Utilization of Total Beds in Louisiana Hospitals
Predicted hospital bed full saturation
Grand Total
Forecast(Grand Total)
Lower Confidence Bound(Grand Total)
Upper Confidence Bound(Grand Total)
Predicted ICU bed full saturation
Preliminary Hospitalized COVID-19 Patient Data
<table>
<thead>
<tr>
<th>Date</th>
<th>Region 1</th>
<th>Region 2</th>
<th>Region 3</th>
<th>Region 4</th>
<th>Region 5</th>
<th>Region 6</th>
<th>Region 7</th>
<th>Region 8</th>
<th>Region 9</th>
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</thead>
<tbody>
<tr>
<td>31-Mar</td>
<td>200</td>
<td>300</td>
<td>150</td>
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</tr>
</tbody>
</table>

R0 Covid Positive
UMC: 3/10/2020

Shelter in place
3/20/2020

First Hydroxychloroquine UMC dose
3/16/2020
Philadelphia got less of a warning about the 1918 flu — the chart shows its first cases were ahead of St. Louis’s — and that limited its ability to respond somewhat. But even given that, Markel said, Philadelphia just did a much worse job than St. Louis at putting in place social distancing measures. Philadelphia, as just one example, didn’t cancel a World War I parade as the 1918 flu picked up, which likely led to thousands of infections.
Ventilation report
The State of the Blood Supply

HEALTHY DONORS NEEDED NOW!

Our Donor Centers are OPEN!

SCHEDULE YOUR APPOINTMENT TO DONATE!
(Must be done at least a day in advance)
Did You Know?
About 40% of the population can donate, only about 5% actually do.

- **The Blood Center** supplies Southeastern Louisiana and the Mississippi Gulf Coast [www.thebloodcenter.org](http://www.thebloodcenter.org)

- Current inventory levels are at a three day supply and adequate to meet current patient demands and any potential short term surge in usage.

- Current blood collections are keeping pace with demand – based on current trends – **but this must be replenished daily as it is the blood on the shelf that saves a life**
Ask yourself if you're feeling healthy... Good! continue on.

• **Schedule a blood donation.** Blood already on the shelves saves lives, and maintaining a sufficient blood supply is essential to ensure patients in need receive optimal treatment.

• **Begin the health screening** via FastLane *on the day of your donation* BEFORE you enter a donor center or mobile blood drive

• **Eat a good meal and don't forget your ID**

• **Arrive as close to your appointment time as possible** to reduce your wait and follow the *social distancing measures* suggested by the CDC

• After your donation, **consider sharing with friends and family** what you did on social media. It's good, positive, and you may encourage someone else into donating

The Blood Center would like to emphasize that sanitation, cleanliness, and safety for our donors, patients, and staff has always been #1. Every day, as a part of our regular operations, our donor centers follow appropriate infection control standards put forth by the U.S. Food and Drug Administration (FDA)
Dr David Mushatt Update
Rapid COVID-19 Testing

• Per the SARS-CoV-2 Diagnostic Pipeline site
  https://www.finddx.org/covid-19/pipeline/?avance=all&type=Rapid+diagnostic+tests&status=all&section=immunoassays

• Rapid immunoassays in development = 117
  • Some are antigens (Ag)
  • Some are IgM/IgG antibodies
  • Proof of concept, in development, some approved in Europe/China
STANDARD Q COVID-19 IgM/IgG Duo
SD Biosensor

- Rapid testing for antibodies within 10 mins
- 10ul of specimen: whole blood, serum, plasma

**Limitations**
- Small “N”
- Works best after at least 7-10d post symptom onset
- We don’t know extent of cross-reactivity with other circulating coronaviruses

### Combined positive test results are used to calculate total Duo test sensitivity

<table>
<thead>
<tr>
<th></th>
<th>PCR Positive</th>
<th>PCR Negative</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>STANDARD Q COVID-19 IgM+IgG</td>
<td>27</td>
<td>1</td>
<td>28</td>
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<tr>
<td>Negative</td>
<td>6</td>
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<td>35</td>
</tr>
<tr>
<td>Total</td>
<td>33</td>
<td>30</td>
<td>63</td>
</tr>
</tbody>
</table>

- STANDARD Q COVID-19 IgM + IgG showed 81.8% of sensitivity and 96.6% of specificity.

**Test results of the specimens collected after 8 days and 10 days from the date of symptom onset.**

![Table](image)

- Based on result of test with positive specimens, it was found that IgM antibody diagnosis with STANDARD Q COVID-19 IgM/IgG Duo Test was effective for diagnosis SARS-CoV-2 from the time when after about 7 days from the date of symptom onset. And STANDARD Q COVID-19 IgM/IgG Duo Test showed a high specificity in the test with negative specimens.