

OPIOID OVERDOSE SURVEILLANCE

GEORGIA, 2016 (Preliminary Report)



Georgia Department of Public Health (DPH) • Epidemiology Section
dph.georgia.gov/epidemiology





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Georgia, 2016

The purpose of this report is to describe fatal (mortality) and nonfatal (morbidity) **opioid-involved overdoses**, including **prescription opioids**, and **illicit opioids** such as heroin and synthetic opioids (e.g., fentanyl and fentanyl analogs), which occurred in Georgia during 2016. Opioid overdose data were analyzed by the Georgia Department of Public Health (DPH) Epidemiology Section, using Georgia hospital discharge inpatient and emergency department (ED) visit data, and DPH Vital Records death data.



Key Findings

Opioid-involved overdose deaths have been rapidly increasing in Georgia since 2010, driven largely by increased use and misuse of **prescription opioids** (e.g., **Oxycodone and Hydrocodone**). 📉 From **2010 to 2016**, the total number of opioid-involved overdose deaths **increased by 117%**, from **426 to 929** deaths, and the rate **increased by 111%**, from **4.3 to 9.1** deaths/100,000 persons. 📉 Beginning in **2013**, **illicit opioids, such as heroin and fentanyl, drove the sharp increase** in opioid-involved overdose deaths.

IN 2016 IN GEORGIA:

- Any opioid-involved overdoses accounted for **2,435** ED visits, **1,709** hospitalizations, and **929** deaths.
- Heroin-involved overdoses accounted for **849** ED visits, **251** hospitalizations, and **231** deaths.
- Fentanyl-involved overdoses accounted for **199** deaths.
- Persons aged **25-34** years visited an ED and/or died from an opioid-involved overdose more frequently than persons in other age categories, yet persons aged **65-74** years were most likely to be hospitalized because of an opioid-involved overdose. **Males aged 25-34** years died from an opioid-involved overdose more frequently than any other age category, and were **2.1** times more likely to die from an overdose than females of the same age category.
- Males were **1.6** times more likely to die from any opioid-involved overdose, and **4.1** times more likely to die from a heroin-involved overdose than females. Males also visited an ED for an opioid-involved overdose more frequently than females, but females, particularly older females, were more frequently hospitalized for an opioid-involved overdose.



- Whites were **4.2** times more likely to die from an opioid-involved overdose, **2.3** times more likely to visit an ED for any opioid-involved overdose, and **4.5** times more likely to visit an ED for a heroin-involved overdose than Blacks.
- The highest numbers of heroin-involved overdose deaths, ED visits, and hospitalizations occurred predominantly in **urban areas** (Atlanta Metropolitan Area, Augusta, Macon, Columbus, and Savannah). However, high rates of opioid overdose-involved ED visits and hospitalizations occurred in **both urban and rural areas**, particularly in North, South Central, and Southeast Georgia.



Fatal Overdoses (Mortality), Georgia, 2016

DATA SOURCE

Overdose-related deaths were derived from DPH Vital Records death certificates for all deaths that occurred in Georgia during 2016

CASE DEFINITIONS (CATEGORIES ARE NOT MUTUALLY EXCLUSIVE)

Any drug overdose

May include any over the counter, prescription, or illicit drug

Deaths with any of the following ICD-10 codes as the underlying cause of death: X40-44, X60-64, X54, Y10-14

Any opioid overdose

May include any prescription opioid (e.g., Oxycodone, Hydrocodone, etc.), or illicit opioid (e.g., heroin, Fentanyl, other synthetic opioids, etc.)

Deaths with any of the following ICD-10 codes as the underlying cause of death: X40-44, X60-64, X54, Y10-14

AND

With any of the following ICD-10 multiple cause-of-death codes: T40.0, T40.1, T40.2, T40.3, T40.4, T40.6

OR

Cause of death or description of injury text field contained the following keywords: heroin (heroin, herion, heroin), fentanyl, acetyl fentanyl, furanyl fentanyl, methadone, buprenorphine, butalbital, codeine, eddp, methadone, hydrocodone, hydromorphone, levorphanol, meperidine, methadone, norbuprenorphine, oxycodone, oxymorphone, tapentadol, tramadol

Heroin overdose

Deaths with any of the following ICD-10 codes as the underlying cause of death: X40-44, X60-64, X54, Y10-14

AND

With the ICD-10 multiple cause-of-death code T40.1

OR

Cause of death or description of injury text field contained the following keywords: heroin (heroin, herion, heroin)

Fentanyl overdose

Cause of death or description of injury text field contained the following keywords: fentanyl, acetyl fentanyl, furanyl fentanyl

OTHER DEFINITIONS OR LIMITATIONS

Overdose death county represents the place of injury (where the overdose occurred), when the place of injury field was blank the county of the death certifier was used

Rate indicates deaths per 100,000 persons using 2016 Census data as the denominator, and all rates are age- adjusted unless age category is presented

Rates for categories with fewer than 15 deaths may not be accurate and are not presented in these data

Heroin-involved overdoses are included in the any opioid drug category, and may have involved other opioids as well

ICD-10 CODE DESCRIPTION

X40-X44 (accidental poisonings by drugs), X60-X64 (intentional self-poisoning by drugs), X85 (assault by drug poisoning), Y10-Y14 (drug poisoning of undetermined intent), T40.0 (opium), T40.1 (heroin), T40.2 (natural and semisynthetic opioids), T40.3 (methadone), T40.4 (synthetic opioids, other than methadone), T40.6 (other and unspecified narcotics)



Nonfatal Overdoses (Morbidity), Georgia, 2016

DATA SOURCE

Nonfatal overdose counts were derived from Georgia hospital discharge inpatient and ED visit data, and included all ED visits or hospitalizations occurring in a non-Federal acute care hospital in Georgia, among Georgia residents, with a discharge diagnosis indicating acute drug overdose during 2016

CASE DEFINITIONS (CATEGORIES ARE NOT MUTUALLY EXCLUSIVE)

Any drug overdose

May include any over the counter, prescription, or illicit drug

ICD-10CM codes as the principal diagnosis: T36-T50

AND

a 6th character: 1-4, and a 7th character of A, D, or missing

Any opioid-involved overdose

May include any prescription opioid (e.g., Oxycodone, Hydrocodone, etc.), or illicit opioid (e.g., heroin, Fentanyl, other synthetic opioids, etc.)

ICD-10CM codes as the principal diagnosis: T40.0X, T40.1X, T40.2X, T40.3X, T40.60, T40.69

AND

a 6th character: 1-4, and a 7th character of A, D, or missing

Heroin-involved overdose

ICD-10CM codes as the principal diagnosis: T40.1X

AND

a 6th character: 1-4, and a 7th character of A, D, or missing

OTHER DEFINITIONS OR LIMITATIONS

County indicates the patient's county of residence

Only black and white are indicated for race because of incomplete or sparse data on other races and ethnicities

Patients that were admitted through the ED and subsequently hospitalized only appear in the hospital inpatient data

Rate indicates ED visits or hospitalizations per 100,000 persons using 2016 Census data as the denominator, and all rates are age-adjusted unless age category is presented

Rates for categories with fewer than 15 ED visits or hospitalizations may not be accurate and are not presented in these data

Heroin-involved overdoses are included in the any opioid drug category, and may have involved other opioids as well

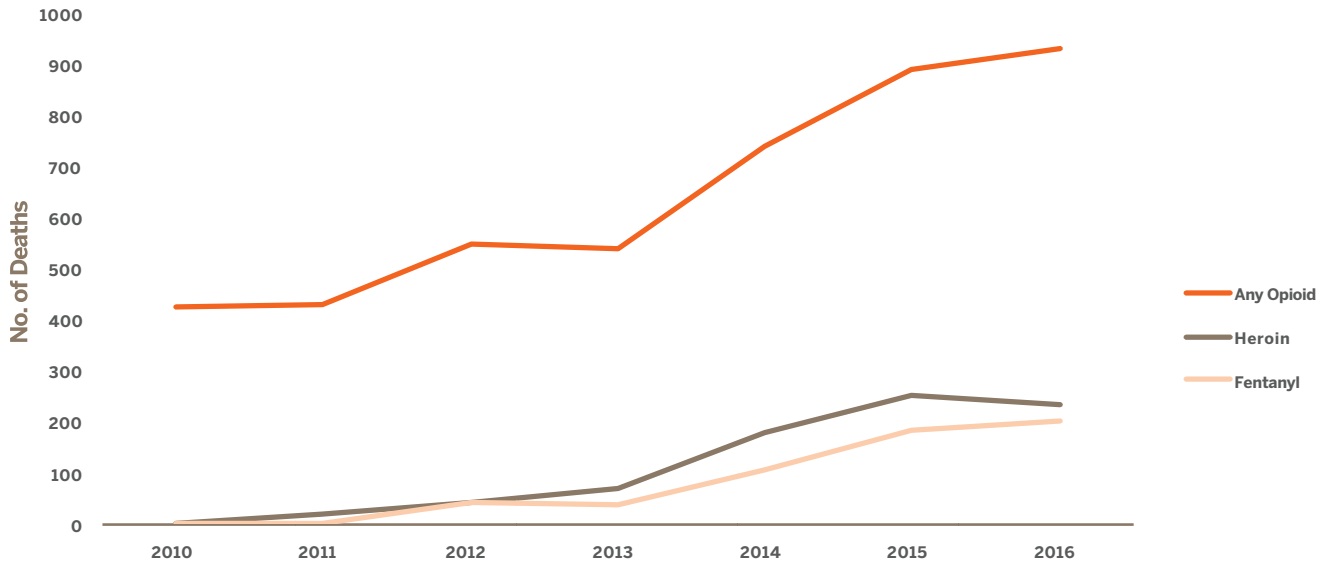
ICD-10 CM CODE DESCRIPTION

Poisoning by: T36-T50 (range includes all drugs), T40.0X (opium), T40.1X (heroin), T40.2X (other opioids), T40.3X (methadone), T40.4X (synthetic narcotics), T40.60 (unspecified narcotics), T40.69 (other narcotics)
6th Character: 1 (accidental, unintentional), 2 (Intentional self-harm), 3 (Assault), 4 (undetermined intent)
7th Character: A (initial encounter), D (subsequent encounter), or missing



