Medicare COVID-19 Data Snapshot Overview

Our Medicare COVID-19 Data Snapshot is about people with Medicare who are diagnosed with COVID-19. The data sources for the Snapshot are Medicare Fee-for-Service (FFS) claims data, Medicare Advantage (MA) encounter data, and Medicare enrollment information.

Medicare COVID-19 Cases and Hospitalizations

Medicare COVID-19 Case: A count of beneficiaries with a diagnosis of COVID-19 on a claim or encounter record for *any* healthcare setting (e.g., physician's office, inpatient hospital, laboratory).

We use the following International Classification of Diseases (ICD), Tenth Revision (ICD-10), diagnosis codes to identify COVID-19 cases on claims and encounters:
- B97.29 (other coronavirus as the cause of diseases classified elsewhere) - before April 1, 2020
- U07.1 (2019 Novel Coronavirus, COVID-19) – from April 1, 2020 onward.

We find COVID-19 cases using ICD-10 diagnosis codes on claims and encounters. The Centers for Disease Control and Prevention (CDC) has issued COVID-19 ICD-10 coding guidance. Diagnosis code accuracy depends on: (1) how clinicians document (e.g., omitting information or using synonyms or abbreviations to describe a patient's condition) and (2) medical coder experience and training. As a result, we consider diagnosis information from claims and encounters less reliable than clinical information collected other ways (e.g., chart reviews). Since we don't need this type of clinical information to run our programs, we only collect it in limited circumstances (e.g., for program integrity purposes).

Medicare COVID-19 Hospitalization: A count of beneficiaries with a diagnosis of COVID-19 on a claim or encounter record for an *inpatient hospital* setting. These beneficiaries are a subset of the Medicare COVID-19 Cases described above.

For additional details on data limitations, please see the disclaimer on the next page and view the methodology document available here.

Medicare Enrollee Facts

As of early 2020, over 62.3 million Americans are enrolled in Medicare: 60% in Medicare Fee-for-Service (FFS), also known as Original Medicare, and 40% in Medicare Advantage (MA) plans.

What You Should Know When Using Our Data (Disclaimer)

You should use caution when interpreting our data. We collect Medicare claims and encounter data for payment and other program purposes, but not for public health surveillance. There will always be a delay or "claims lag" between when a service occurs and when the claim or encounter for that service is in our database. The length of the lag depends on the service type and program. There may also be longer claims lag due to the pandemic, but we're not sure of the impact.

Historically, 90% of FFS claims across all claim types are submitted within 3 months, while 90% of MA encounters across all claim types are submitted within 12 months. We expect timely FFS claims submissions because providers submit claims directly to us for payment. A longer claims lag is expected for Medicare Advantage encounters because Medicare Advantage Organizations: (1) collect encounters before submitting them to us and (2) have more time to submit encounters because there are different programmatic uses for the data, like risk adjustment.

Percent of Medicare FFS Claims Received by Time after Date of Service

Claim Type	1 Month†	2 Months	3 Months		6 Months		9 Months		12 Months
Inpatient	43%	91%	96%		99%		99%		100%
SNF	2%	81%	94%		98%		99%		100%
Hospice	3%	81%	92%		98%		99%		100%
Home Health	22%	74%	90%		97%		99%		100%
Outpatient	37%	90%	95%		98%		99%		100%
Carrier	43%	87%	93%		98%		99%		100%
DME	57%	84%	90%		96%		98%		100%

Percent of Medicare Advantage Claims Received by Time after Date of Service

Claim Type	1 Month	2 Months	3 Months		6 Months		9 Months		12 Months
Inpatient	11%	52%	61%		80%		88%		92%
SNF	5%	46%	66%		81%		87%		92%
Home Health	11%	52%	65%		83%		89%		93%
Outpatient	17%	63%	73%		87%		92%		95%
Professional	21%	62%	73%		87%		93%		95%
DME	23%	61%	72%		86%		91%		94%

