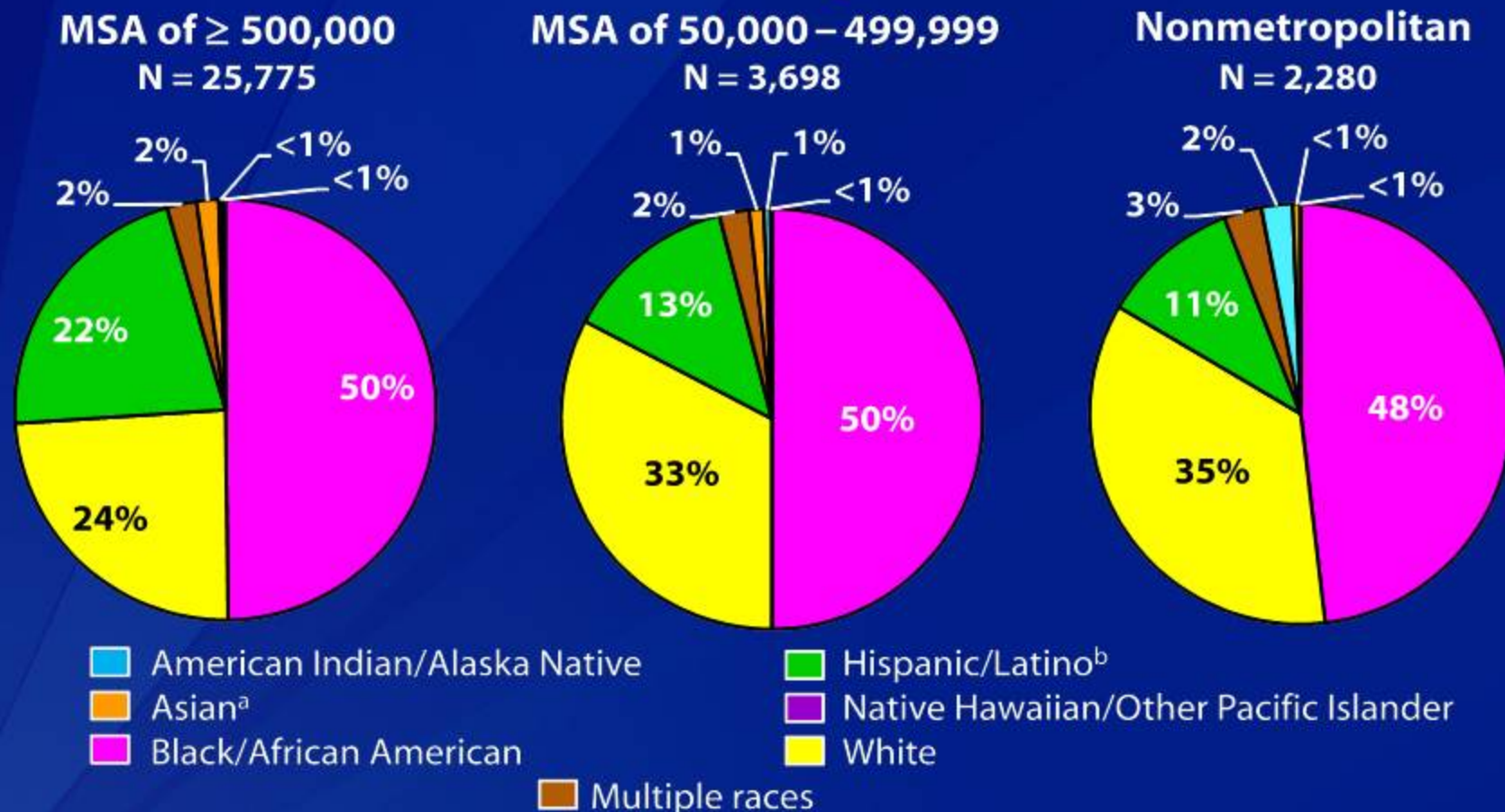
Percentages of Stage 3 (AIDS) Classifications among Adults and Adolescents with HIV Infection, by Population of Area of Residence, 1985–2011—United States



Note: All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Data exclude persons whose county of residence is unknown.