Opioid-Overdose Related Mortality

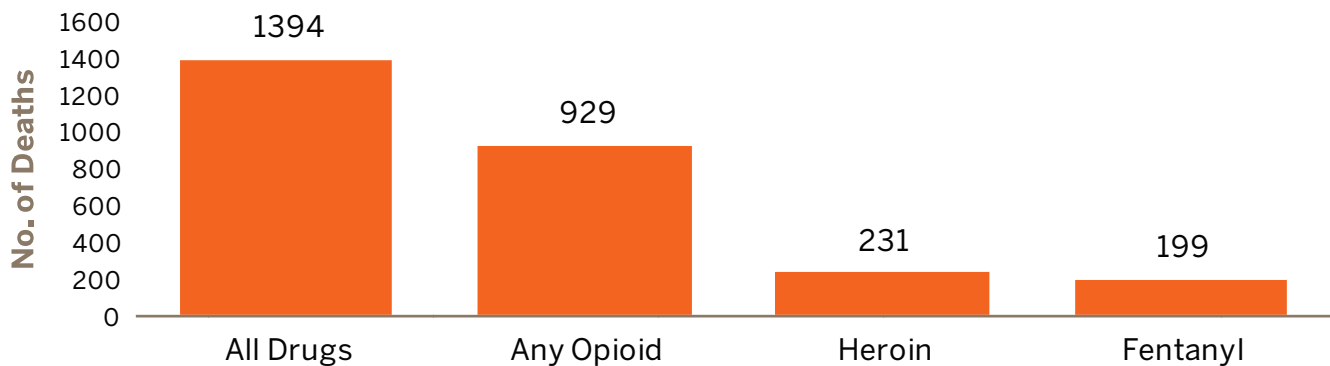
Opioid Overdose Deaths by Drug Type and Year, Georgia, 2010-2016



NOTE: Any Opioid may include prescription or illicit opioids. Categories are not mutually exclusive.

- From 2010 to 2016, the number of opioid-involved overdose deaths increased by 117% in Georgia, from 426 to 929 deaths
- Beginning in 2013, illicit opioids, such as heroin and fentanyl, drove the sharp increase in overall opioid-involved overdose deaths in GA

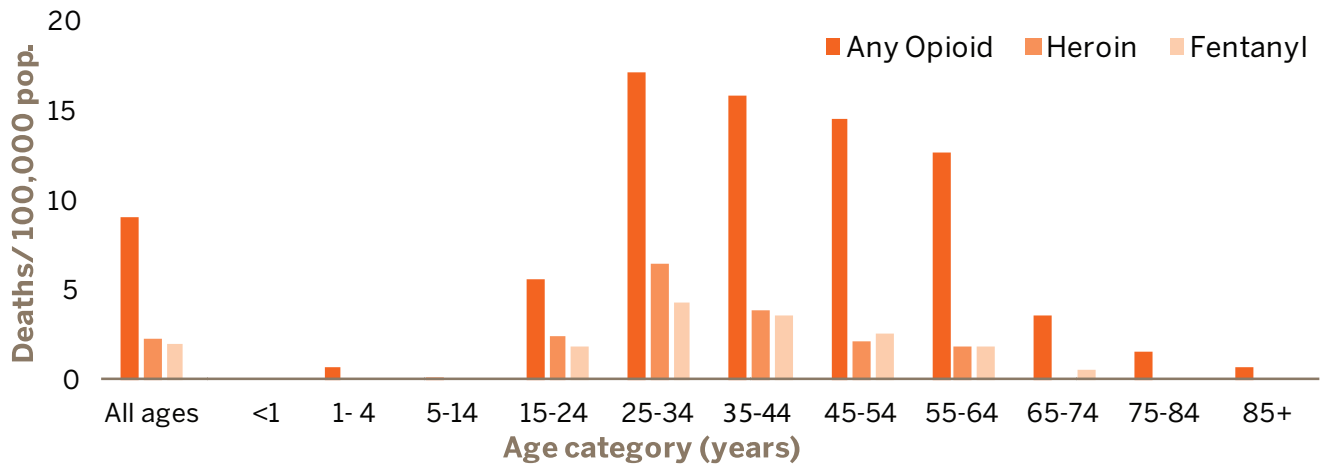
Overdose Deaths by Drug Type, Georgia, 2016



NOTE: All drugs may include any over the counter, prescription, or illicit drug. Any Opioid may include prescription or illicit opioids. Categories are not mutually exclusive.

- In 2016 in Georgia, overdose deaths involving Fentanyl (199) approached the number of deaths involving heroin (231)

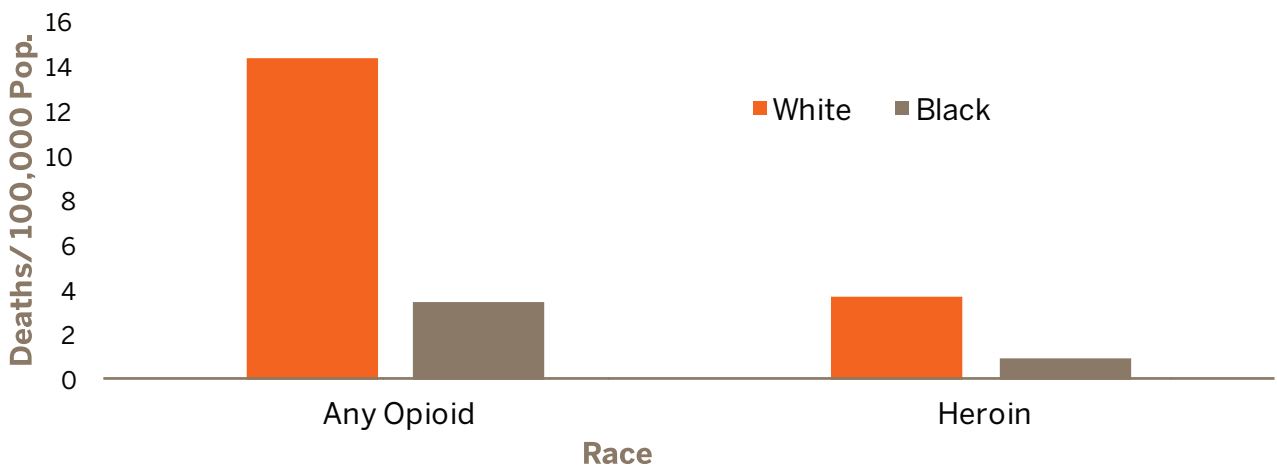
Opioid Overdose Death Rates by Age and Drug Type, Georgia, 2016



NOTE: Any Opioid may include prescription or illicit opioids. Categories are not mutually exclusive.

- Persons aged 25-34 years died from an opioid-involved overdose more frequently than persons of other age categories

Opioid Overdose Death Rates by Race and Drug Type, Georgia, 2016



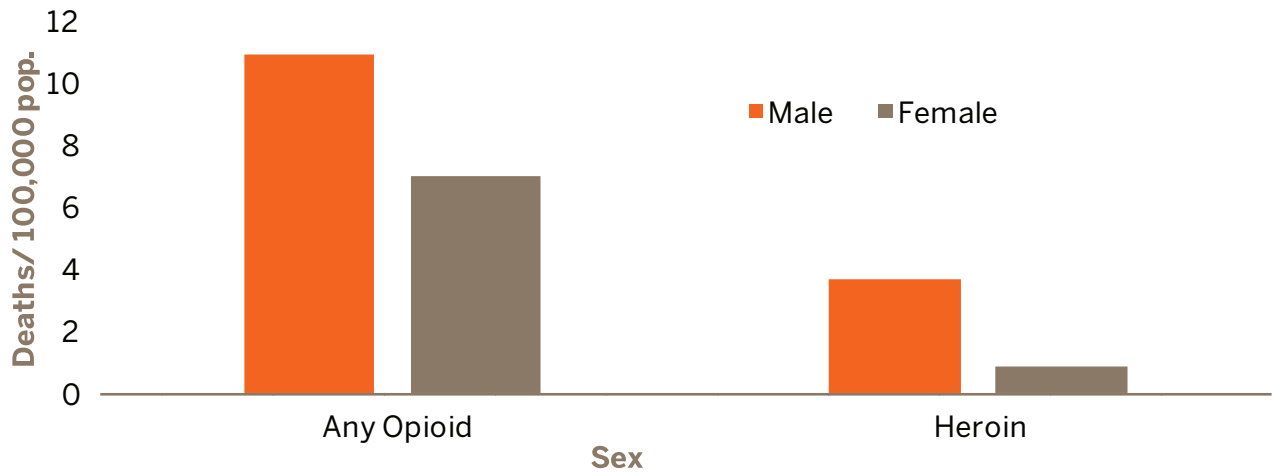
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Opioid-Overdose Related Mortality

