



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.

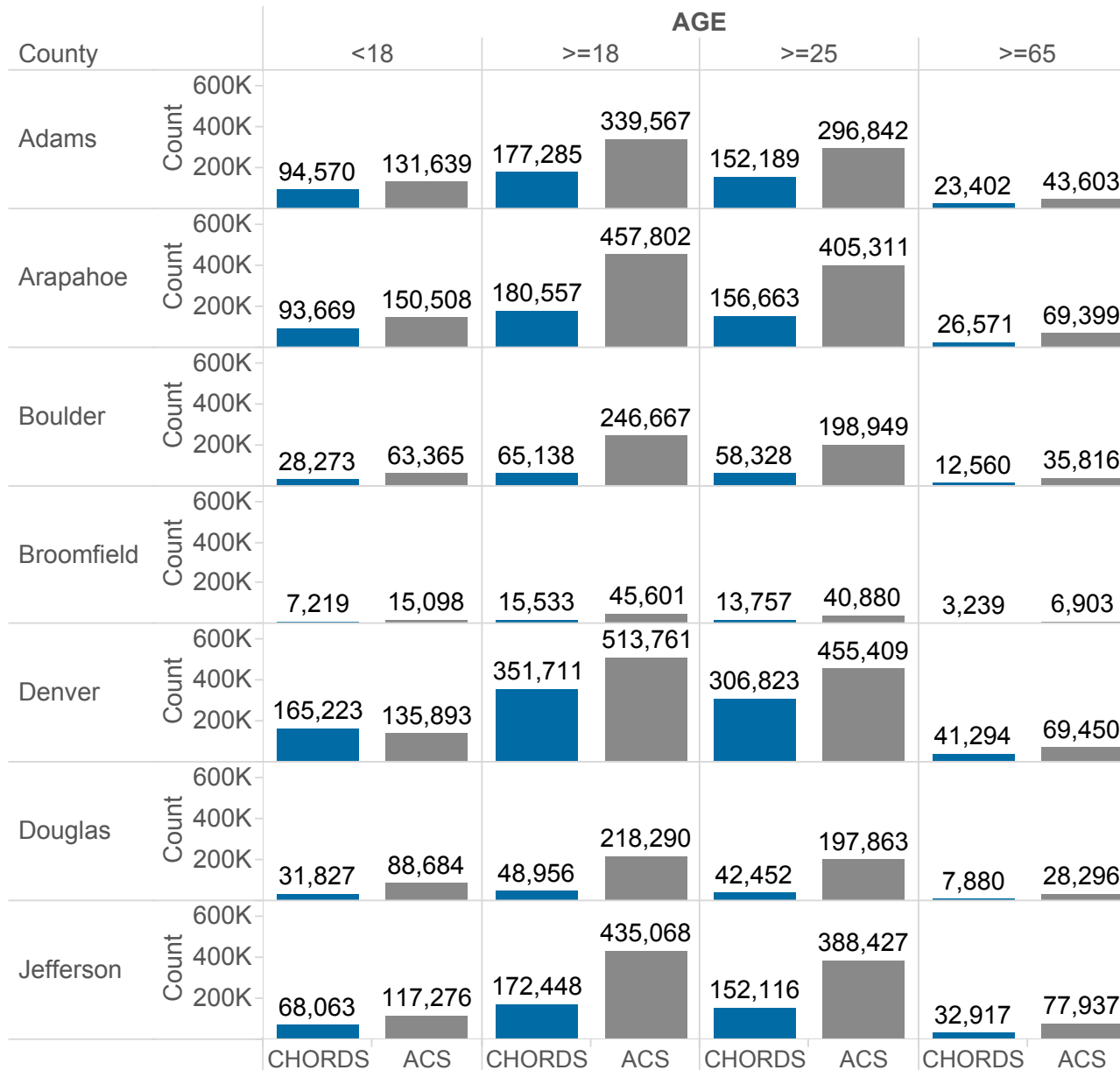
Total Counts by County and Data Source, 2015