Month 1 is the service month (i.e., month for the claim through date); FFS claims analysis based on data for July 2016; MA encounter data shows the % of encounters reported to us by 30 day increments from the through date of the service for January 2018. The data in this table is meant to be descriptive, but shouldn't be used to adjust data presented in this update due to pandemic-related claims submission uncertainties.
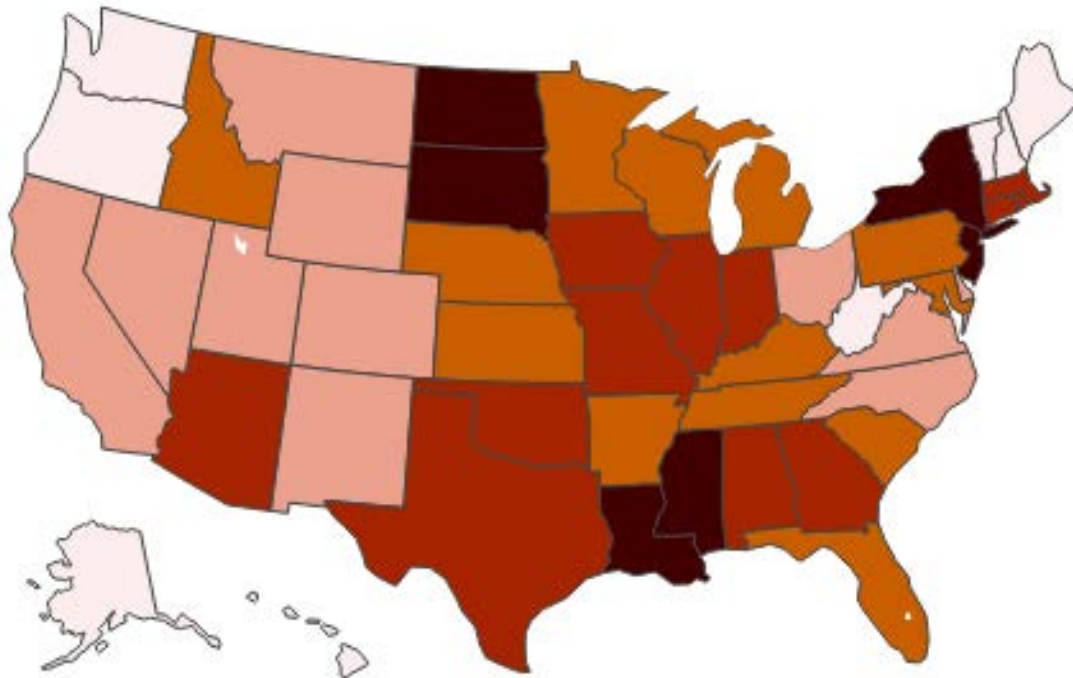
COVID-19 Cases
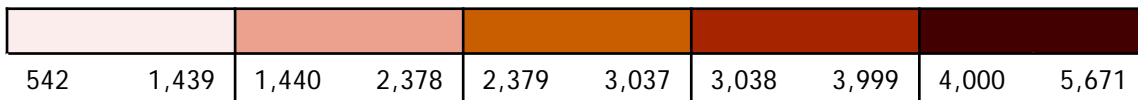
1,929,014 Total COVID-19 Cases   **2,954** COVID-19 Cases per 100K

COVID-19 Cases per 100K by Geography

Rural Areas: **2,801** per 100K

Urban Areas: **3,018** per 100K

Map Scale: per 100K

542	1,439	1,440	2,378	2,379	3,037	3,038	3,999	4,000	5,671

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COVID-19 Cases

1,929,014 Total COVID-19 Cases   **2,954** COVID-19 Cases per 100K

COVID-19 Case Trend

Week Ending	Cases
06/06	45,141
06/13	38,853
06/20	40,799
06/27	48,211
07/04	58,421
07/11	64,877
07/18	68,356
07/25	64,490
08/01	66,599
08/08	52,582
08/15	49,599
08/22	45,060
08/29	43,225
09/05	42,042
09/12	35,713
09/19	40,898
09/26	41,573
10/03	48,166
10/10	52,821
10/17	57,261
10/24	63,652
10/31	77,937
11/07	84,236
11/14	107,070
11/21	107,495