Stage 3 (AIDS) Classifications among Adults and Adolescents with HIV Infection, by Population of Area of Residence and Race/Ethnicity, 2011—United States

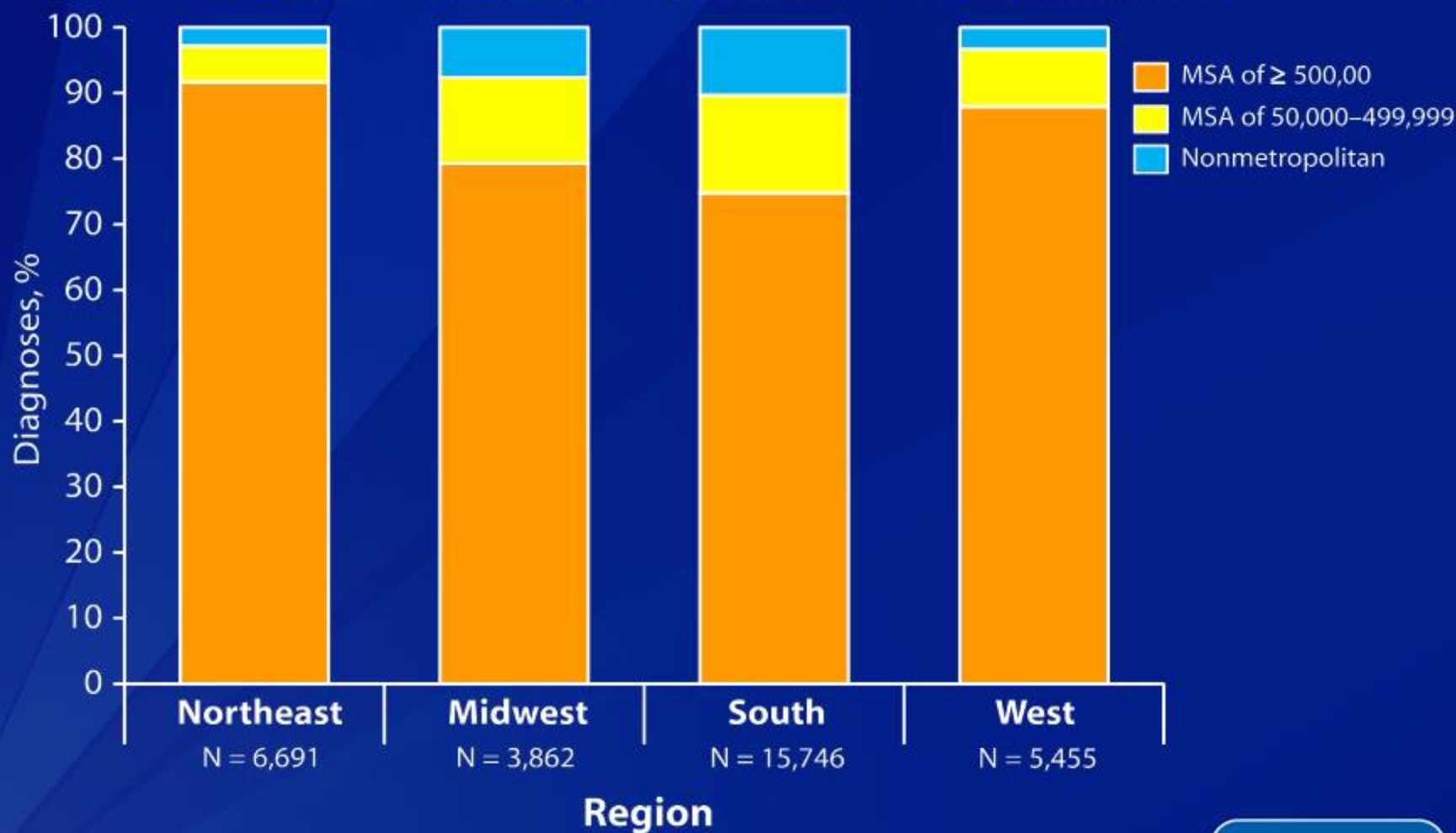


Note: All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Data exclude persons whose county of residence is unknown.

^a Includes Asian/Pacific Islander legacy cases.

^b Hispanics/Latinos can be of any race.

Stage 3 (AIDS) Classifications among Adults and Adolescents with HIV Infection, by Region and Population of Area of Residence, 2011—United States



Note: All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Data exclude persons whose county of residence is unknown.