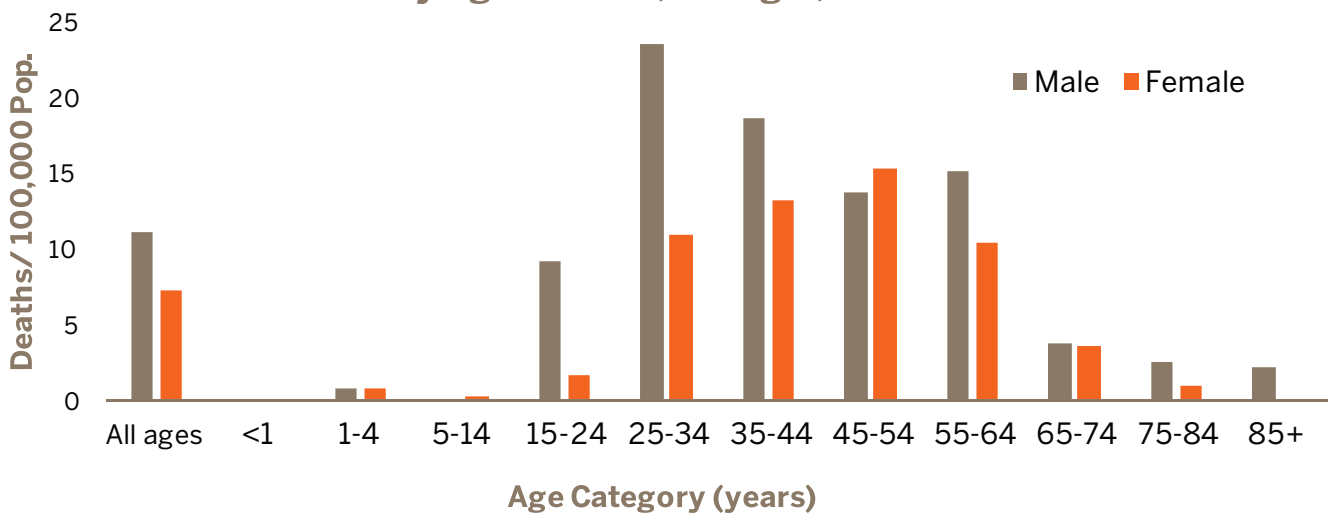
Opioid Overdose Death Rates by Sex and Drug Type, Georgia, 2016



NOTE: Any Opioid may include prescription or illicit opioids. Categories are not mutually exclusive.

- Males were 1.6 times more likely to die from any opioid-involved overdose, and 4.1 times more likely to die from a heroin-involved overdose than females

Any Opioid Overdose Death Rates by Age and Sex, Georgia, 2016



NOTE: Any Opioid may include prescription or illicit opioids

- Males aged 25-34 years died from an opioid-involved overdose more frequently than persons of any other age category, and were 2.1 times more likely to die from an overdose than females of the same age



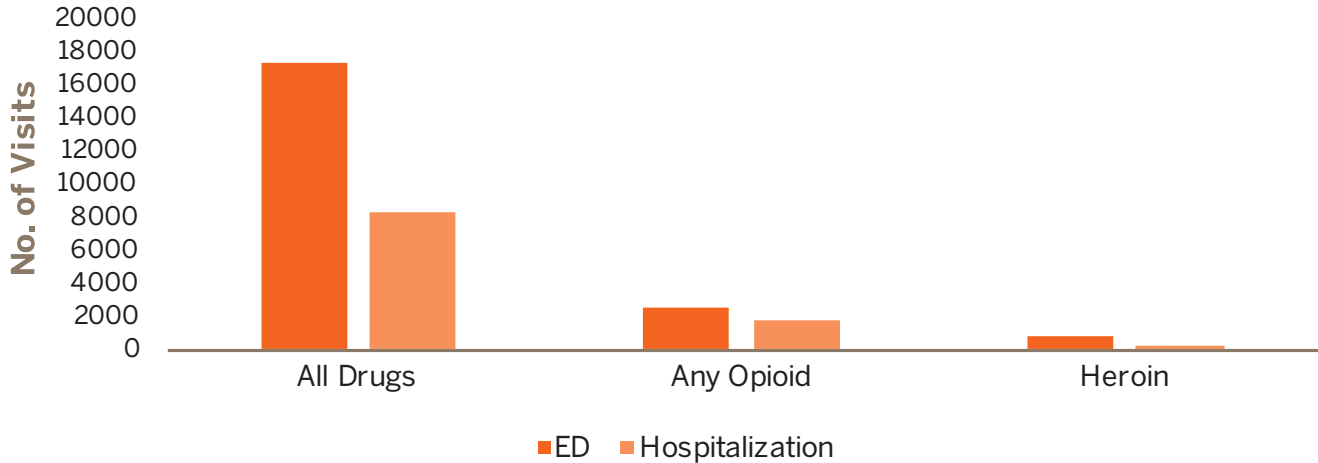
Opioid-Overdose Related Mortality

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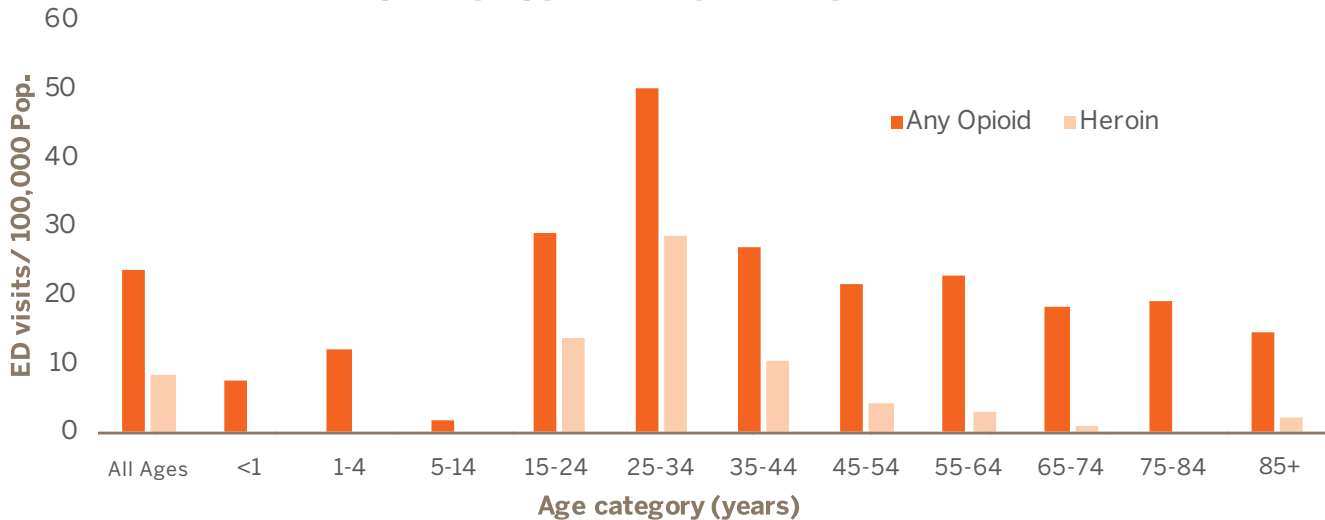
Opioid-Overdose Related Morbidity

Overdose Emergency Department Visits and Hospitalizations by Drug Type, Georgia, 2016



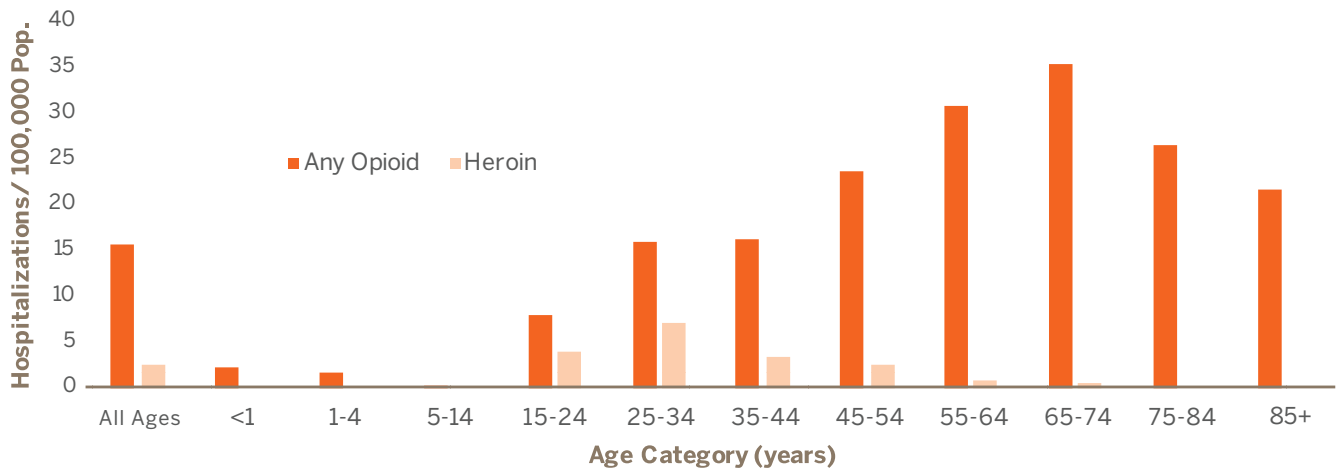
NOTE: Any Opioid may include prescription or illicit opioids. Categories are not mutually exclusive.