Note: Data for recent weeks is likely to be adjusted upward due to claims lag; see page 2 of this data update for additional details on claims lag.
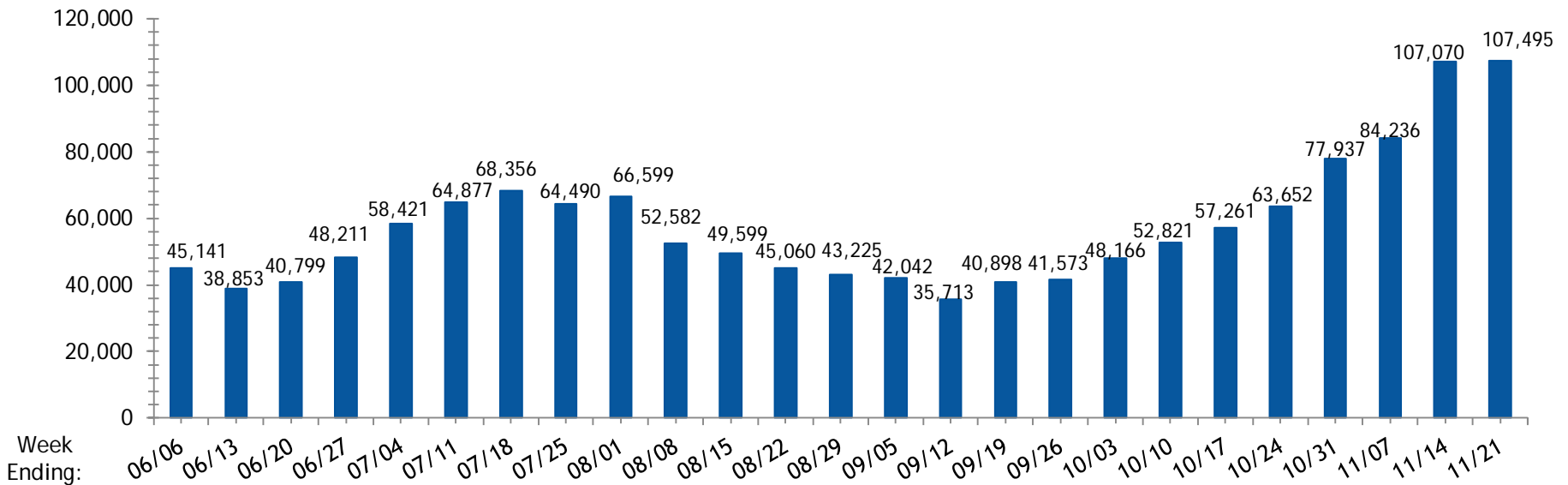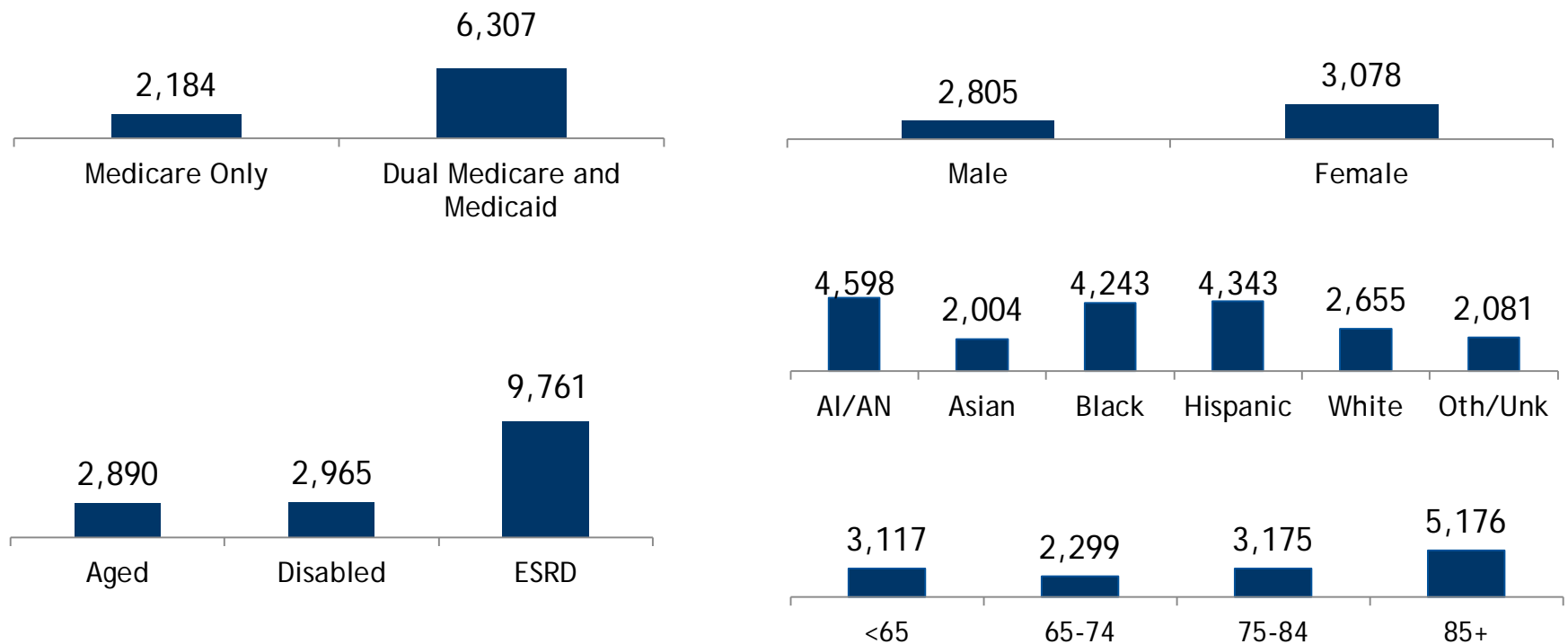
Preliminary Medicare COVID-19 Data Snapshot:
Medicare Claims and Encounter Data: Services January 1 to November 21, 2020, Received by December 18, 2020
COVID-19 Cases

1,929,014 Total COVID-19 Cases　　**2,954** COVID-19 Cases per 100K

COVID-19 Cases per 100K by Beneficiary Characteristics

Category	Value
Medicare Only	2,184
Dual Medicare and Medicaid	6,307
Aged	2,890
Disabled	2,965
ESRD	9,761
Male	2,805
Female	3,078
AI/AN	4,598
Asian	2,004
Black	4,243
Hispanic	4,343
White	2,655
Oth/Unk	2,081
<65	3,117
65-74	2,299
75-84	3,175
85+	5,176

