



CHORDS Coverage Report

CHORDS Overview

The Colorado Health Observation Regional Data Service (CHORDS) is a regional collaborative partnership between Colorado health providers, public health departments, and the University of Colorado Anschutz Medical Campus to share health data. CHORDS collects, analyzes and presents data from participating partner electronic health records (EHRs) into one registry that can be used to monitor population health and conduct research. All data is securely exchanged by removing personally identifiable information.

Limitations:

This coverage document compares aggregated data in CHORDS with official population estimates from the American Community Survey (ACS). Individuals represented in CHORDS received care through one of the participating data partners during a given time period. Individuals who did not receive *any* health care during the selected time period and individuals who received health care through a different organization are not represented in the estimates.

Future versions of the coverage report will report uncertainty about ACS estimates (e.g. standard errors), but this initial version does not. In their absence, it is important to keep in mind that the ACS estimates are not as precise as they appear in the pages that follow.

Currently, individuals who have multiple health care encounters in separate data partner systems during the same year (e.g., a visit at Kaiser Permanente and a visit at Children's Hospital of Colorado during 2015) are counted more than once.

Individuals may be excluded from the coverage report due to missing demographic or geographic values. There are cases within the data where individuals do not report an address, report being homeless, live out of state, or have an address that cannot be successfully geocoded to a Colorado census tract. Where individuals report no address or a non-Colorado address, they will be excluded from the population totals. Individuals with an address that cannot be geocoded to a Colorado census tract but can be geocoded to a Colorado county will be counted in the county level results but excluded from tract level results.

CHORDS Coverage Tables

It is important to LPHAs to understand how the population represented in CHORDS compares with the whole population in a given jurisdiction.

The goal of these coverage tables is to summarize the demographic and geographic representativeness of the CHORDS population in relation to the larger population, as measured by the American Community Survey (ACS).

This first page provides tabular summaries of the CHORDS population as compared to the ACS population, specifically referencing individuals who had a CHORDS-qualified healthcare encounter during 2015. Subsequent pages visualize these data in terms of counts and percentages.