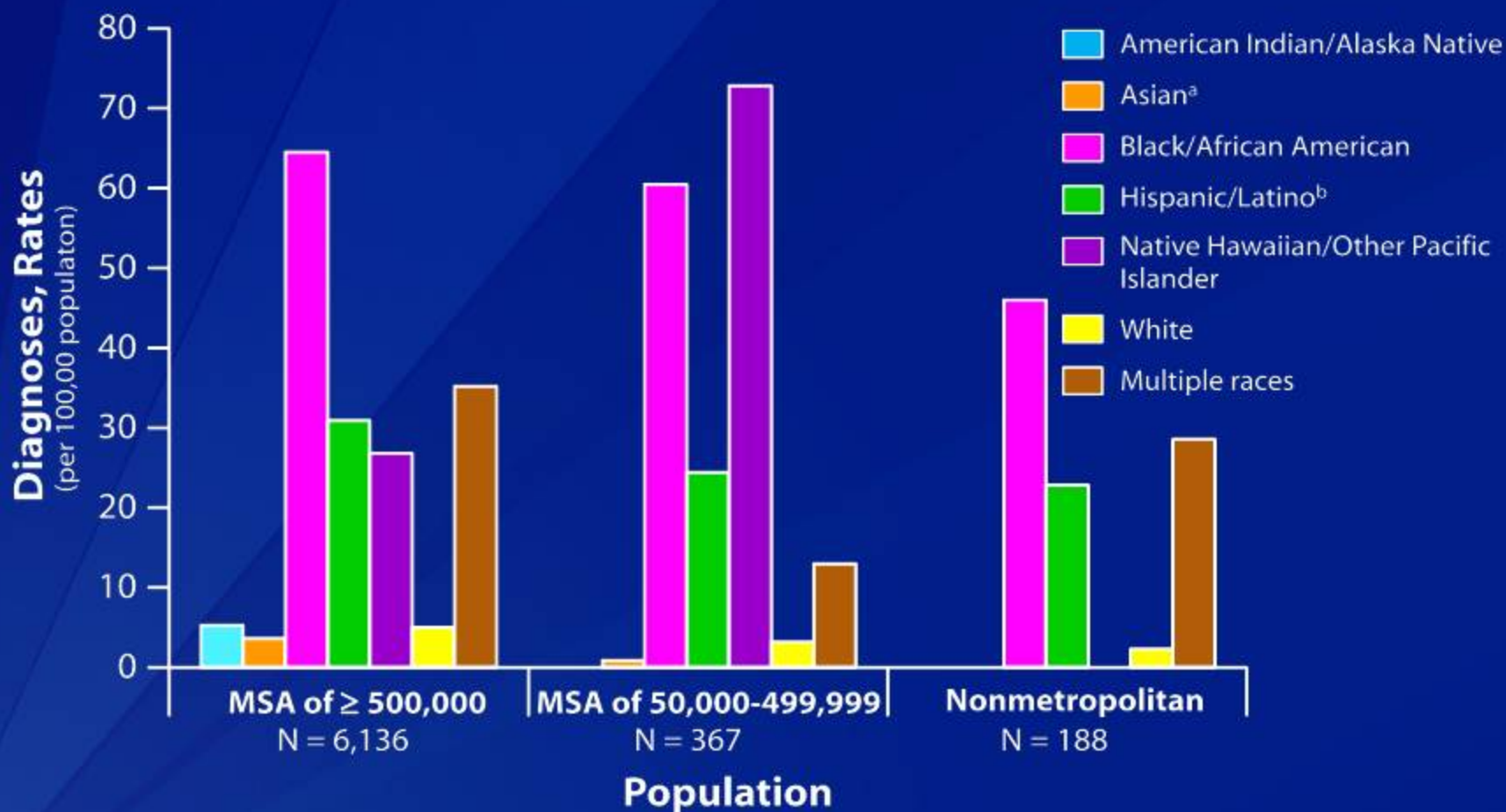
Stage 3 (AIDS) Classifications among Adults and Adolescents with HIV Infection, by Population of Area of Residence and Region, 2011—United States

Region of residence	MSA of $\geq 500,000$		MSA of 50,000-499,999		Non-metropolitan	
	No.	Rate	No.	Rate	No.	Rate
Northeast N = 6,691	6,136	16.4	367	7.6	188	4.1
Midwest N = 3,862	3,062	9.9	506	4.2	294	2.3
South N = 15,746	11,776	20.7	2,352	11.7	1,618	8.6
West N = 5,455	4,802	10.9	473	4.8	180	3.0

Note: All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.