Note: AI/AN = American Indian/Alaskan Native

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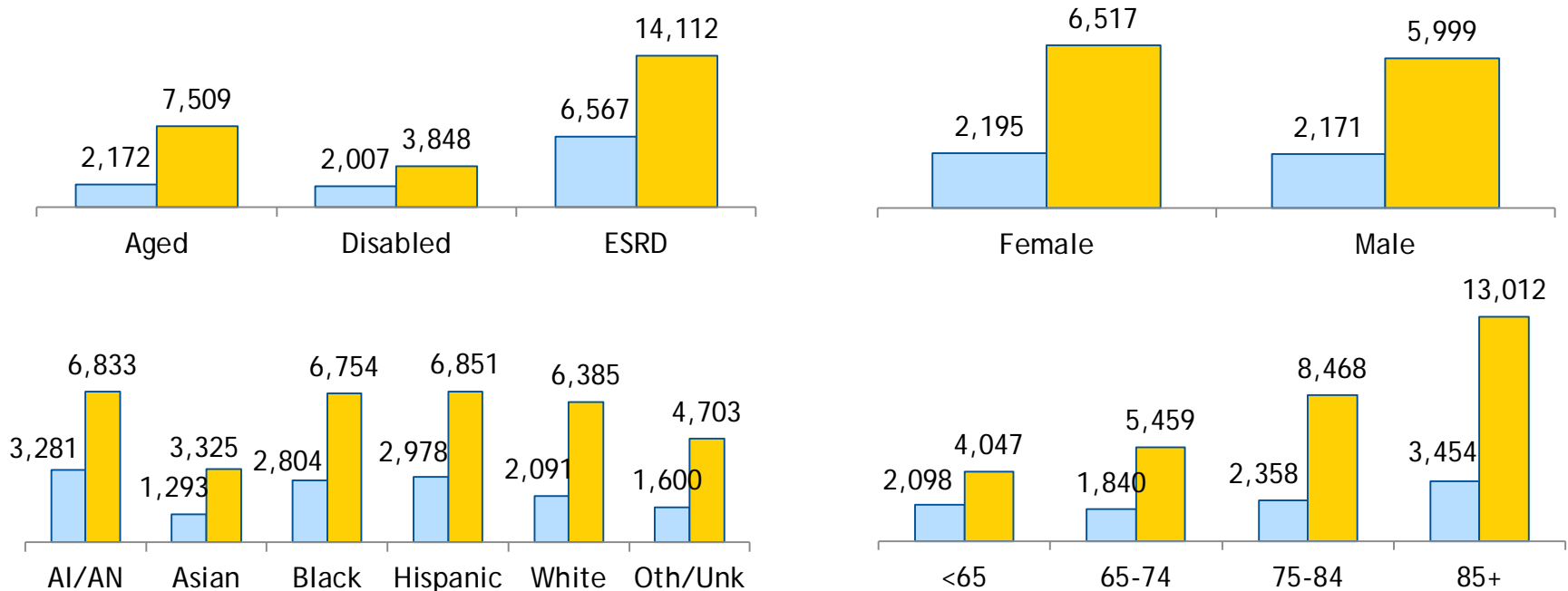
COVID-19 Cases

1,929,014 Total COVID-19 Cases   **2,954** COVID-19 Cases per 100K

COVID-19 Cases per 100K by Beneficiary Characteristics
-Medicare Only vs. Dual Medicare and Medicaid Eligibility-

☐ Medicare Only   ☐ Dual Medicare and Medicaid

Aged: Medicare Only 2,172; Dual Medicare and Medicaid 7,509
Disabled: Medicare Only 2,007; Dual Medicare and Medicaid 3,848
ESRD: Medicare Only 6,567; Dual Medicare and Medicaid 14,112

Female: Medicare Only 2,195; Dual Medicare and Medicaid 6,517
Male: Medicare Only 2,171; Dual Medicare and Medicaid 5,999

AI/AN: Medicare Only 3,281; Dual Medicare and Medicaid 6,833
Asian: Medicare Only 1,293; Dual Medicare and Medicaid 3,325
Black: Medicare Only 2,804; Dual Medicare and Medicaid 6,754
Hispanic: Medicare Only 2,978; Dual Medicare and Medicaid 6,851
White: Medicare Only 2,091; Dual Medicare and Medicaid 6,385
Oth/Unk: Medicare Only 1,600; Dual Medicare and Medicaid 4,703

<65: Medicare Only 2,098; Dual Medicare and Medicaid 4,047
65-74: Medicare Only 1,840; Dual Medicare and Medicaid 5,459
75-84: Medicare Only 2,358; Dual Medicare and Medicaid 8,468
85+: Medicare Only 3,454; Dual Medicare and Medicaid 13,012

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COVID-19 Hospitalizations

493,167 Total COVID-19 Hospitalizations   **759** COVID-19 Hospitalizations per 100K