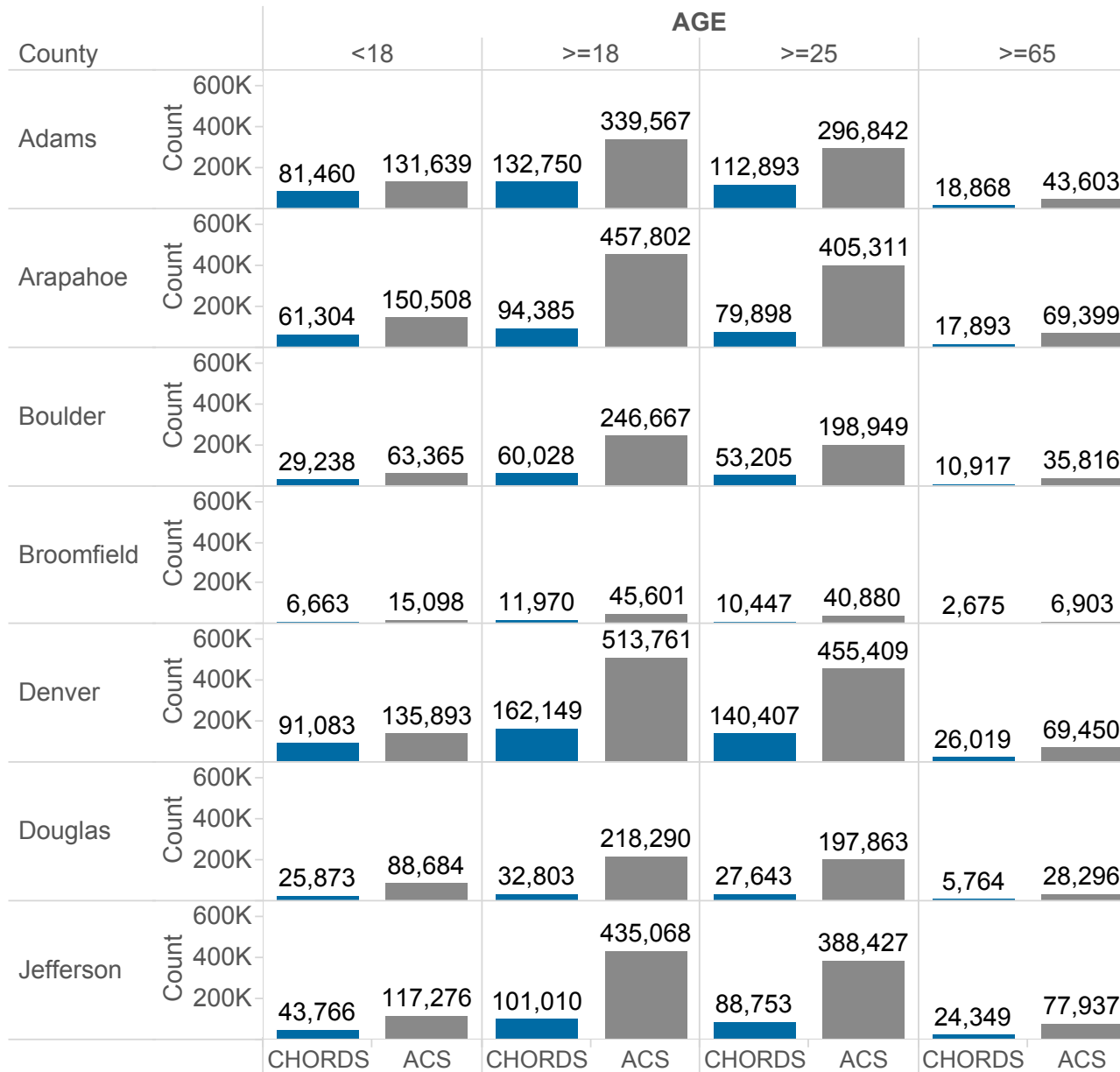
Total Counts by County and Data Source, 2015

County	CHORDS	ACS
Adams	214,212	471,206
Arapahoe	155,696	608,310
Boulder	89,266	310,032
Broomfield	18,633	60,699
Denver	253,234	649,654
Douglas	58,678	306,974
Jefferson	144,776	552,344
Grand Total	934,495	2,959,219

Counts by County, Demographics and Data Source 2015

Type	Category	Adams		Arapahoe		Boulder		Broomfield		Denver		Douglas		Jefferson	
		CHORDS	ACS	CHORDS	ACS	CHORDS	ACS	CHORDS	ACS	CHORDS	ACS	CHORDS	ACS	CHORDS	ACS
AGE	<18	81,460	131,639	61,304	150,508	29,238	63,365	6,663	15,098	91,083	135,893	25,873	88,684	43,766	117,276
	>=18	132,750	339,567	94,385	457,802	60,028	246,667	11,970	45,601	162,149	513,761	32,803	218,290	101,010	435,068
	>=25	112,893	296,842	79,898	405,311	53,205	198,949	10,447	40,880	140,407	455,409	27,643	197,863	88,753	388,427
	>=65	18,868	43,603	17,893	69,399	10,917	35,816	2,675	6,903	26,019	69,450	5,764	28,296	24,349	77,937
GENDER	Female	119,963	234,099	83,731	309,207	48,230	154,237	10,319	30,624	137,006	324,924	30,480	154,635	78,499	277,819
	Male	94,241	237,107	71,954	299,103	41,030	155,795	8,314	30,075	116,212	324,730	28,193	152,339	66,272	274,525
	Unknown	4		9		2		0		14		5		5	
RACE	AI/AN, NH	979	5,229	905	3,432	302	1,695	88	226	1,336	7,027	263	855	1,011	4,816
	Asian, NH	5,028	17,932	5,431	32,686	3,088	13,374	802	3,644	3,030	23,100	1,877	12,471	3,311	14,232
	Black, NH	5,903	15,264	15,907	62,294	1,447	2,803	355	608	24,897	63,058	1,657	3,316	2,726	6,015
	Hawaiian/PI, NH	708	608	1,045	1,260	183	214	90	0	2,998	850	123	159	451	318
	Hispanic	101,570	182,114	27,638	113,506	28,941	42,487	4,293	7,225	90,816	201,019	7,732	25,007	25,964	83,142
	Multiple Races, NH	1,049	16,252	1,065	28,761	460	9,059	109	2,270	873	22,529	509	8,868	657	15,554
	Unknown, NH	14,510	25,669	15,200	35,387	6,442	8,812	1,485	1,297	18,410	38,828	6,017	3,455	13,093	9,782
	White, NH	77,272	245,330	80,425	378,452	46,289	243,252	10,923	47,441	82,220	344,954	39,249	257,929	92,126	435,423