Overdose Emergency Department Visit Rates by Drug Type and Age, Georgia, 2016



NOTE: Any Opioid may include prescription or illicit opioids. Categories are not mutually exclusive.

Overdose Hospitalization Rates by Drug Type and Age, Georgia, 2016





NOTE: Any Opioid may include prescription or illicit opioids. Categories are not mutually exclusive.

- Persons aged 25-34 years were more likely to visit an ED because of an opioid-involved overdose than persons of other age categories, yet persons aged 65-74 years were most likely to be hospitalized because of an opioid-involved overdose
- Heroin-involved overdoses occurred most frequently among persons aged 25-34 years, and were very uncommon among older persons



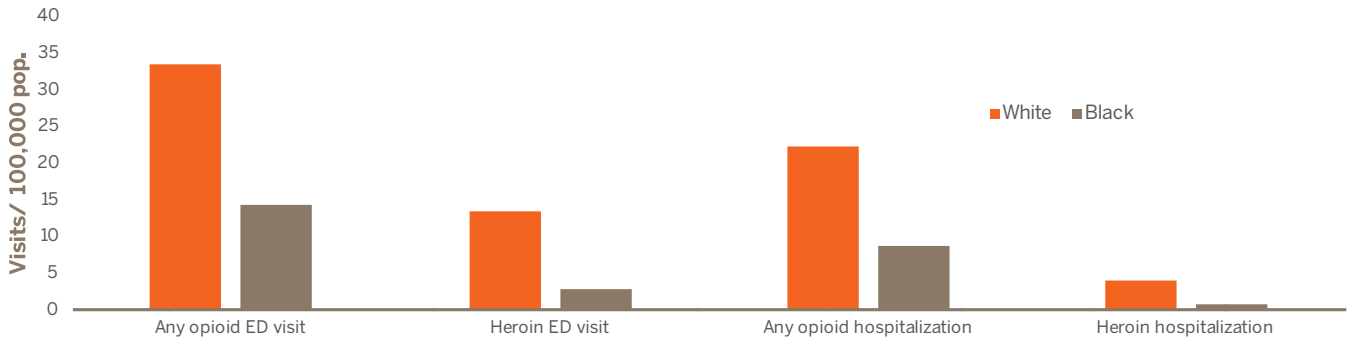
Opioid-Overdose Related Morbidity

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Opioid-Overdose Related Morbidity

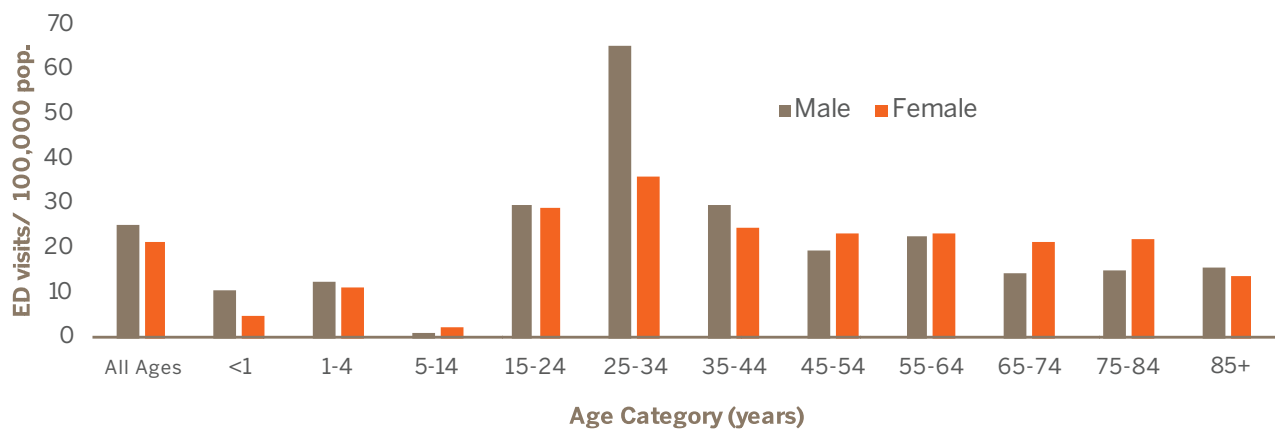
Opioid Overdose Emergency Department Visit and Hospitalization Rates by Drug Type and Race, Georgia, 2016



NOTE: Any Opioid may include prescription or illicit opioids. Categories are not mutually exclusive.

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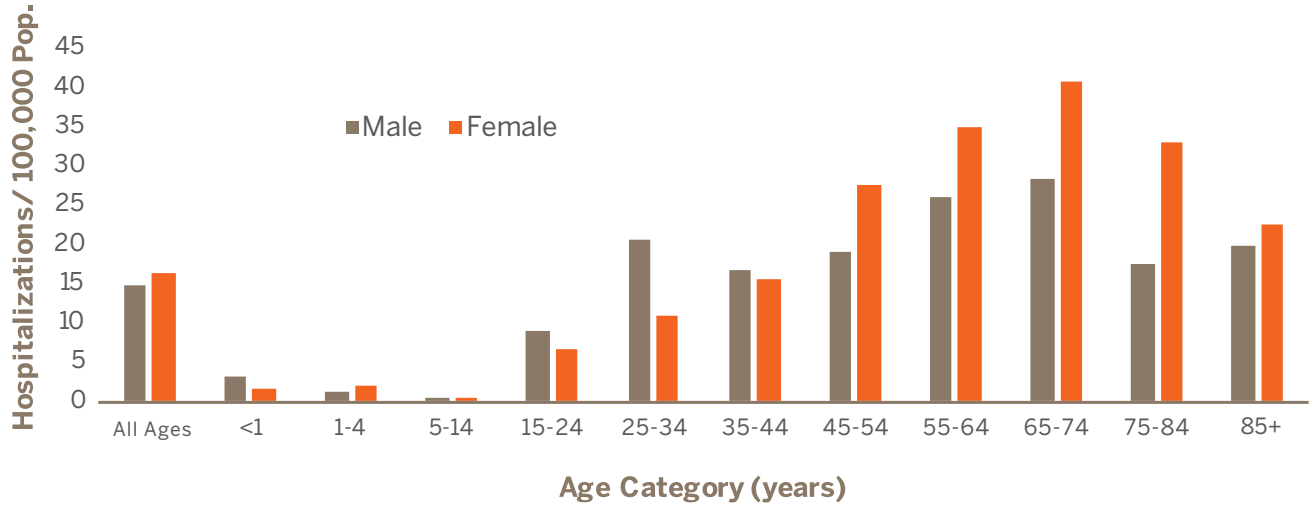
Any Opioid Overdose Emergency Department Visit Rates, by Sex and Age, Georgia, 2016



NOTE: Any Opioid may include prescription or illicit opioids. Categories are not mutually exclusive.

- Males aged 25-34 years visited an ED and/or died from an opioid-involved overdose more frequently than females of the same age category
- Females, particularly older females, were hospitalized for an opioid-involved overdose more frequently than males.

Any Opioid Hospitalization Rates, by Sex and Age, Georgia, 2016



NOTE: Any Opioid may include prescription or illicit opioids. Categories are not mutually exclusive.