Rates of Stage 3 (AIDS) Classifications among Adults and Adolescents with HIV Infection in the Northeast, by Population of Area of Residence and Race/Ethnicity, 2011—United States



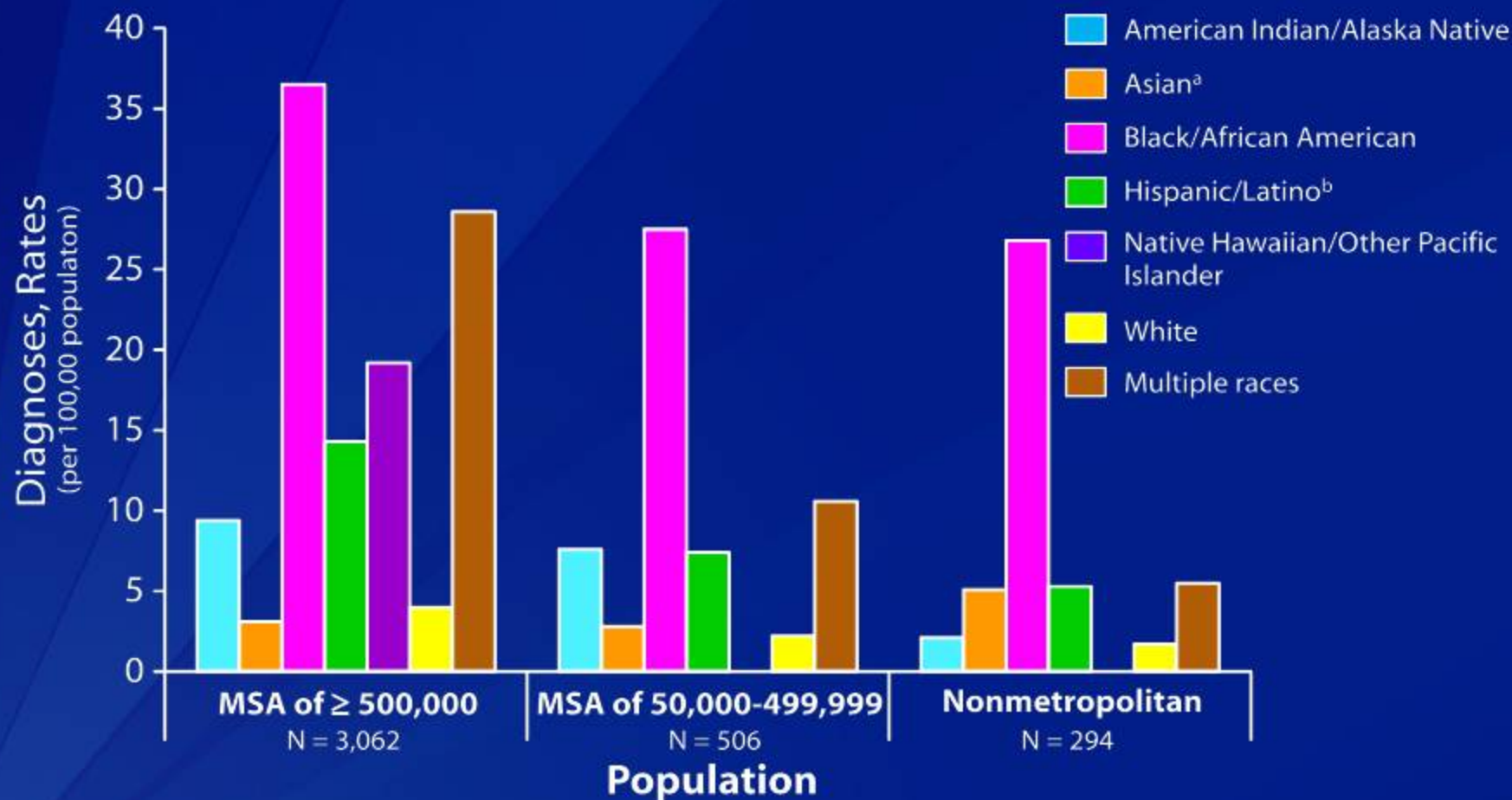
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Rates of Stage 3 (AIDS) Classifications among Adults and Adolescents with HIV Infection in the Midwest, by Population of Area of Residence and Race/Ethnicity, 2011—United States