Number of Individuals in CHORDS Compared to ACS Population Estimates, by County and Age Group, 2015



SUMMARY: CHORDS includes approximately 929,170 individuals residing in the Denver metro area,* compared to an estimated total population of 2,959,219 (31.4%). Pictured at left you'll see how these individuals are distributed by age and county (blue). The total age group- and county-specific population estimated from ACS is displayed in gray, adjacent to the counts from CHORDS.

*prior to between-facility deduplication

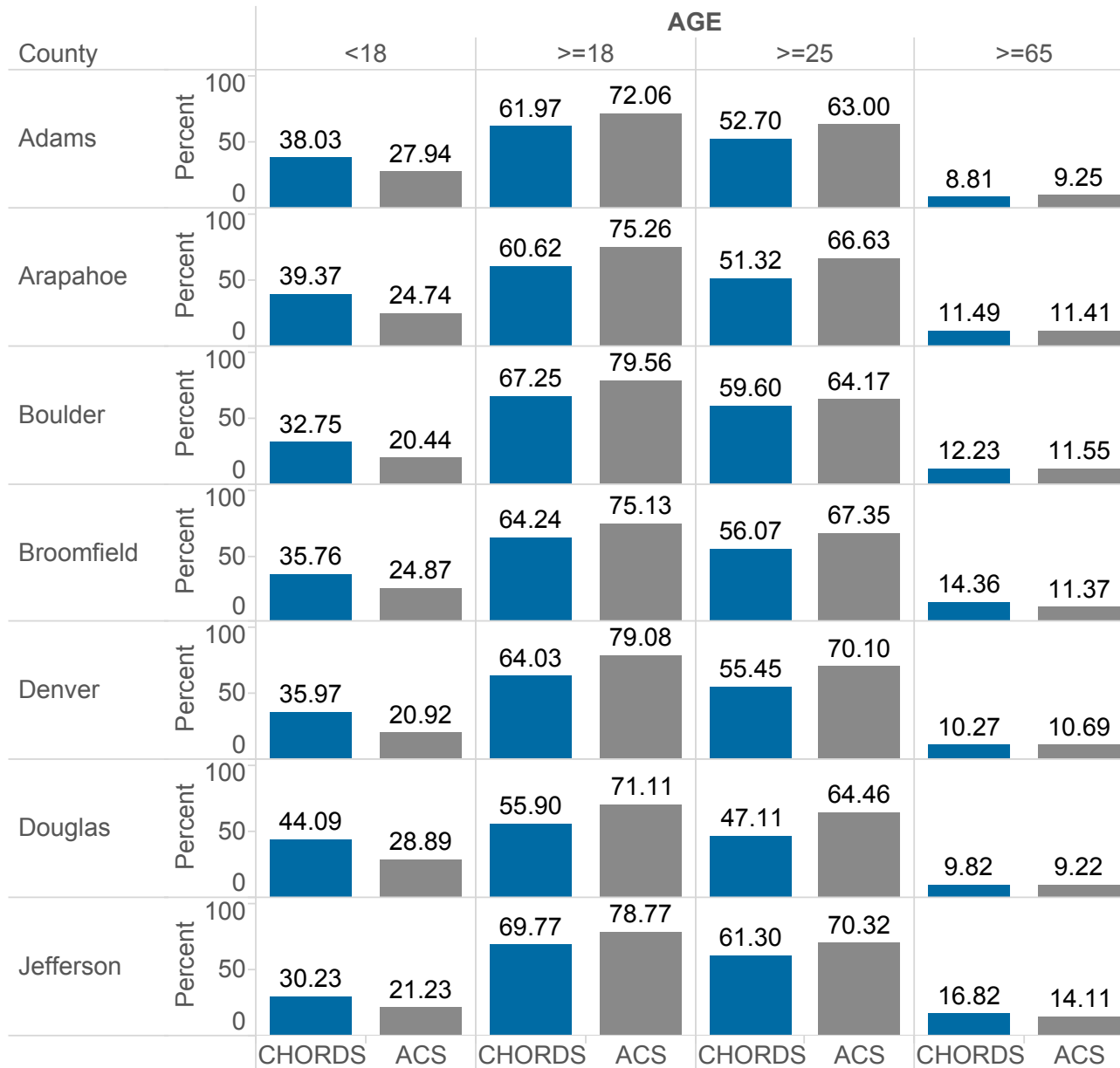
CHORDS Population vs. Total Population	
CHORDS	ACS
934,495	2,959,219