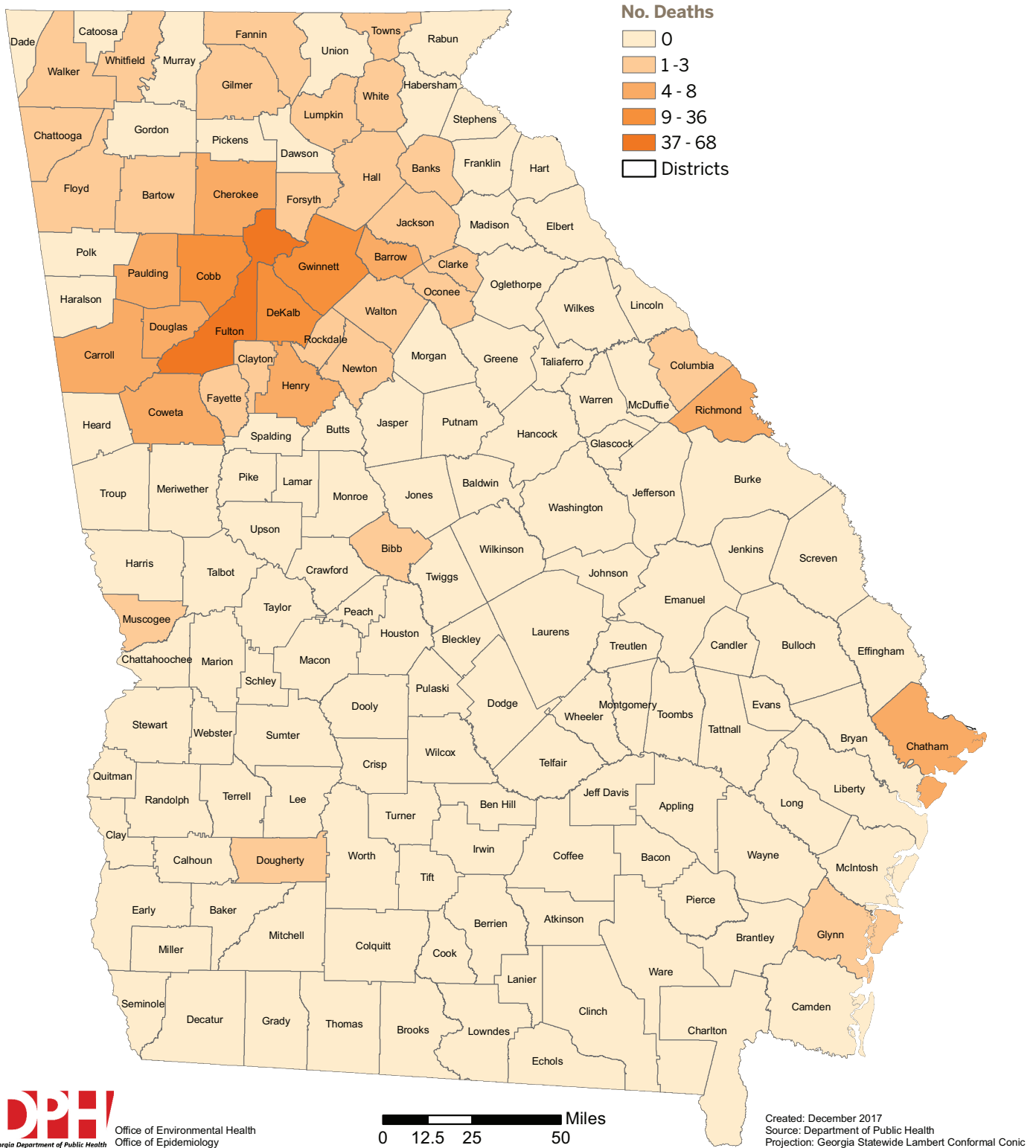


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HEROIN-INVOLVED OVERDOSE

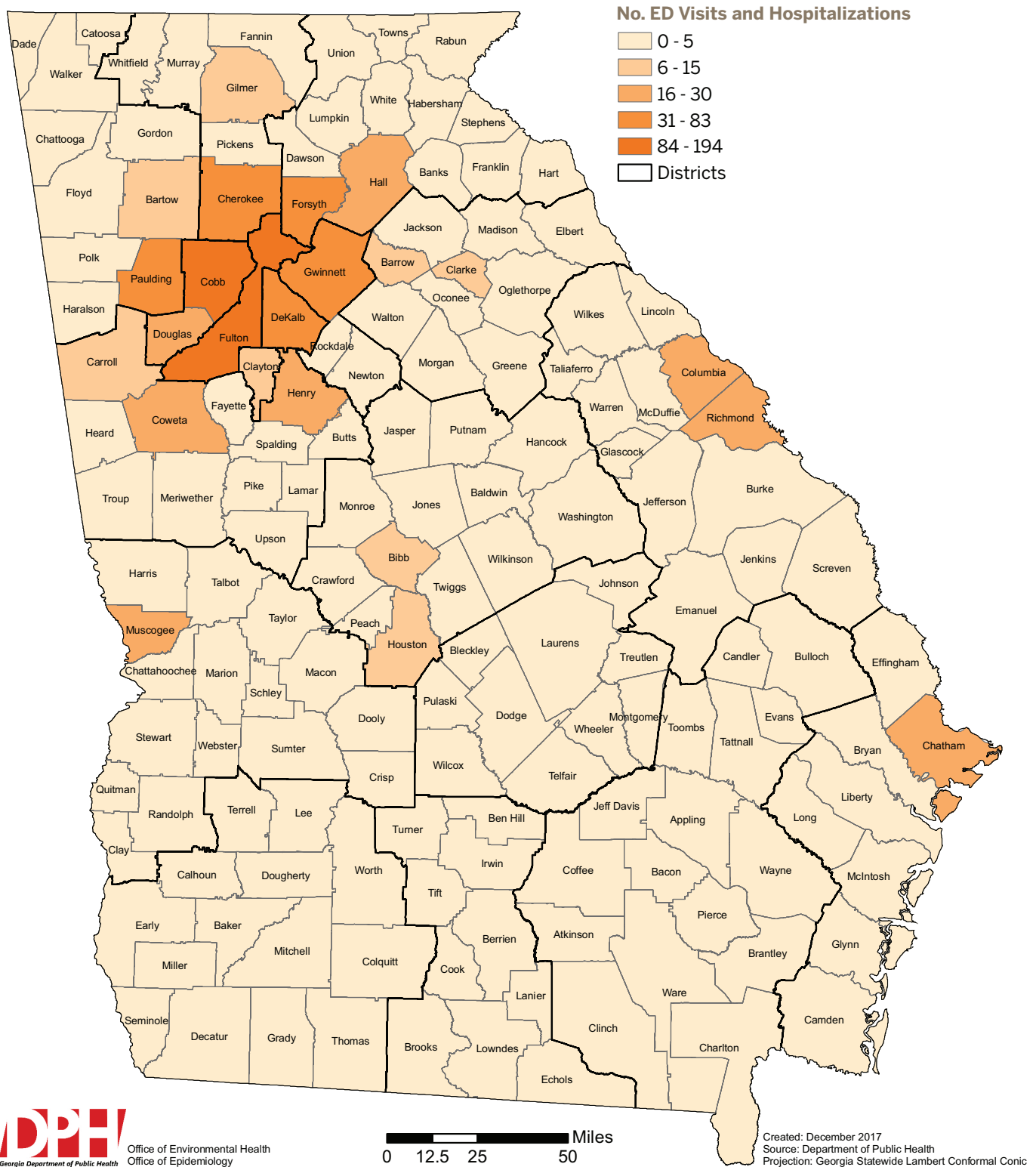
Deaths by County, Georgia, 2016



NOTE: Rates could not be calculated for most counties due to the low number of heroin-involved overdose deaths, ED visits and hospitalizations. Therefore, the number (not rate) of overdoses are presented in this map.

HEROIN-INVOLVED OVERDOSE

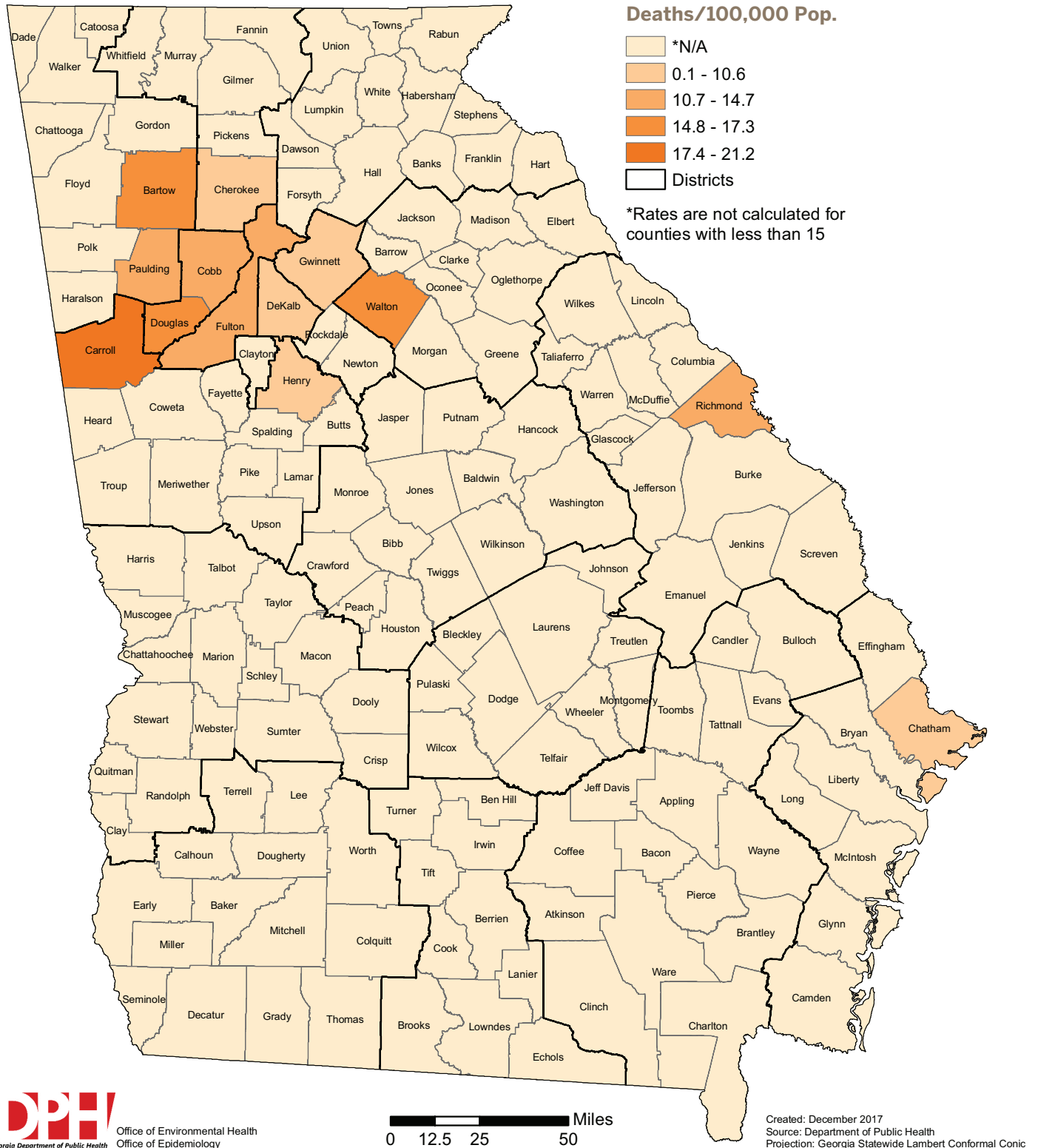
Emergency Department Visits and Hospitalizations by County, Georgia, 2016



