

From: Schwartz, David
 Cc: Barnes, Katherine; Allen, Larry; Beggs, Virginia; Butrick, Peter; Choudhry, Michael; Messersmith, Wells; Pasotnik, Eric M; Jordan, Craig; Shaw, Henry; Gile, Mark; Burden, Marsha; Edmundowicz, Steven; Colgan, Scott; Barnett, Mark; Fontenot, Andrew; Tread, Curt; Haugen, Bryan; Haden, Michael; Schwartz, Robert; Stenmark, Kurt; Archuleta, Penny; Austin, Gregory; Beck, James; Lemmings, Connor; Torres, Sonia; Yin, Nicholas; Jordan, Ernie; Kasper, Philip; Placens, AP; Albert, Richard; Wilcox, Cary
 Subject: DOM Covid Communication
 Date: Friday, April 3, 2020 8:38:46 PM
 Attachments: COVID Town Hall - 040320.docx
 mscap001.docx

Dear Friends and Colleagues.

We've made it through another week, we're still standing, and we've had a lot of successes and challenges. Only a few of our colleagues, trainees, and staff have developed coronavirus (total of 4 that I know of), and all have done well. I want to update you on few topics.

Clinical: Hospital Medicine has 5 Covid teams, Pulmonary Medicine has 4 additional surge ICU teams (2 of which are covered by anesthesiology and surgery), and ID has 5 consult teams. The below census was taken at midnight and although it shows a bit of a leveling off at UCH, we need more data before we know whether we've pushed the peak number of cases out beyond April 17th (<http://www.healthdata.org/covid/updates>) which would be great.

Date/Time	UCH Inpatient Total PUI	UCH Inpatient total COVID-19+	UCH Floor COVID-19+	UCH-ICU COVID-19+	UCH-ICU COVID-19+: Vent	UCH-ICU COVID-19+: Vent/ECMO	VA Inpatient total COVID+	CHCO Inpatient total COVID+	DH Inpatient total COVID+	NIH ICU COVID+
3/27/2020	24	51	28	23	20	1				45
3/28/2020	10	67	37	30	27	1				41
3/29/2020	2	70	35	35	32	1	8	1	31	58
3/30/2020	2	70	29	41	36	1	7	1	29	63
3/31/2020	1	86	37	49	44	1				
4/1/2020	6	100	50	50	46	2	5	2	38	
4/2/2020	1	102	49	53	47	3	5	4	43	

- While there have been a number of patients successfully discharged from Hospital Medicine and at least 10 patients extubated and one coming off ECMO post Covid-19 in our surge ICU teams, there have been a number of Covid-induced deaths. Marc Moss thinks that the mortality associated with Covid-induced ventilated ARDS will be similar to other forms of severe ARDS (approximately 50%).
- UCH Source (<https://thesource.uchealth.org/news/forms/discharge-form.aspx?ID=1429>) has published guidelines for treatment of Covid+ patients (https://thesource.uchealth.org/Committees/sst/Documents/COVID-19%20Algorithm_v2.4_3-27.pdf), and is finalizing guidelines for inpatient management and discharge of Covid+ patients (see attached draft).
- DOM has established a committee chaired by Greg Austin to begin to plan a transition to post-Covid crisis clinical operations. While everyone recognizes that this won't take place soon, the planning is complex and we need to get started.

Education:

- The SOM and GME office have initiated Stage 3 pandemic planning which will allow for reassignment of residents and fellows based on clinical need across all of our hospital partners. Internal moonlighting will end by April 20th, as a recognition of the need for 'all hands on deck.'
- Given the success of medical grand rounds this past week ("Covid-19: Challenges, Opportunities, and Unknowns"; <https://youtu.be/VtL7xv29Bt0> with over 1600 attendees), we've decided to have the next 3 medical grand rounds focus on critical issues related to Covid-19. Thus far, we have the following presentations planned (titles are likely to change):
 - April 8th: ARDS, IL-6, and Coronavirus-induced Cytokine Storm**
 - Ivor Douglas, MD
 - Mercedes Rincon, PhD
 - Charles Dinarello, MD
 - April 15th: Crisis Standards of Care: 10 years of lessons learned about ethical triage, but are we ready?**
 - Matt Wynia, MD, MPH
 - 1-2 other speakers that are considering the invitation
 - April 22nd: Humoral and T Cell Approaches to Vaccine Development**
 - Rosemary Rochford, PhD
 - Ross Kedl, PhD
 - Potential guest speaker from Wuhan, China

Research:

- Covid-Specific Research Opportunities:**
 - National Institutes of Health (NIH) funding opportunities related to COVID-19:**
Compiled list of NIH opportunities, and information for applicants and recipients of NIH funding. Note in particular that several institutes have issued opportunities for supplements to existing grants. Scroll down on page for complete list.
https://grants.nih.gov/grants/natural_disasters/corona-virus.htm
 - Health and Human Services (HHS) Biomedical Advanced Research and Development Authority (BARDA):**
HHS/BARDA has released a broad agency announcement to focus on advanced development and licensure of COVID-19 diagnostics, vaccines, therapeutics, or antivirals.
<https://beta.sam.gov/bpp/1b46a4169fcd907b9c4fcb5b5f98177/vinw>
 - National Science Foundation (NSF) opportunities:**
The NSF encourages COVID-19 related RAPID submissions through existing funding opportunities.
<https://www.nsf.gov/pubs/2020/nsf20052/nsf20052.ssf>
 - Department of Defense pre-solicitation for a potential request for proposals:**
This potential opportunity will be focused on development of prototypes to combat COVID-19.
<https://beta.sam.gov/bpp/53ba0d9b07349e78839a541495ef6a/vinw>
 - American Heart Association Rapid Response Grant:**
Grant amounts will be up to \$100,000, including up to 10 percent institutional indirect costs. Applications for funding are due April 6, 2020 at 4pm MDT.
https://professional.heart.org/professional/ResearchPrograms/UCM_505867_AHA-Rapid-Response-Grant-COVID-19-and-its-Cardiovascular-Impact.jsp
- Campus-wide committee has been appointed to consider re-initiation of lab activities on AMC. Everyone recognizes that this will not take place soon but nonetheless needs a great deal of planning. Craig Jordan is our departmental representative on this committee. The committee is at the very beginning stages of discussion.
- There are concerns regarding funded grants, lack of productivity, and recognition that some personnel funded on grants are not working efficiently. The NIH as well as other Sponsors have been extremely flexible. My view is that we need to pivot to writing papers, grant applications, and work with our colleagues to conceptualize new experiments. Keep meeting via zoom with your lab group and keep creating new knowledge.
- The COVID Research Consortium has made a great deal of progress under Tom Flaig's leadership. The IRB has been approved for UCH, an IRB is being prepared for CHCO, the biobank is being established with samples processed at HIMSR, data is being consolidated through Compass/EPIC, and a steering committee is meeting to establish a protocol to allocate samples to investigators.

Finances:

- In the DOM, we are conservatively projecting a \$6.7M shortfall in clinical revenue in FY20 and a \$3.1M shortfall in clinical revenue in FY21. This will require that we cover an anticipated FY20 deficit of \$4.3M and an FY21 deficit of \$3.1M.
- Our deficit reduction plan will involve contributions from the divisions and the department. We are exploring mechanisms to reduce expenses, increase revenue, and use funds from departmental quasi endowment accounts. While this is an ongoing discussion with the division heads, I'm confident that we will be able to address the anticipated deficits through December. My primary goal is to maintain current faculty and staff at their current compensation.

Communication:

- We had a DOM Town Hall this past week, and maxed out the 300 participant zoom meeting limit. Fortunately, the Town Hall was recorded: https://youtu.be/x2c1Wkw_Dhg. I've attached the introductory slides we presented at the Town Hall. Given the success of the first Town Hall, we're planning a weekly DOM Town Hall; the next one will take place on Thursday, April 9th between 7 and 8pm. Details will follow from Holli Keyser.

In any crisis, time slows down and our co-dependence becomes that much more tangible. I'm incredibly proud of the way our department has pulled together over the past several weeks. We are a force to be reckoned with, and I'm convinced that we have the will, the strength, and the ability to get through this crisis. Stay well, stay connected, and get in touch with me if you have questions. Thank you for all of your contributions. Best wishes to you, your families, and your friends.
 David (the baby zoomer)

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Department of Medicine

SCHOOL OF MEDICINE

UNIVERSITY OF COLORADO

ANSCHUTZ MEDICAL CAMPUS

DOM COVID-19 TOWN HALL

- Welcome and Introduction
- Brief overview of clinical, training, and research programs
- Financial planning at AMC
- Wellness