Total Percent of ACS Population Estimate Captured in CHORDS

County	
Adams	45.46
Arapahoe	25.59
Boulder	28.79
Broomfield	30.70
Denver	38.98
Douglas	19.11
Jefferson	26.21

% calculated in the table above by dividing total CHORDS participants by ACS population estimates for a given county and demographic subgroup

Percent of Individuals in CHORDS Compared to ACS Population Estimates, by County and Age Group, 2015



SUMMARY: The percent of the CHORDS population in a given county and age group is depicted in blue. For example, approximately 38% of CHORDS participants with a residence in Adams county were <18. The percent of the *total* population in the same county and age group (estimated by ACS) is depicted in gray. According to ACS, 28% of Adams county residents are <18 years of age. This suggests that the CHORDS population is younger than the population as a whole.

CHORDS Population vs. Total Population

CHORDS	ACS
934,495	2,959,219

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County	Percent
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Jefferson	26.21

% calculated in the table above by dividing total CHORDS participants by ACS population estimates for a given county and demographic subgroup

Number of Individuals in CHORDS Compared to ACS Population Estimates, by County and Gender, 2015



SUMMARY: CHORDS includes over 900,000 individuals* residing in the metro area. Pictured at left you'll see how these individuals are distributed by gender and county (blue). In order to provide context, the total gender- and county-specific population (estimated from ACS, gray) is displayed adjacent to the counts from CHORDS.