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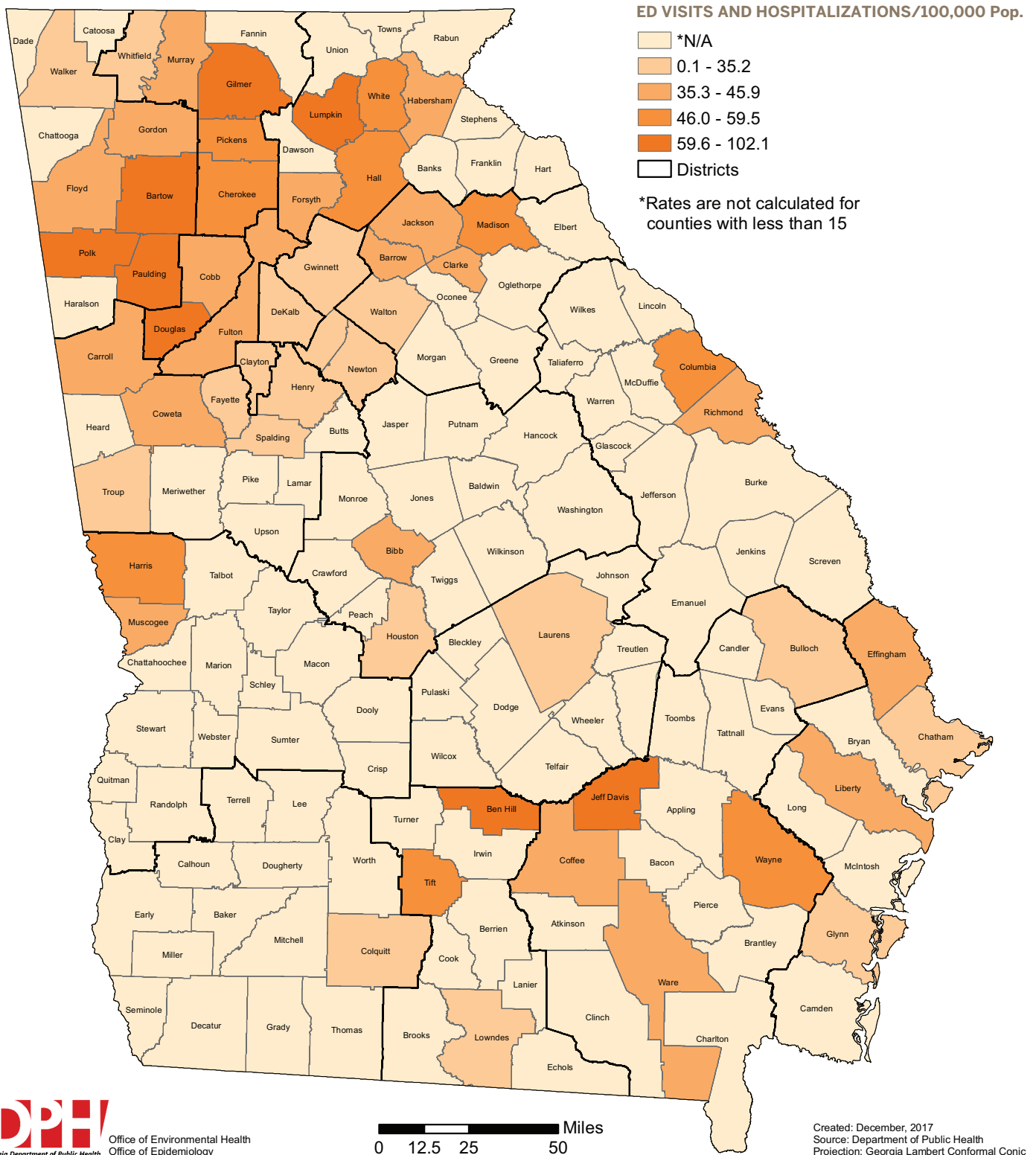
ANY OPIOID-INVOLVED OVERDOSE

Death Rate by County, Georgia, 2016



ANY OPIOID-INVOLVED OVERDOSE

Emergency Department Visit and Hospitalization Rate by County, Georgia, 2016



Opioid-Involved Overdose Mortality — Georgia, 2010–2016

NUMBER, AND AGE-ADJUSTED RATE PER 100,000 PERSONS
ANY OPIOID MAY INCLUDE PRESCRIPTION, AND ILLICIT OPIOIDS, CATEGORIES ARE NOT MUTUALLY EXCLUSIVE

DRUG TYPE	2010		2011		2012		2013		2014		2015		2016	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
ANY OPIOID	426	4.34	430	4.36	549	5.48	536	5.35	739	7.27	890	8.66	929	8.95
HEROIN	2	N/A	20	0.20	41	0.40	70	0.70	177	1.79	250	2.49	231	2.27
FENTANYL	0	N/A	0	N/A	43	0.43	37	0.37	107	1.05	182	1.81	199	1.95

Counties with the Highest Number of Opioid-Involved Overdoses — Georgia, 2016 Emergency Depart (ED) Visits, Inpatient Hospitalizations, and Deaths

RANK	COUNTY (NUMBER)	RANK	COUNTY (NUMBER)
ANY OPIOID-INVOLVED OVERDOSE DEATH		HEROIN-INVOLVED OVERDOSE DEATH	
1	FULTON (142)	1	FULTON (68)
2	COBB (107)	2	COBB (36)
3	DEKALB (57)	3	DEKALB (22)
3	GWINNETT (57)	4	GWINNETT (21)
5	RICHMOND (32)	5	RICHMOND (8)
6	CHATHAM (28)	6	DOUGLAS (6)
7	CARROLL, DOUGLAS, CHEROKEE (23)	7	CHATHAM, HENRY, PAULING (5)
10	PAULDING, HENRY (21)	10	CARROLL, CHEROKEE, COWETA, BARROW (4)
ANY OPIOID-INVOLVED OVERDOSE ED VISITS AND HOSPITALIZATIONS		HEROIN-INVOLVED OVERDOSE ED VISITS AND HOSPITALIZATIONS	
1	FULTON (417)	1	FULTON (194)
2	COBB (348)	2	COBB (149)
3	GWINNETT (247)	3	GWINNETT (83)
4	DEKALB (175)	4	DEKALB (70)
5	CHEROKEE (130)	5	PAULDING (57)
6	HALL (120)	6	FORSYTH (51)
7	PAULDING (119)	7	CHEROKEE (48)
8	CHATHAM (100)	8	DOUGLAS (30)
9	DOUGLAS (96)	9	CHATHAM (27)
10	RICHMOND (93)	10	HALL (24)



Opioid Related Overdose Morbidity and Mortality — Georgia, 2016 Emergency Depart (ED) Visits, Inpatient Hospitalizations, and Deaths

NUMBER AND RATE PER 100,000 PERSONS (RATE IS AGE-ADJUSTED EXCEPT WHEN AGE CATEGORIES ARE PRESENTED)
ANY OPIOID MAY INCLUDE PRESCRIPTION, AND ILLICIT OPIOIDS, CATEGORIES ARE NOT MUTUALLY EXCLUSIVE