COVID-19 Hospitalizations per 100K by Geography

Rural Areas: **692** per 100K

Urban Areas: **782** per 100K

Map Scale: per 100K

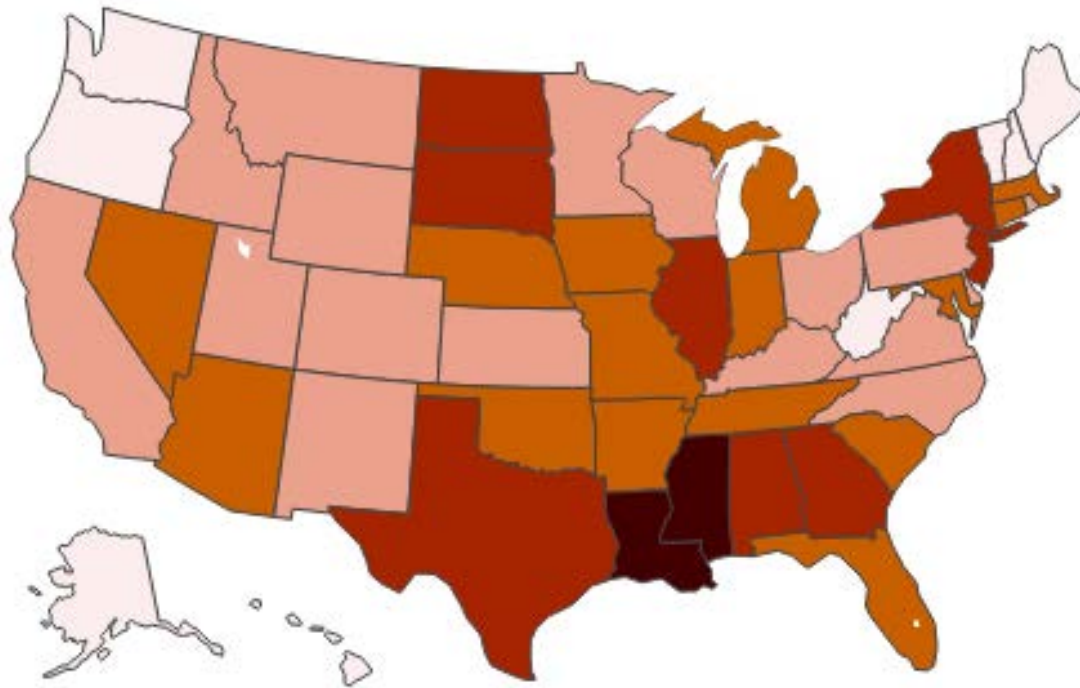| 82 | 369 | 370 | 680 | 681 | 917 | 918 | 1,219 | 1,220 | 1,500 |

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COVID-19 Hospitalizations

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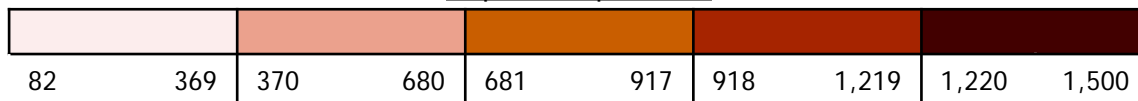
COVID-19 Hospitalizations Trend

Week Ending: 06/06, 06/13, 06/20, 06/27, 07/04, 07/11, 07/18, 07/25, 08/01, 08/08, 08/15, 08/22, 08/29, 09/05, 09/12, 09/19, 09/26, 10/03, 10/10, 10/17, 10/24, 10/31, 11/07, 11/14, 11/21

Values: 8,738; 7,721; 7,355; 8,477; 10,475; 13,954; 16,578; 18,247; 17,697; 16,427; 15,214; 13,407; 12,193; 11,172; 9,932; 9,540; 9,482; 10,047; 11,201; 13,037; 14,299; 16,039; 18,119; 21,917; 23,668

Note: Data for recent weeks is likely to be adjusted upward due to claims lag; see page 2 of this data update for additional details on claims lag.