County	CHORDS	ACS
Adams	271,856	471,206
Arapahoe	274,231	608,310
Boulder	93,411	310,032
Broomfield	22,752	60,699
Denver	516,934	649,654
Douglas	80,784	306,974
Jefferson	240,512	552,344
Grand Total	1,500,480	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	94,570	131,639	93,669	150,508	28,273	63,365	7,219	15,098	165,223	135,893	31,827	88,684	68,063	117,276
	>=18	177,285	339,567	180,557	457,802	65,138	246,667	15,533	45,601	351,711	513,761	48,956	218,290	172,448	435,068
	>=25	152,189	296,842	156,663	405,311	58,328	198,949	13,757	40,880	306,823	455,409	42,452	197,863	152,116	388,427
	>=65	23,402	43,603	26,571	69,399	12,560	35,816	3,239	6,903	41,294	69,450	7,880	28,296	32,917	77,937
GENDER	Female	150,800	234,099	152,611	309,207	50,982	154,237	12,647	30,624	279,077	324,924	42,717	154,635	133,205	277,819
	Male	121,050	237,107	121,614	299,103	42,427	155,795	10,105	30,075	237,845	324,730	38,065	152,339	107,303	274,525
	Unknown	4		5		0		0		11		2		4	
RACE	AI/AN, NH	1,605	5,229	1,641	3,432	384	1,695	127	226	3,577	7,027	374	855	1,834	4,816
	Asian, NH	6,889	17,932	10,200	32,686	2,750	13,374	923	3,644	5,040	23,100	2,724	12,471	5,126	14,232
	Black, NH	13,484	15,264	41,536	62,294	1,614	2,803	517	608	69,515	63,058	2,553	3,316	5,832	6,015
	Hawaiian/PI, NH	1,729	608	3,121	1,260	272	214	136	0	7,942	850	283	159	1,057	318
	Hispanic	110,942	182,114	59,565	113,506	24,004	42,487	4,031	7,225	197,710	201,019	10,861	25,007	53,459	83,142
	Multiple Races, NH	1,178	16,252	1,549	28,761	381	9,059	123	2,270	1,308	22,529	547	8,868	1,003	15,554
	Unknown, NH	17,863	25,669	19,850	35,387	6,724	8,812	1,604	1,297	37,733	38,828	5,853	3,455	17,136	9,782
	White, NH	114,694	245,330	132,295	378,452	54,659	243,252	14,825	47,441	190,543	344,954	56,734	257,929	152,317	435,423

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



SUMMARY: CHORDS includes approximately 1,500,480 individuals residing in the Denver metro area,* compared to an estimated total population of 2,959,219 (50.7%). 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

