COVID-19
Hospitalizations Report
as of March 31, 2021
Demographics
Number of hospitalizations of COVID-19 cases, as of 3/31/2021
(N = 2,427)

Average Hospitalizations
Hospitalized COVID-19 cases by age and by month, as of 3/31/2021 (N=2,427)

- **70+**
  - Percent of Total COVID-19 Hospitalizations: 30%
  - Percent of Jan 2021 Hospitalizations: 33%
  - Percent of Feb 2021 Hospitalizations: 32%
  - Percent of Mar 2021 Hospitalizations: 32%

- **50-69**
  - Percent of Total COVID-19 Hospitalizations: 36%
  - Percent of Jan 2021 Hospitalizations: 33%
  - Percent of Feb 2021 Hospitalizations: 36%
  - Percent of Mar 2021 Hospitalizations: 38%

- **30-49**
  - Percent of Total COVID-19 Hospitalizations: 22%
  - Percent of Jan 2021 Hospitalizations: 20%
  - Percent of Feb 2021 Hospitalizations: 19%
  - Percent of Mar 2021 Hospitalizations: 20%

- **18-29**
  - Percent of Total COVID-19 Hospitalizations: 13%
  - Percent of Jan 2021 Hospitalizations: 9%
  - Percent of Feb 2021 Hospitalizations: 11%
  - Percent of Mar 2021 Hospitalizations: 8%

- **0-17**
  - Percent of Total COVID-19 Hospitalizations: 2%
  - Percent of Jan 2021 Hospitalizations: 2%
  - Percent of Feb 2021 Hospitalizations: 2%
  - Percent of Mar 2021 Hospitalizations: 3%
Length of Stay per Unique Hospitalization

Length of stay per visit for total hospitalizations, as of 3/31/21 (N=2,555 visits)

- 0-5 days: 58.3% (n = 1,415)
- 6-10 days: 19.3% (n = 469)
- 11-15 days: 9.0% (n = 219)
- 16-20 days: 4.1% (n = 101)
- 21+ days: 9.2% (n = 222)
Length of Stay per Unique Hospitalization in January

Length of stay per visit for hospitalizations in January 2021 (N=619 visits)

- 0-5 days: 60.4% (n = 374)
- 6-10 days: 20.5% (n = 127)
- 11-15 days: 9.9% (n = 61)
- 16-20 days: 4.2% (n = 26)
- 21+ days: 5.0% (n = 31)
Length of Stay per Unique Hospitalization in February

Length of stay per visit for hospitalizations in February 2021 (N=352 visits)

- 50% stay 0-5 days (n = 176)
- 21.6% stay 6-10 days (n = 76)
- 11.1% stay 11-15 days (n = 39)
- 4% stay 16-20 days (n = 14)
- 13.4% stay 21+ days (n = 47)
Length of Stay per Unique Hospitalization in March

Length of stay per visit for hospitalizations in March 2021 (N=132 visits)

- 0-5 days: 55.3% (n = 73)
- 6-10 days: 20.5% (n = 27)
- 11-15 days: 5.3% (n = 7)
- 16-20 days: 4.5% (n = 6)
- 21+ days: 14.4% (n = 19)
Comorbidities Among Total Hospitalized Cases as of 3/31/21 (N=2,427)

- Diabetes (Type II Only): 36.8%
- Hypertension: 23%
- Serious heart condition: 21.1%
- Obesity: 17.6%
- Other comorbidity: 16%
- Chronic kidney disease: 11.7%
- Neurologic disease: 7.1%
- Cancer: 4.3%
- COPD: 3.3%
- Immunocompromised from solid organ transplant: 1.3%
- Sickle cell: <1%
Comorbidities among hospitalized patients in January

Comorbidities Among Hospitalized Cases for January 2021 (N=610)

- Diabetes (Type II Only): 49.3%
- Hypertension: 39.8%
- Serious heart condition: 32.1%
- Obesity: 18.5%
- Other comorbidity: 17.5%
- Chronic kidney disease: 13.8%
- Neurologic disease: 9.3%
- Cancer: 4.3%
- COPD: 3.1%
- Immunocompromised from solid organ transplant: 1.5%
- Sickle cell: <1%
Comorbidities among hospitalized patients in February 2021 (N=344)

- Diabetes (Type II Only): 35.8%
- Hypertension: 30.2%
- Other comorbidity: 28.5%
- Serious heart condition: 19.8%
- Obesity: 17.7%
- Chronic kidney disease: 9.6%
- Cancer: 8.4%
- Neurologic disease: 6.1%
- COPD: 5.8%
- Immunocompromised from solid organ transplant: 2.3%
- Sickle cell: <1%
Comorbidities among hospitalized patients in March

Comorbidities Among Hospitalized Cases for March 2021 (N=132)

- Hypertension: 36.4%
- Diabetes (Type II Only): 34.8%
- Other comorbidity: 27.3%
- Serious heart condition: 21.2%
- Obesity: 19.7%
- Chronic kidney disease: 11.4%
- Cancer: 9.1%
- COPD: 9.1%
- Neurologic disease: 4.5%
- Immunocompromised from solid organ transplant: 3.0%
- Sickle cell: <1%
Number of Comorbidities Among Hospitalized Patients as of 3/31/21 (N=2,427)

- 33.4% of patients have zero comorbidities
- 28.1% of patients have 1 comorbidity
- 20.5% of patients have 2 comorbidities
- 18.0% of patients have 3 or more comorbidities
Number of comorbidities among January hospitalized patients

Number of Comorbidities Among Hospitalized Patients in January 2021 (N=610)

- Number of patients with zero comorbidity: 25.2% (n = 154)
- Number of patients with 1 comorbidity: 26.1% (n = 159)
- Number of patients with 2 comorbidities: 27.5% (n = 168)
- Number of patients with 3 or more comorbidities: 21.1% (n = 129)
Number of comorbidities among February hospitalized patients

Number of Comorbidities Among Hospitalized Patients in February 2021 (N=344)

- 25.6% with zero comorbidity (n = 88)
- 26.2% with 1 comorbidity (n = 90)
- 18.9% with 2 comorbidities (n = 65)
- 29.4% with 3 or more comorbidities (n = 101)
Number of comorbidities among March hospitalized patients

Number of Comorbidities Among Hospitalized Patients in March 2021 (N=132)

- # of patients with zero comorbidity: 22% (n = 29)
- # of patients with 1 comorbidity: 26.5% (n = 35)
- # of patients with 2 comorbidities: 24.2% (n = 32)
- # of patients with 3 or more comorbidities: 27.3% (n = 36)
Conclusions
Conclusion

1. From March 2020 through March 2021 there were 33,174 COVID-19 cases reported and there were 2,427 COVID-19 hospitalizations at LVMC, Marian, and Cottage Hospitals.

2. Half of all COVID-19 hospitalizations were over 50 years old

3. The most common hospitalization length of stay was between 0 to 5 days. However, 13% had a length of stay over 16 days.

4. Among those hospitalized, diabetes and hypertension were the most common types of comorbidities.

5. Over half of hospitalized patients had at least one comorbidity.
Questions?

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