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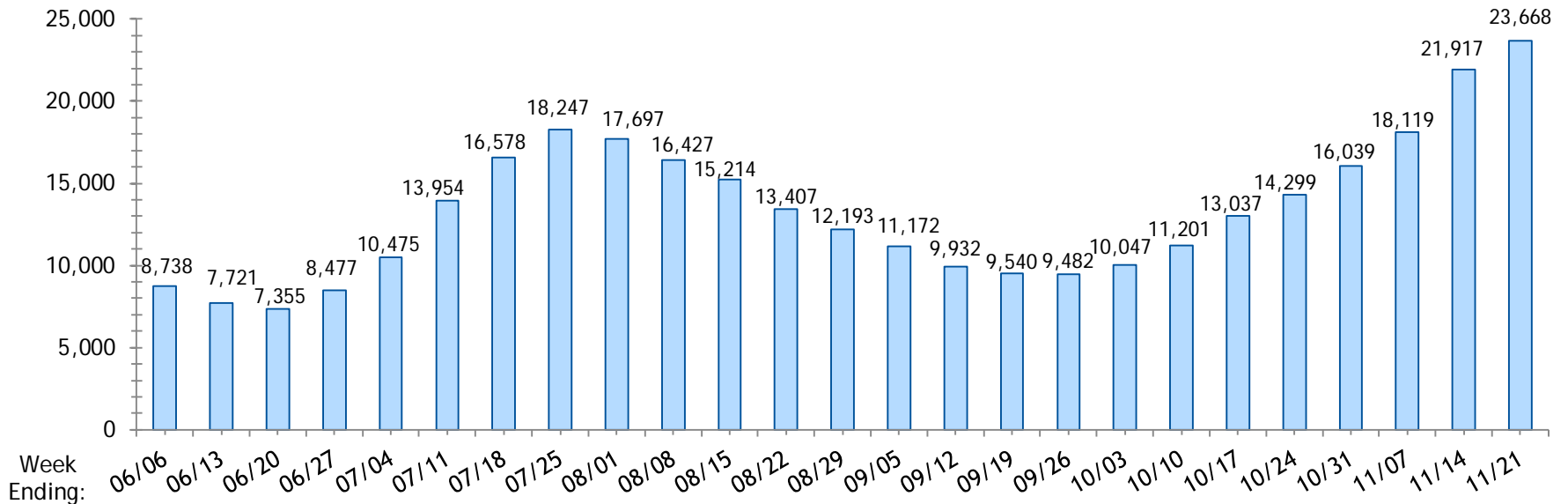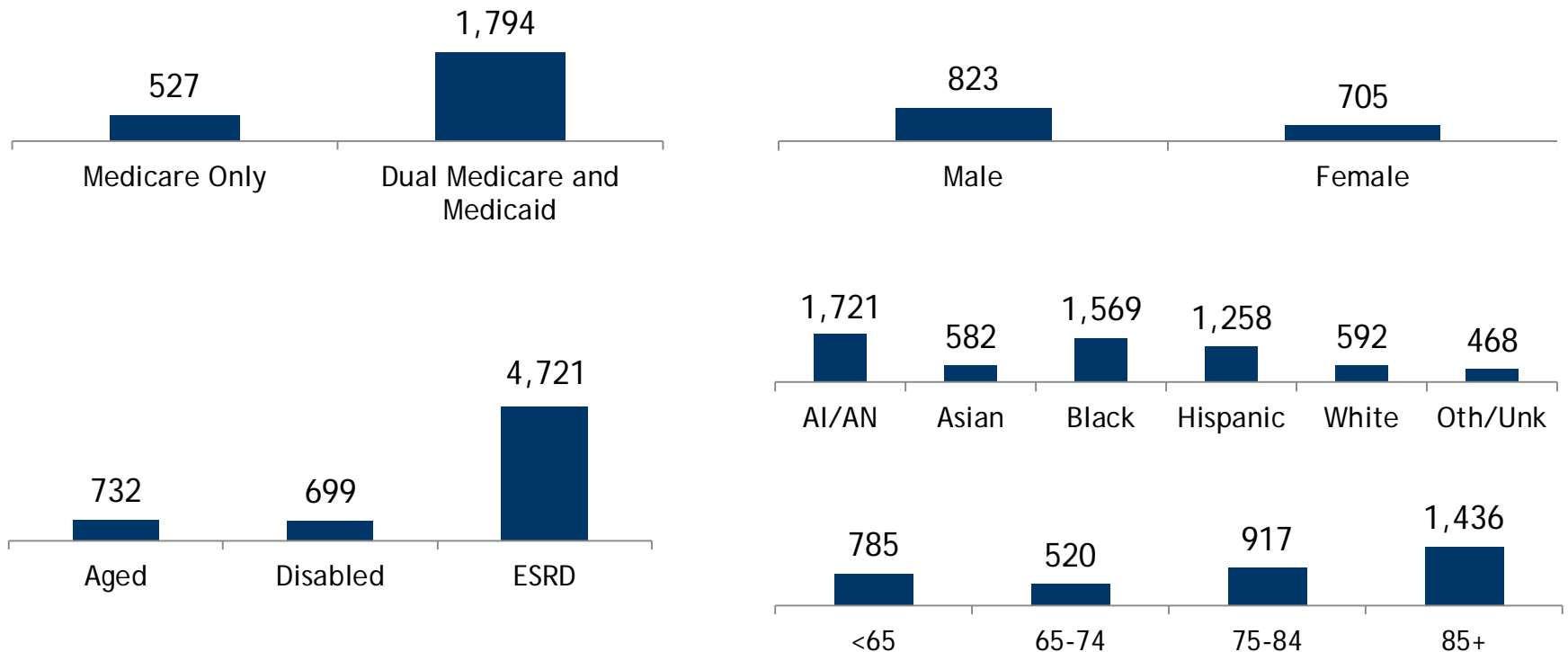
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COVID-19 Hospitalizations

493,167 Total COVID-19 Hospitalizations   **759** COVID-19 Hospitalizations per 100K

COVID-19 Hospitalizations per 100K by Beneficiary Characteristics

Medicare Only: 527	Dual Medicare and Medicaid: 1,794

Male: 823	Female: 705

Aged: 732	Disabled: 699	ESRD: 4,721

AI/AN	Asian	Black	Hispanic	White	Oth/Unk
1,721	582	1,569	1,258	592	468

<65	65-74	75-84	85+
785	520	917	1,436

Note: AI/AN = American Indian/Alaskan Native

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CMS CENTERS FOR MEDICARE & MEDICAID SERVICES

COVID-19 Hospitalizations

493,167 Total COVID-19 Hospitalizations   **759** COVID-19 Hospitalizations per 100K

