Qventus

Nashville Healthcare Council COVID Task Force,

We recognize these are incredibly challenging, unprecedented times across the nation. If you're not familiar with our company, Qventus uses AI to improve hospital operations and allow clinicians to focus on healthcare. We've been very concerned about everyone on the frontline caring for Covid-19 patients, so we developed a pro bono tool to project COVID demand, down to a facility level. More about the tool and other near term solutions are below.

We'd love to address any questions and get feedback- please email if you're interested and open to connecting covid19@qventus.com.

Pro Bono COVID-19 Planning Solution:
This user-friendly model allows you to predict the daily impact of COVID-19 directly within your hospital/hospital system. The tool consists of 450 localized epidemiological models that are run and updated daily, providing an up-to-date perspective on the impact of the pandemic in local areas. Users to-date have included white house task force members, city and state governments, and other major health systems. Using this tool, you can scenario plan:

- Forecast new admits
- Identify constraints with beds, ICUs, vents, PPE & staffing
- Create scenarios so that you can plan for and mitigate the surge
- Manipulate inputs and immediately see forecasted impact on the above metrics

COVID-19 Interventions with Health Systems
Additionally, Qventus is working with health systems to implement near term interventions to help them get ahead of this, future surges, volume increases as elective surgeries get rescheduled, flu season, etc. These can be deployed very rapidly — in a few weeks to a couple of months. They include:

- **Within weeks (ahead of your projected COVID surge):**
  - Real time awareness of high priority resources (e.g., negative airflow, ICU, Med-Surg beds); accessible remotely from anywhere
  - Automated "nudges," for surge planning, delivered to anyone on your team ahead of capacity constraints; accessible remotely from anywhere
  - AI/ML-driven dischargeability and ICU stepdown lists to help identify patients who can transition to the next level of care
  - All with minimal resource needs/ lift to your team

- **Within months (to proactively get ahead of flu season):** Managing LOS and patient flow has never been more important, and will be moving forward. We offer deep solution, including:
    - Intelligent discharge planning powered by AI
    - Hardwired barrier resolution with ML-driven ancillary prioritization
    - Management toolkit with statistical process analytics and automated escalations

Again, our goal is to do whatever we can to help healthcare leaders manage through this unprecedented situation.

Thank you
Ashley Smith
Managing Director of Partnerships