	ANY OPIOIDS						HEROIN					
	ED VISITS		HOSPITALIZATIONS		DEATHS		ED VISITS		HOSPITALIZATIONS		DEATHS	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
TOTAL	2435	23.46	1709	15.69	929	8.95	849	8.35	251	2.48	231	2.27
AGE												
<1 YEAR	10	N/A	3	N/A	0	0	0	0	0	0	0	0
1-4 YEARS	63	11.88	8	N/A	4	N/A	0	0	0	0	0	0
5-14 YEARS	23	1.63	2	N/A	1	N/A	0	0	0	0	0	0
15-24 YEARS	421	29.21	114	7.91	80	5.55	195	13.53	57	3.96	34	2.36
25-34 YEARS	715	50.27	223	15.89	241	16.94	404	28.40	100	7.03	91	6.40
35-44 YEARS	369	27.07	220	16.14	210	15.41	141	10.35	47	3.45	52	3.82
45-54 YEARS	304	21.46	332	23.43	204	14.40	62	4.28	34	2.40	31	2.19
55-64 YEARS	284	22.96	379	30.64	153	12.37	38	3.07	9	N/A	23	1.86
65-74 YEARS	154	18.35	295	35.15	30	3.57	6	N/A	4	N/A	0	0
75-84 YEARS	72	19.09	100	26.51	6	N/A	0	0	0	0	0	0
85+ YEARS	20	14.48	30	21.72	0	0	3	N/A	0	0	0	0
SEX (AGE)												
MALE	1272	25.20	758	14.71	555	11.05	574	11.45	177	3.57	185	3.69
<1 YEAR	7	N/A	2	N/A	0	0	0	N/A	0	N/A	0	0
1-4 YEARS	33	12.23	3	N/A	2	N/A	0	N/A	0	N/A	0	0
5-14 YEARS	7	N/A	1	N/A	0	0	0	N/A	0	N/A	0	0
15-24 YEARS	218	29.6	66	8.96	68	9.23	115	15.61	34	4.62	30	4.07
25-34 YEARS	457	65.07	146	20.79	163	23.21	282	40.16	75	10.68	71	10.11
35-44 YEARS	195	29.60	110	16.70	122	18.52	102	15.48	38	5.77	42	6.38
45-54 YEARS	136	19.71	132	19.13	94	13.63	34	4.93	19	2.75	21	3.04
55-64 YEARS	132	22.50	152	25.90	88	15.00	33	5.62	7	N/A	21	3.58
65-74 YEARS	56	14.56	109	28.34	14	3.64	6	N/A	4	N/A	0	0
75-84 YEARS	24	15.00	28	17.50	4	N/A	0	0	0	0	0	0
85+ YEARS	7	N/A	9	N/A	0	0	2	N/A	0	0	0	0
FEMALE	1163	21.70	951	16.43	374	7.07	275	5.38	74	1.44	46	0.90
<1 YEAR	3	N/A	1	N/A	0	0	0	0	0	0	0	0
1-4 YEARS	30	11.53	5	N/A	2	N/A	0	N/A	0	0	0	0
5-14 YEARS	16	2.30	1	N/A	1	N/A	0	N/A	0	0	0	0
15-24 YEARS	203	28.81	48	6.81	12	N/A	80	N/A	23	3.26	4	N/A
25-34 YEARS	258	35.83	80	11.11	78	10.83	122	16.94	25	3.47	20	1.42
35-44 YEARS	174	24.71	110	15.62	88	12.50	39	5.54	9	N/A	10	N/A
45-54 YEARS	168	23.11	200	27.52	110	115.13	28	3.85	15	2.06	10	N/A
55-64 YEARS	152	23.38	227	34.92	65	10.00	5	N/A	2	N/A	2	N/A
65-74 YEARS	98	21.55	186	40.90	16	3.52	0	0	0	0	0	0
75-84 YEARS	48	22.10	72	33.14	2	N/A	0	0	0	0	0	0
85+ YEARS	13	N/A	21	22.58	0	0	1	N/A	0	0	0	0
RACE												
WHITE	1819	33.42	1404	22.35	796	14.40	688	13.51	212	4.18	192	3.72
BLACK	468	14.30	276	8.70	113	3.40	98	2.94	32	0.96	30	0.90

COUNTY												
MISSING	151	N/A	97	N/A	1	N/A	66	N/A	19	N/A	0	N/A
APPLING	3	N/A	0	0	1	N/A	0	0	0	0	0	0
ATKINSON	0	0	0	0	1	N/A	0	0	0	0	0	0
BACON	1	N/A	1	N/A	0	0	0	0	0	0	0	0
BAKER	0	0	0	0	0	0	0	0	0	0	0	0
BALDWIN	5	N/A	6	N/A	0	0	1	N/A	0	0	0	0
BANKS	4	N/A	7	N/A	4	N/A	2	N/A	0	0	1	N/A
BARROW	15	19.41	19	23.74	10	N/A	7	N/A	3	N/A	4	N/A
BARTOW	38	38.72	34	30.53	17	15.76	12	N/A	3	N/A	1	N/A
BEN HILL	10	N/A	5	N/A	1	N/A	0	0	0	0	0	0
BERRIEN	1	N/A	6	N/A	0	0	0	0	0	0	0	0
BIBB	30	19.53	33	20.95	12	N/A	4	N/A	4	N/A	1	N/A
BLECKLEY	1	N/A	2	N/A	0	0	0	0	0	0	0	0
BRANTLEY	6	N/A	5	N/A	1	N/A	1	N/A	0	0	0	0
BROOKS	3	N/A	0	0	1	N/A	0	0	0	0	0	0
BRYAN	6	N/A	5	N/A	1	N/A	0	0	0	0	0	0
BULLOCH	6	N/A	11	N/A	2	N/A	1	N/A	0	0	0	0
BURKE	5	N/A	2	N/A	3	N/A	2	N/A	0	0	0	0
BUTTS	10	N/A	4	N/A	2	N/A	2	N/A	0	0	0	0
CALHOUN	1	N/A	1	N/A	1	N/A	0	0	0	0	0	0
CAMDEN	6	N/A	3	N/A	2	N/A	1	N/A	0	0	0	0
CANDLER	1	N/A	4	N/A	2	N/A	0	0	1	N/A	0	0
CARROLL	24	20.91	23	21.33	23	21.21	8	N/A	6	N/A	4	N/A
CATOOSA	4	N/A	2	N/A	5	N/A	0	0	1	N/A	0	0
CHARLTON	1	N/A	3	N/A	1	N/A	0	0	0	0	0	0
CHATHAM	54	18.07	46	16.15	28	10.56	20	6.47	7	N/A	5	N/A
CHATTAHOOCHEE	0	0	0	0	0	0	0	0	0	0	0	0
CHATTOOGA	1	N/A	9	N/A	3	N/A	0	0	0	0	1	N/A
CHEROKEE	87	38.14	43	17.15	23	10.00	36	16.71	12	N/A	4	N/A
CLARKE	24	20.64	15	15.58	9	N/A	6	N/A	1	N/A	1	N/A
CLAY	0	0	0	0	0	0	0	0	0	0	0	0
CLAYTON	35	12.21	22	7.96	13	N/A	6	N/A	5	N/A	2	N/A
CLINCH	5	N/A	1	N/A	0	0	0	0	0	0	0	0
COBB	233	30.88	115	15.05	107	13.81	123	16.27	26	3.49	36	4.63
COFFEE	9	N/A	11	N/A	7	N/A	0	0	1	N/A	0	0
COLQUITT	3	N/A	12	N/A	1	N/A	0	0	0	0	0	0
COLUMBIA	44	30.62	28	18.93	12	N/A	18	12.48	2	N/A	2	N/A
COOK	4	N/A	4	N/A	0	0	0	0	0	0	0	0
COWETA	39	29.36	20	14.02	12	N/A	18	14.07	3	N/A	4	N/A
CRAWFORD	0	0	5	N/A	3	N/A	0	0	0	0	0	0
CRISP	1	N/A	6	N/A	0	0	0	0	1	N/A	0	0
DADE	0	0	0	0	0	0	0	0	0	0	0	0
DAWSON	4	N/A	7	N/A	3	N/A	0	0	1	N/A	0	0
DECATUR	4	N/A	2	N/A	0	0	0	0	0	0	0	0
DEKALB	111	14.53	64	8.33	57	7.12	53	6.63	17	2.17	22	2.86
DODGE	5	N/A	3	N/A	3	N/A	1	N/A	0	0	0	0
DOOLY	0	0	2	N/A	1	N/A	0	0	0	0	0	0
DOUGHERTY	6	N/A	8	N/A	5	N/A	1	N/A	2	N/A	1	N/A
DOUGLAS	60	43.39	36	24.36	23	16.33	25	18.30	5	N/A	6	N/A
EARLY	2	N/A	1	N/A	0	0	0	0	0	0	0	0
ECHOLS	0	0	0	0	0	0	0	0	0	0	0	0
EFFINGHAM	13	N/A	10	N/A	2	N/A	0	0	0	0	0	0
ELBERT	4	N/A	1	N/A	1	N/A	0	0	0	0	0	0
EMANUEL	2	N/A	2	N/A	0	0	0	0	0	0	0	0