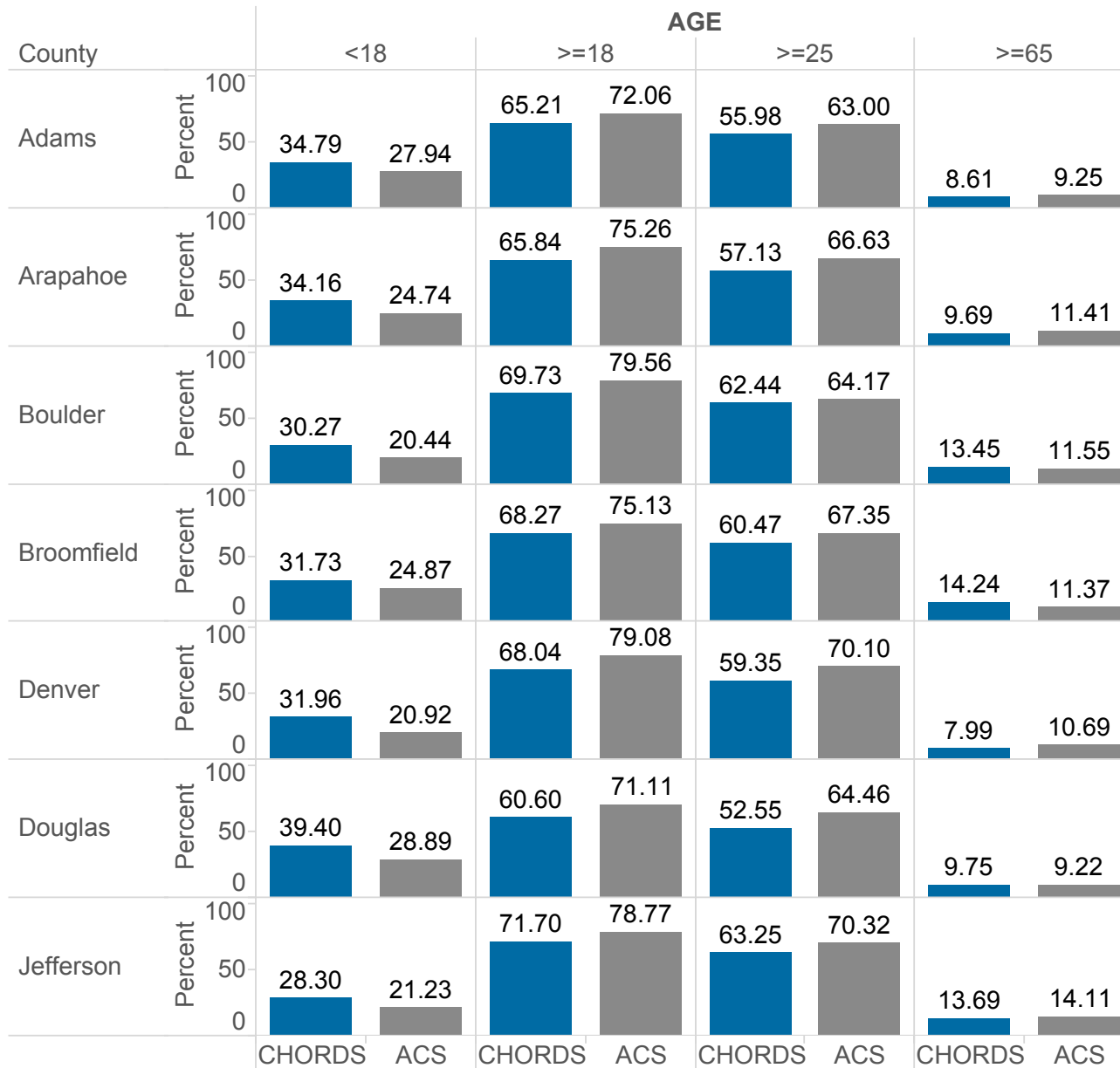
CHORDS Population vs. Total Population	
CHORDS	ACS
1,500,480	2,959,219

Total Percent of ACS Population Estimate Captured in CHORDS

County	
Adams	57.69
Arapahoe	45.08
Boulder	30.13
Broomfield	37.48
Denver	79.57
Douglas	26.32
Jefferson	43.54

% 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 35% 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