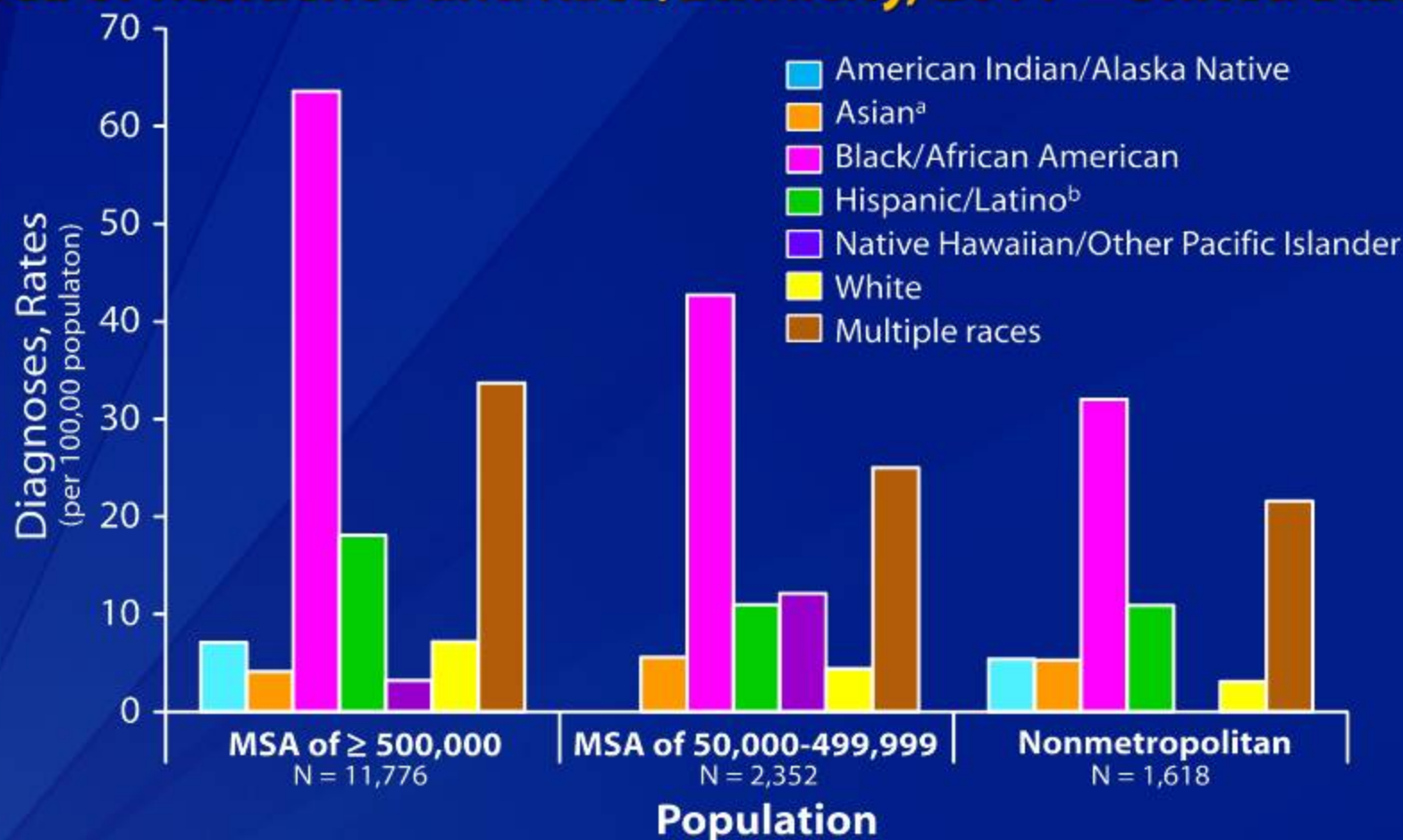
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Rates of Stage 3 (AIDS) Classifications among Adults and Adolescents with HIV Infection in the South, by Population of Area of Residence and Race/Ethnicity, 2011—United States