COVID-19 Hospitalizations per 100K by Beneficiary Characteristics
-Medicare Only vs. Dual Medicare and Medicaid Eligibility-

□ Medicare Only   □ Dual Medicare and Medicaid

By Medicare eligibility category:

	Aged	Disabled	ESRD
Medicare Only	520	421	3,034
Dual Medicare and Medicaid	2,144	955	7,057

By sex:

	Female	Male
Medicare Only	462	600
Dual Medicare and Medicaid	1,675	1,966

By race/ethnicity:

	AI/AN	Asian	Black	Hispanic	White	Oth/Unk
Medicare Only	1,272	340	1,050	720	465	312
Dual Medicare and Medicaid	2,507	1,070	2,490	2,272	1,444	1,382

By age:

	<65	65-74	75-84	85+
Medicare Only	472	364	652	1,033
Dual Medicare and Medicaid	1,071	1,629	2,692	3,332

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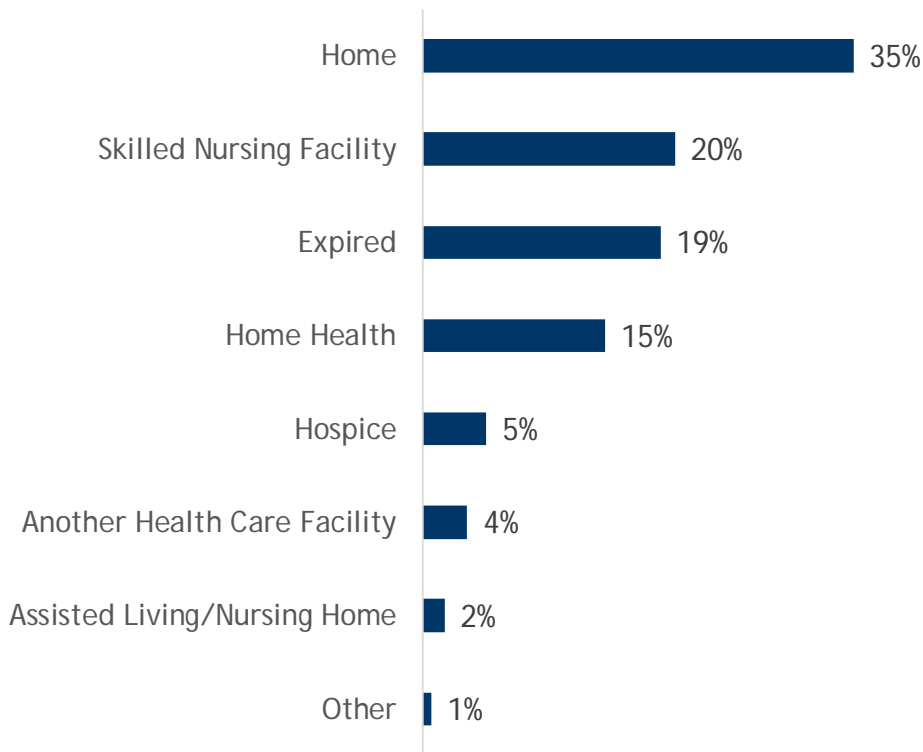*Medicare Claims and Encounter Data: Services January 1 to November 21, 2020, Received by December 18, 2020*
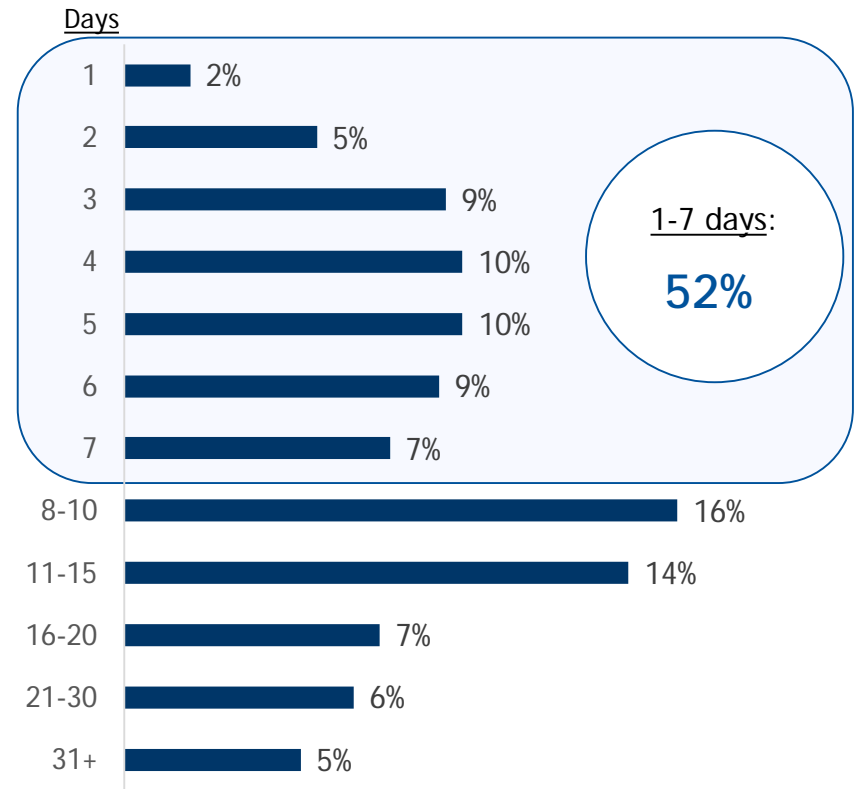## COVID-19 Hospitalizations