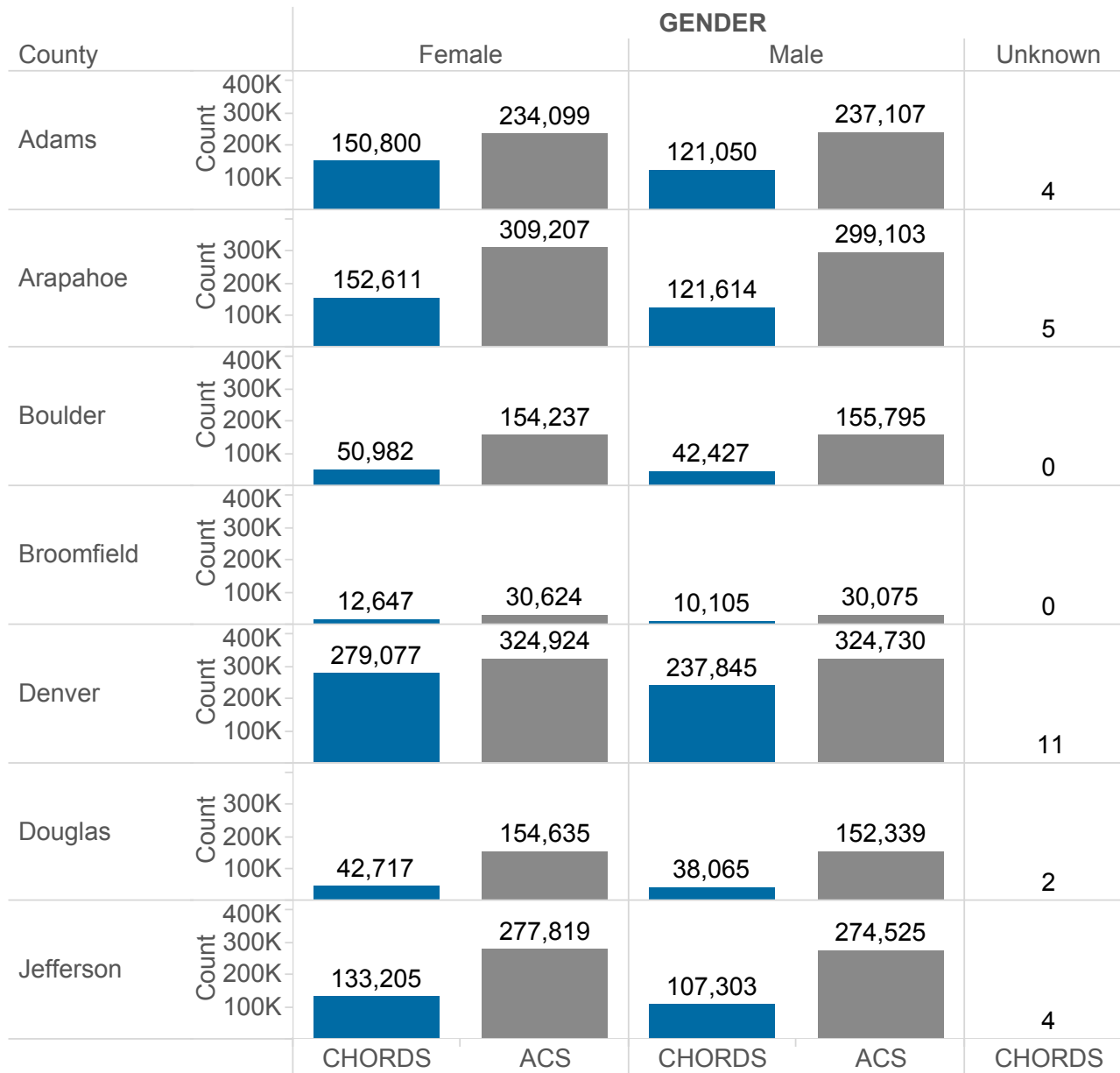
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% calculated in the table above by dividing total CHORDS participants by ACS population estimates for a given county and demographic subgroup

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



SUMMARY: CHORDS includes over 1,500,000 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.