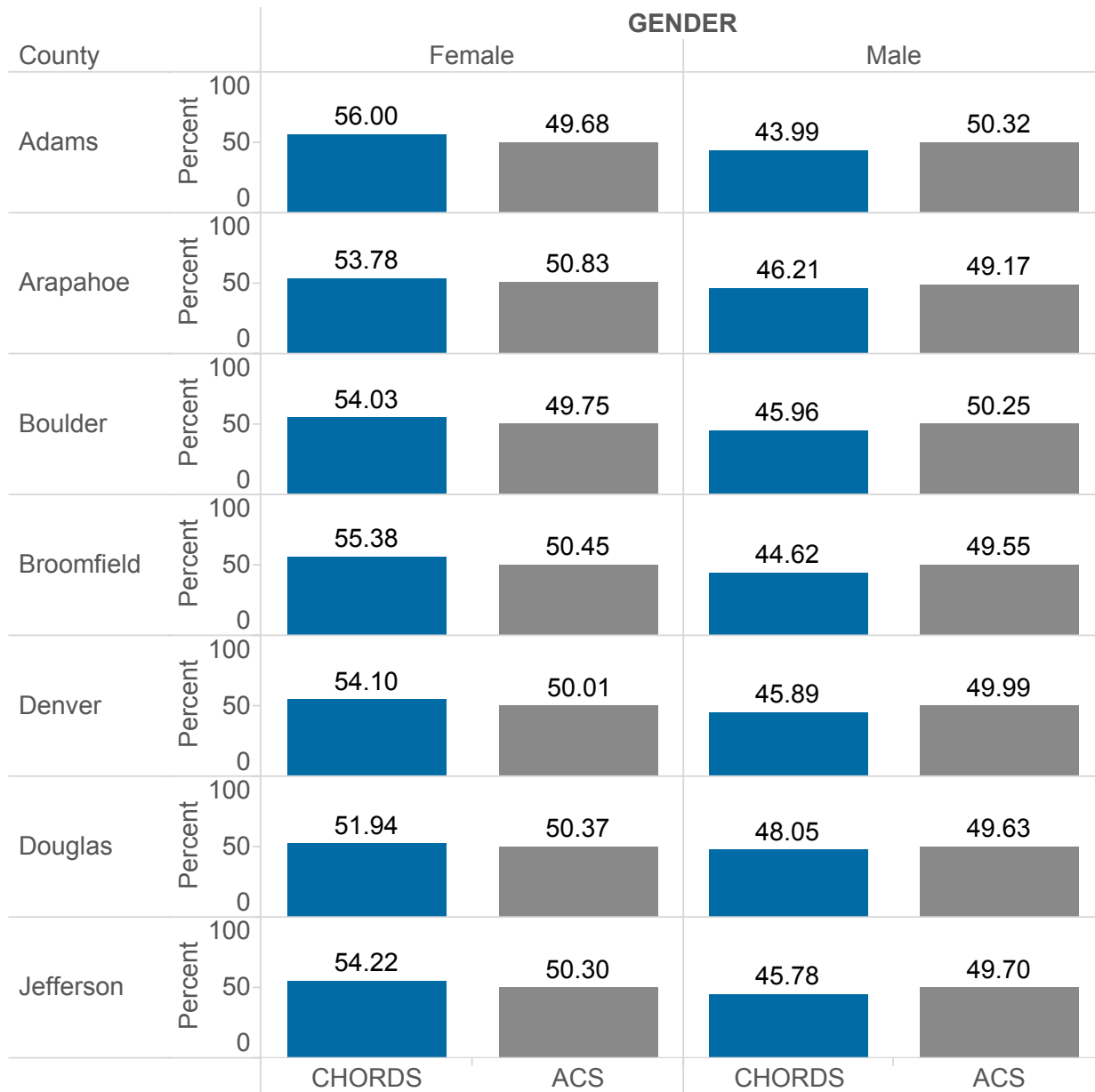
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% calculated in the table above by dividing total CHORDS participants by ACS population estimates for a given county and demographic subgroup

Percent of Individuals in CHORDS Compared to ACS Population Estimates, by County and Gender, 2015



SUMMARY: The percent of the CHORDS population in a given county and gender is depicted in blue. For example, approximately 56.0% of CHORDS participants with a residence in Adams county identified as female. The percent of the *total* population in the same county and age group (estimated by ACS) is depicted in gray. According to ACS, 49.7% of Adams county residents identified as female. This table suggests that the CHORDS population has relatively more females compared to the population as a whole.

Total Percent of ACS Population Estimate Captured in CHORDS

County	
Adams	45.46
Arapahoe	25.59
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Douglas	19.11
Jefferson	26.21

% calculated in the table above by dividing total CHORDS participants by ACS population estimates for a given county and demographic subgroup

Number of Individuals in CHORDS Compared to ACS Population Estimates, by County and Race/Hispanicity, 2015



Percent of Individuals in CHORDS Compared to ACS Population Estimates, by County and Race/Hispanicity, 2015