493,167 Total COVID-19 Hospitalizations

759 COVID-19 Hospitalizations per 100K

Percent of COVID-19 Hospitalizations by Discharge Status

Discharge Status	Percent
Home	35%
Skilled Nursing Facility	20%
Expired	19%
Home Health	15%
Hospice	5%
Another Health Care Facility	4%
Assisted Living/Nursing Home	2%
Other	1%

Percent of COVID-19 Hospitalizations by Length of Stay

Days

Days	Percent
1	2%
2	5%
3	9%
4	10%
5	10%
6	9%
7	7%
8-10	16%
11-15	14%
16-20	7%
21-30	6%
31+	5%

1-7 days: **52%**

Note: Percentages may not add to 100% because of rounding.

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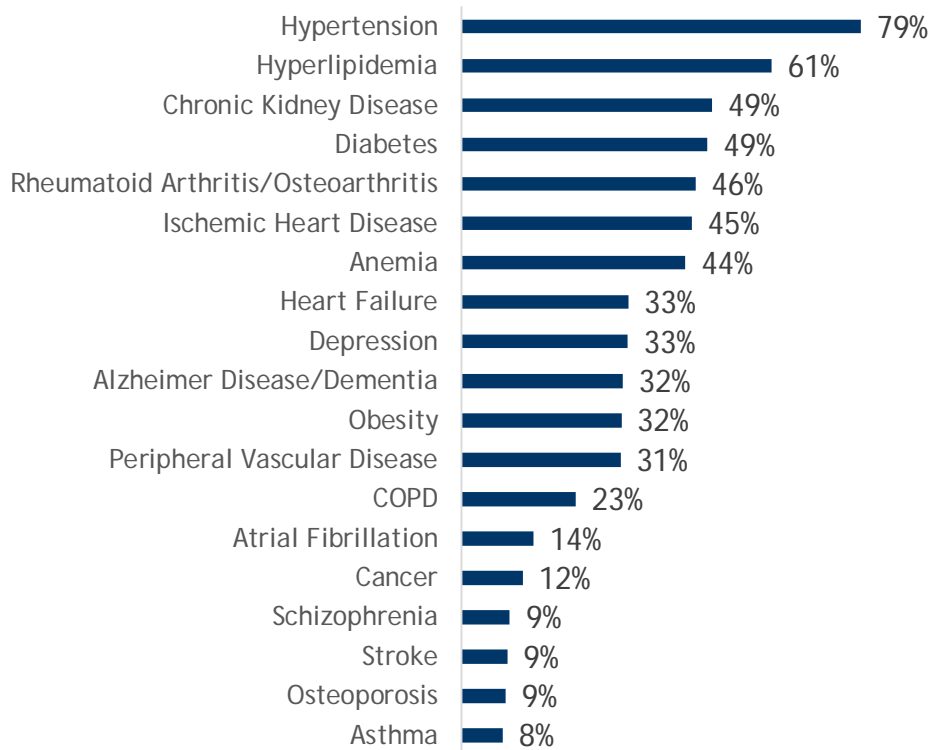
CMS CENTERS FOR MEDICARE & MEDICAID SERVICES

COVID-19 Hospitalizations

314,028 Total <u>Fee-for-Service</u> COVID-19 Hospitalizations

Chronic Condition Prevalence Among Fee-for-Service COVID-19 Hospitalized Beneficiaries

Condition	Percentage
Hypertension	79%
Hyperlipidemia	61%
Chronic Kidney Disease	49%
Diabetes	49%
Rheumatoid Arthritis/Osteoarthritis	46%
Ischemic Heart Disease	45%
Anemia	44%
Heart Failure	33%
Depression	33%
Alzheimer Disease/Dementia	32%
Obesity	32%
Peripheral Vascular Disease	31%
COPD	23%
Atrial Fibrillation	14%
Cancer	12%
Schizophrenia	9%
Stroke	9%
Osteoporosis	9%
Asthma	8%

Medicare Payments for Fee-for-Service COVID-19 Hospitalizations

$7.4 Billion

Total Medicare payment for fee-for-service COVID-19 hospitalizations

$23,558

$4,969 (5th percentile) - **$65,241** (95th percentile)

Average Medicare payment per fee-for-service COVID-19 hospitalized beneficiary

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