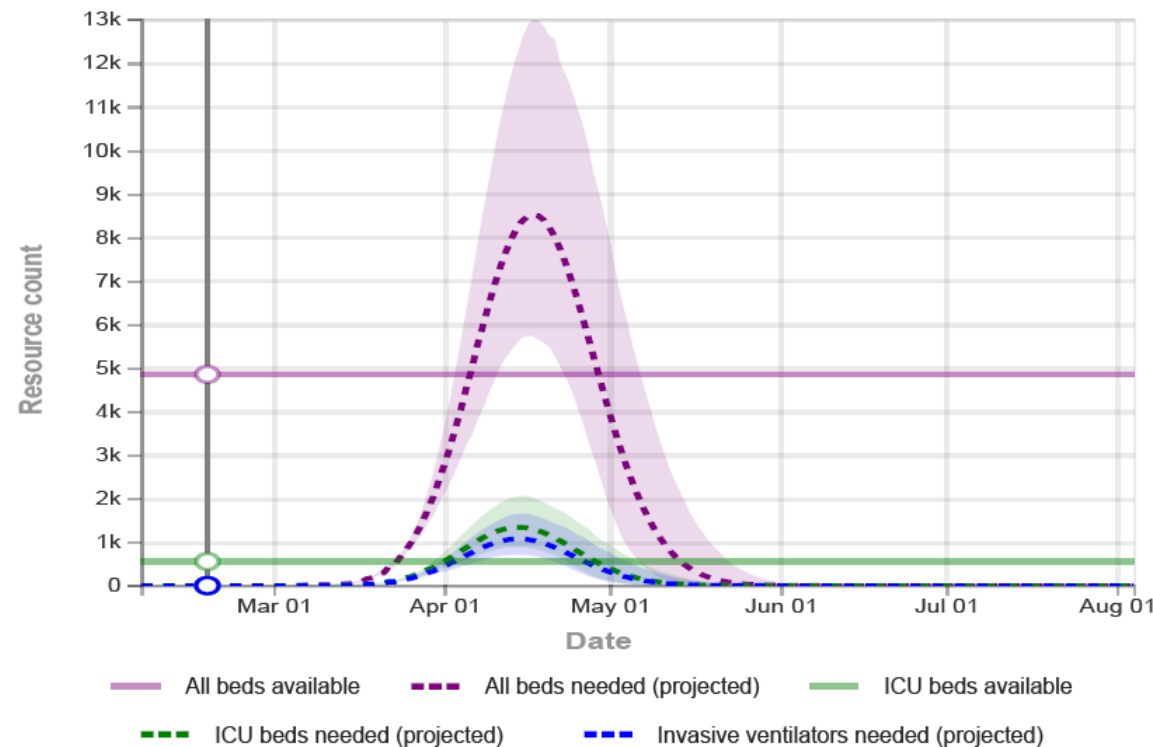
Q/A – Use the chat box to ask questions

Leadership to Address Questions

- AMC – DOM Vice Chairs, Anne Fuhlbrigge, Jean Kutner
- VAMC – Jim Beck
- NJH – Kevin Brown
- Denver Health – Ed Havranek and Connie Price

Clinical

- Surge in cases (≈ 2 -2.5 fold increase) is predicted for mid-April to mid-May dependent on model and effect of social distancing



No model is
perfect and
many to
choose from

Clinical

- Surge in cases (≈ 2 -2.5 fold increase) is predicted for mid-April to mid-May dependent on model and effect of social distancing
- Telehealth is the new normal, providing a lifeline to many of our patients at AMC
- Cases of COVID-19 continue to increase across our institutes

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3/31/2020	14	95	46	49	5	31	

Housestaff

- Outstanding incoming intern group
 - 38% AOA including 3 MD/PhDs (2 PSTPs)
 - 19% URM
- Relaxed AAMC guidelines
 - No more than 80 hrs/week + one day off
 - All else is at the discretion of the Program Director
- Trainees are being deployed according to clinical need
 - Electives canceled, ICU and medicine team added

Residents are excited to be part of the COVID response

Research

- Clinical trials and limited basic research projects
- Research consortium – data repository and biobank
- Grant support – CCTSI, NIH, DoD, NSF, BARDA, and Foundations
- DOM research day – Monday, April 6th (10am-1pm)

Loss in Clinical Revenue

- AMC - \$6.7M shortfall through the end of June resulting in \$2.6M deficit across the DOM
- Deficit reduction plan: **goal is to maintain current faculty and staff at their current compensation to the greatest extent possible**
 - 2/3 from the divisions and 1/3 from the DOM
 - No salary increases
 - No incentives, including academic incentives (pending CU Medicine approval)
 - Only critical hires
- Projecting a conservative clinical revenue stream through October

Wellness

[take care of yourselves]

Sources for apps, articles, and campus support sessions and chat lines:

- DOM (<https://medschool.cuanschutz.edu/medicine/faculty-affairs/covid-19>) under “Caring for our Providers”
- Department of Psychiatry Support website (<https://medschool.cuanschutz.edu/psychiatry/covid-19-support>)
- UCH The Source (<https://thesource.uchealth.org/News/Forms/DispNewsForm.aspx?ID=1429>)
- Virtual gatherings have been established by DOM Divisions and WellDOM Champions to promote **Social Connection** in this time of Physical Distancing

Additional Sources of Information

- UCH Source (<https://thesource.uchealth.org/News/Forms/DispNewsForm.aspx?ID=1429>)
- CU AMC (<https://www.cuanschutz.edu/coronavirus>)
- CU SOM (<https://som.ucdenver.edu/COVID-19>)
- DOM (<https://medschool.cuanschutz.edu/medicine/faculty-affairs/covid-19>)
- ID Division (<https://medschool.cuanschutz.edu/infectious-diseases/information/ncov>)
- IHME (<http://www.healthdata.org/covid/updates>)
- COVID curated literature (<https://www.ncbi.nlm.nih.gov/research/coronavirus/>)