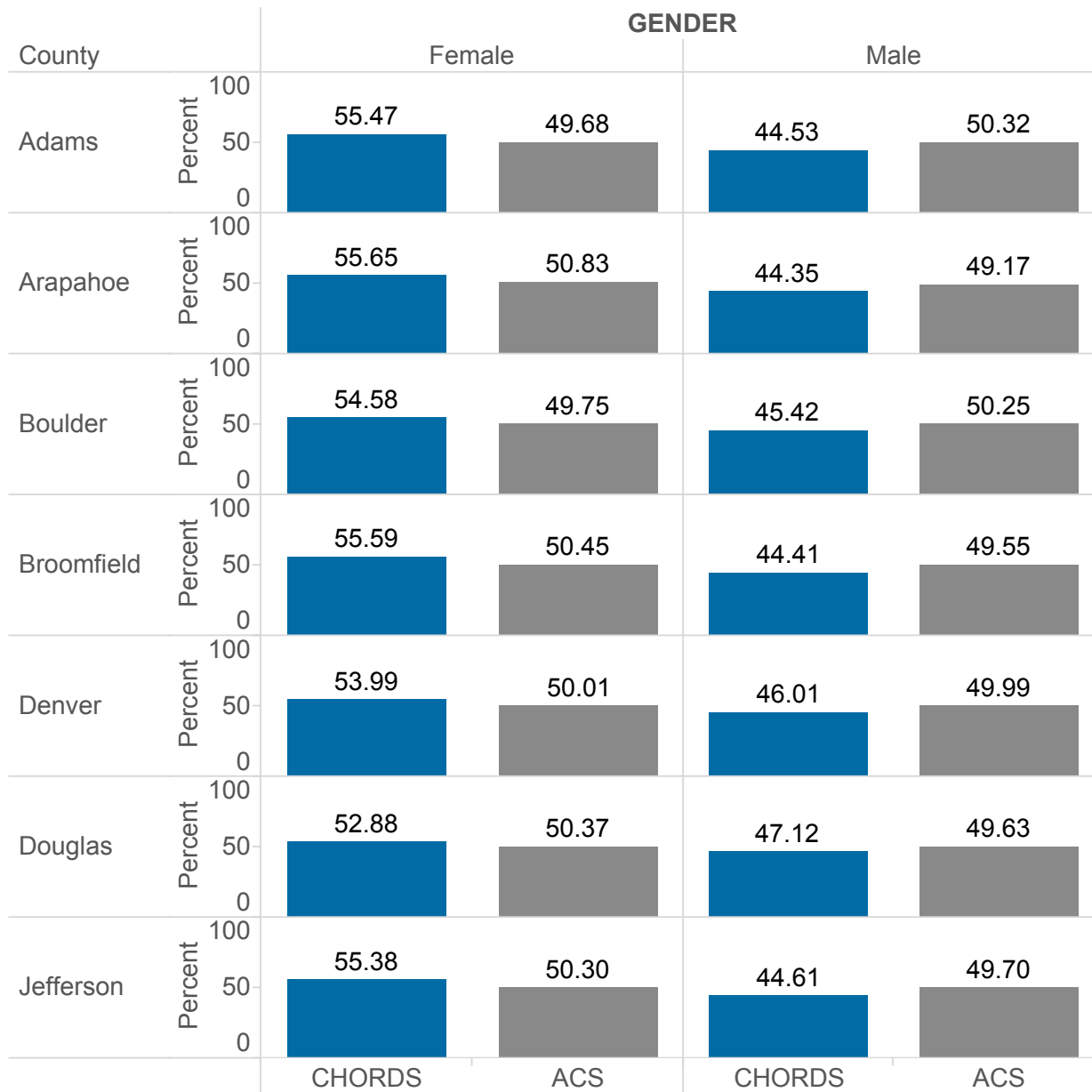
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Percent of Individuals in CHORDS Compared to ACS Population Estimates, by County and Gender, 2015