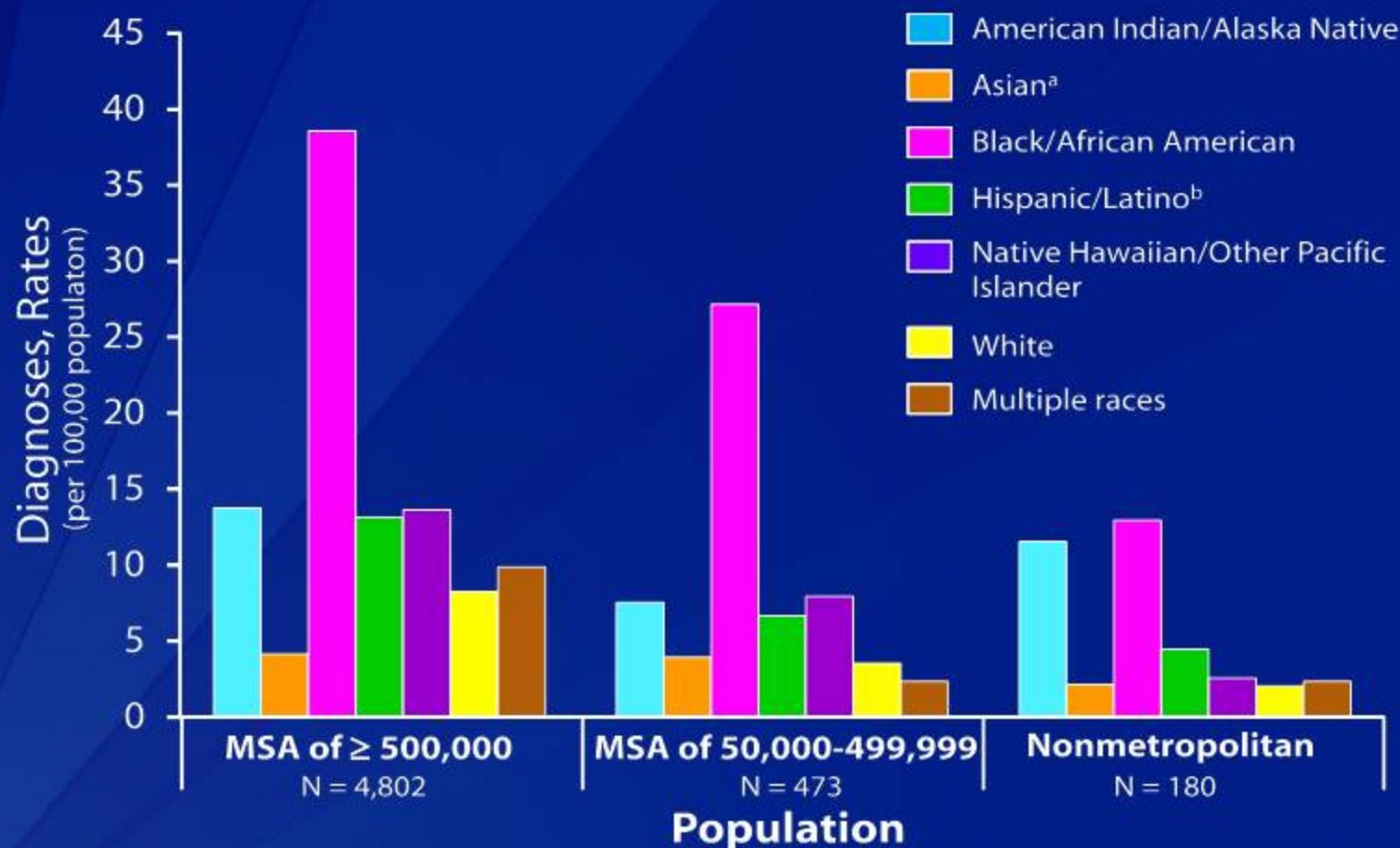
Note. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.

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Rates of Stage 3 (AIDS) Classifications among Adults and Adolescents with HIV Infection in the West, by Population of Area of Residence and Race/Ethnicity, 2011—United States



Note. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting.

Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.

^a Includes Asian/Pacific Islander legacy cases.

^b Hispanics/Latinos can be of any race.



Adults and Adolescents Living with Diagnosed HIV Infection Ever Classified as Stage 3 (AIDS), by Population of Area of Residence and Region Year-end 2010—United States

Region of residence	MSA of $\geq 500,000$		MSA of 50,000-499,999		Non-metropolitan	
	No.	Rate	No.	Rate	No.	Rate
Northeast N = 137,554	127,155	340.7	6,562	136.3	3,837	83.5
Midwest N = 52,094	41,523	135.5	6,718	55.7	3,853	30.1
South N = 194,893	151,152	269.5	25,026	125.4	18,715	99.5
West N = 100,281	89,348	205.4	7,973	81.3	2,960	49.6

Note: All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting. Rates are per 100,000 population. Data exclude persons whose county of residence is unknown.