EVANS	4	N/A	3	N/A	0	0	0	0	0	0	0	0
FANNIN	9	N/A	2	N/A	5	N/A	3	N/A	1	N/A	1	N/A
FAYETTE	15	16.40	12	N/A	4	N/A	3	N/A	2	N/A	2	N/A
FLOYD	16	18.33	29	27.22	9	N/A	2	N/A	2	N/A	2	N/A
FORSYTH	67	35.49	15	7.51	13	N/A	46	25.18	5	N/A	3	N/A
FRANKLIN	6	N/A	1	N/A	2	N/A	0	0	0	0	0	0
FULTON	288	26.17	129	12.21	142	13.11	151	13.45	43	3.99	68	6.18
GILMER	17	68.89	4	N/A	5	N/A	9	N/A	0	0	1	N/A
GLASCOCK	0	0	2	N/A	1	N/A	0	0	0	0	0	0
GLYNN	10	N/A	13	N/A	4	N/A	1	N/A	2	N/A	1	N/A
GORDON	10	N/A	11	N/A	7	N/A	2	N/A	0	0	0	0
GRADY	6	N/A	2	N/A	0	0	0	0	0	0	0	0
GREENE	4	N/A	1	N/A	0	0	0	0	0	0	0	0
GWINNETT	163	18.20	84	9.43	57	6.22	64	7.18	19	2.13	21	2.34
HABERSHAM	10	N/A	11	N/A	3	N/A	2	N/A	0	0	0	0
HALL	50	25.56	70	32.98	11	N/A	19	10.22	5	N/A	2	N/A
HANCOCK	1	N/A	0	0	0	0	0	0	0	0	0	0
HARALSON	8	N/A	6	N/A	9	N/A	1	N/A	1	N/A	0	0
HARRIS	6	N/A	11	N/A	2	N/A	1	N/A	3	N/A	0	0
HART	3	N/A	4	N/A	1	N/A	0	0	0	0	0	0
HEARD	3	N/A	1	N/A	2	N/A	1	N/A	0	0	0	0
HENRY	46	21.68	15	6.73	21	9.12	13	N/A	4	N/A	5	N/A
HOUSTON	23	14.84	29	19.47	3	N/A	7	N/A	4	N/A	0	0
IRWIN	1	N/A	2	N/A	0	0	1	N/A	0	0	0	0
JACKSON	10	N/A	16	21.90	6	N/A	0	0	1	N/A	1	N/A
JASPER	3	N/A	3	N/A	1	N/A	0	0	0	0	0	0
JEFF DAVIS	11	N/A	5	N/A	4	N/A	0	0	0	0	0	0
JEFFERSON	5	N/A	0	0	1	N/A	0	0	0	0	0	0
JENKINS	1	N/A	2	N/A	1	N/A	0	0	0	0	0	0
JOHNSON	2	N/A	5	N/A	0	0	0	0	0	0	0	0
JONES	5	N/A	9	N/A	2	N/A	0	0	0	0	0	0
LAMAR	2	N/A	2	N/A	1	N/A	0	0	0	0	0	0
LANIER	5	N/A	2	N/A	0	0	0	0	0	0	0	0
LAURENS	7	N/A	9	N/A	4	N/A	0	0	1	N/A	0	0
LEE	4	N/A	6	N/A	1	N/A	2	N/A	1	N/A	0	0
LIBERTY	15	27.88	5	N/A	5	N/A	2	N/A	0	0	0	0
LINCOLN	0	0	3	N/A	0	0	0	0	0	0	0	0
LONG	8	N/A	1	N/A	1	N/A	1	N/A	0	0	0	0
LOWNDES	11	N/A	18	17.54	4	N/A	1	N/A	0	0	0	0
LUMPKIN	11	N/A	13	N/A	4	N/A	0	0	1	N/A	1	N/A
MCDUFFIE	2	N/A	6	N/A	0	0	0	0	0	0	0	0
MCINTOSH	1	N/A	0	0	1	N/A	0	0	0	0	0	0
MACON	1	N/A	1	N/A	0	0	0	0	0	0	0	0
MADISON	11	N/A	5	N/A	2	N/A	1	N/A	0	0	0	0
MARION	1	N/A	4	N/A	1	N/A	1	N/A	0	0	0	0
MERIWETHER	3	N/A	4	N/A	0	0	1	N/A	0	0	0	0
MILLER	5	N/A	0	0	0	0	0	0	0	0	0	0
MITCHELL	3	N/A	1	N/A	0	0	0	0	0	0	0	0
MONROE	4	N/A	6	N/A	2	N/A	1	N/A	1	N/A	0	0
MONTGOMERY	0	0	2	N/A	0	0	0	0	0	0	0	0
MORGAN	6	N/A	4	N/A	0	0	1	N/A	0	0	0	0
MURRAY	5	N/A	13	N/A	3	N/A	0	0	0	0	0	0.00
MUSCOGEE	42	21.17	40	19.65	9	N/A	17	8.00	2	N/A	2	N/A
NEWTON	21	19.73	11	N/A	4	N/A	4	N/A	0	0	1	N/A
OCONEE	8	N/A	5	N/A	1	N/A	3	N/A	1	N/A	1	N/A

OGLETHORPE	4	N/A	4	N/A	0	0	0	0	0	0	0	0.00
PAULDING	81	53.63	38	24.98	21	12.80	39	26.01	18	12.16	5	N/A
PEACH	5	N/A	2	N/A	2	N/A	0	0	0	0	0	0.00
PICKENS	10	N/A	5	N/A	4	N/A	1	N/A	0	0	0	0.00
PIERCE	2	N/A	5	N/A	2	N/A	0	0	0	0	0	0.00
PIKE	3	N/A	1	N/A	1	N/A	0	0	0	0	0	0.00
POLK	15	35.45	16	35.11	4	N/A	1	N/A	0	0	0	0.00
PULASKI	3	N/A	1	N/A	1	N/A	0	0	0	0	0	0.00
PUTNAM	6	N/A	3	N/A	1	N/A	0	0	1	N/A	0	0.00
QUITMAN	0	0	0	0	0	0	0	0	0	0	0	0.00
RABUN	4	N/A	6	N/A	5	N/A	1	N/A	0	0	0	0.00
RANDOLPH	0	0	0	0	0	0	0	0	0	0	0	0.00
RICHMOND	46	22.73	47	21.64	32	14.70	10	N/A	8	N/A	8	N/A
ROCKDALE	19	21.87	10	N/A	9	N/A	3	N/A	1	N/A	3	N/A
SCHLEY	0	0	0	0	0	0	0	0	0	0	0	0.00
SCREVEN	4	N/A	2	N/A	0	0	0	0	0	0	0	0.00
SEMINOLE	2	N/A	2	N/A	0	0	0	0	0	0	0	0.00
SPALDING	14	N/A	9	N/A	7	N/A	1	N/A	1	N/A	0	0.00
STEPHENS	5	N/A	8	N/A	3	N/A	0	0	0	0	0	0.00
STEWART	1	N/A	0	0	3	N/A	1	N/A	0	0	0	0.00
SUMTER	3	N/A	3	N/A	0	0	0	0	0	0	0	0.00
TALBOT	0	0	3	N/A	0	0	0	0	1	N/A	0	0.00
TALIAFERRO	0	0	0	0	0	0	0	0	0	0	0	0.00
TATTNALL	7	N/A	4	N/A	2	N/A	0	0	0	0	0	0.00
TAYLOR	3	N/A	1	N/A	0	0	1	N/A	0	0	0	0.00
TELFAIR	2	N/A	2	N/A	0	0	0	0	0	0	0	0.00
TERRELL	1	N/A	0	0	0	0	0	0	0	0	0	0.00
THOMAS	4	N/A	3	N/A	2	N/A	0	0	0	0	0	0.00
TIFT	4	N/A	20	46.55	2	N/A	0	0	0	0	0	0.00
TOOMBS	3	N/A	10	N/A	2	N/A	0	0	0	0	0	0.00
TOWNS	2	N/A	3	N/A	3	N/A	0	0	0	0	1	N/A
TREUTLEN	3	N/A	2	N/A	0	0	0	0	0	0	0	0.00
TROUP	12	N/A	13	N/A	5	N/A	0	0	0	0	0	0.00
TURNER	1	N/A	3	N/A	1	N/A	1	N/A	0	0	0	0.00
TWIGGS	3	N/A	3	N/A	0	0	0	0	0	0	0	0.00
UNION	6	N/A	5	N/A	1	N/A	3	N/A	0	0	0	0.00
UPSON	6	N/A	0	0	2	N/A	0	0	0	0	0	0.00
WALKER	14	N/A	5	N/A	12	N/A	2	N/A	0	0	2	N/A
WALTON	18	20.67	14	N/A	15	17.26	3	N/A	2	N/A	3	N/A
WARE	6	N/A	10	N/A	3	N/A	0	0	0	0	0	0.00
WARREN	1	N/A	0	0	0	0	0	0	0	0	0	0.00
WASHINGTON	3	N/A	1	N/A	2	N/A	0	0	0	0	0	0.00
WAYNE	12	N/A	4	N/A	5	N/A	2	N/A	0	0	0	0.00
WEBSTER	0	0	0	0	0	0	0	0	0	0	0	0.00
WHEELER	0	0	1	N/A	0	0	0	0	0	0	0	0.00
WHITE	10	N/A	8	N/A	5	N/A	3	N/A	0	0	1	N/A
WHITFIELD	18	16.84	20	17.92	8	N/A	2	N/A	0	0	1	N/A
WILCOX	2	N/A	2	N/A	1	N/A	0	0	0	0	0	0.00
WILKES	1	N/A	0	0	0	0	0	0	0	0	0	0.00
WILKINSON	1	N/A	1	N/A	0	0	0	0	0	0	0	0.00
WORTH	4	N/A	5	N/A	0	0	0	0	0	0	0	0.00

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