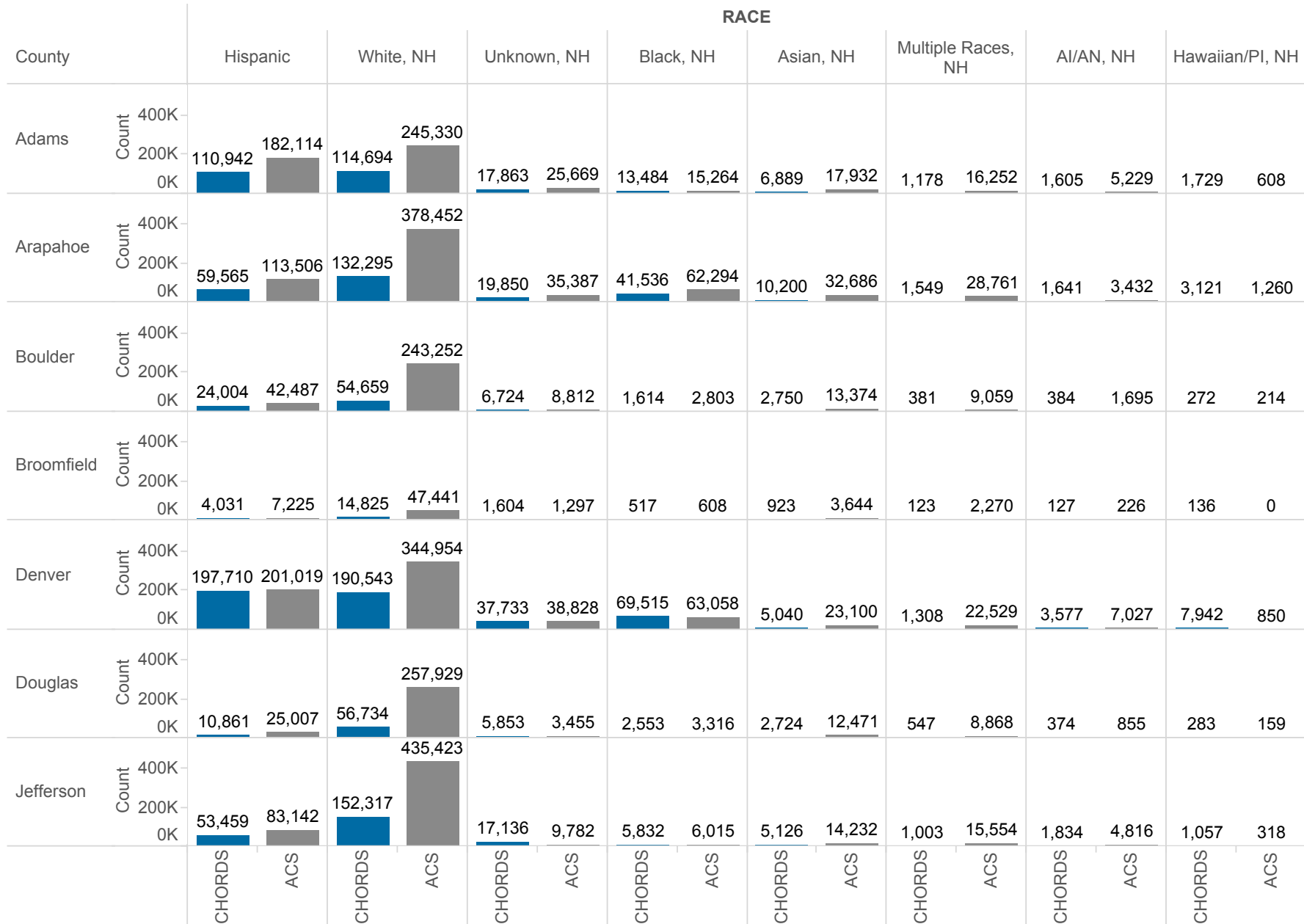
SUMMARY: The percent of the CHORDS population in a given county and gender is depicted in blue. For example, approximately 55.5% of CHORDS participants with a residence in Adams county identified as female. The percent of the *total* population in the same county and age group (estimated by ACS) is depicted 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	Percent
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Arapahoe	45.08
Boulder	30.13
Broomfield	37.48
Denver	79.57
Douglas	26.32
Jefferson	43.54

% 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

