

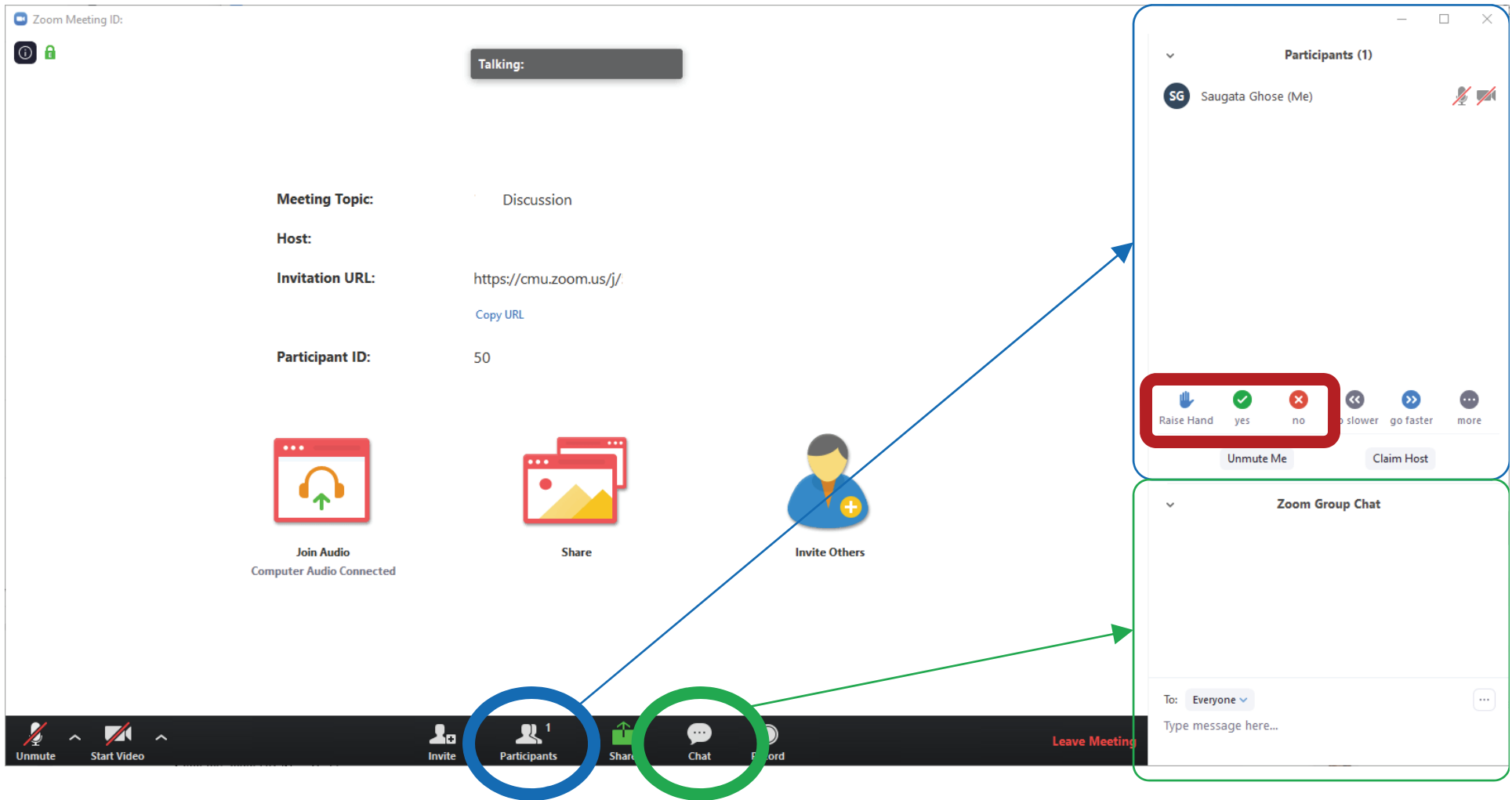
COVID-19, Online Instruction, and You

15-213/18-213/15-513/18-613:
Introduction to Computer Systems
16.5th Lecture, March 17, 2020

Today's Agenda

- **Zoom Tips**
- COVID-19/Coronavirus Context
- How 213/613 Will Handle Online Instruction

Zoom Interface



General Zoom Interactions

■ While you are listening

- Keep your video off (Zoom doesn't handle all that bandwidth well)
- Keep your mic muted
- **Please ask questions and interact!**
 - Use the **Chat** feature – we will look for questions there
 - Under the Participants tab, **raise your hand**
 - Click Yes/No when prompted, and then click again to clear your response

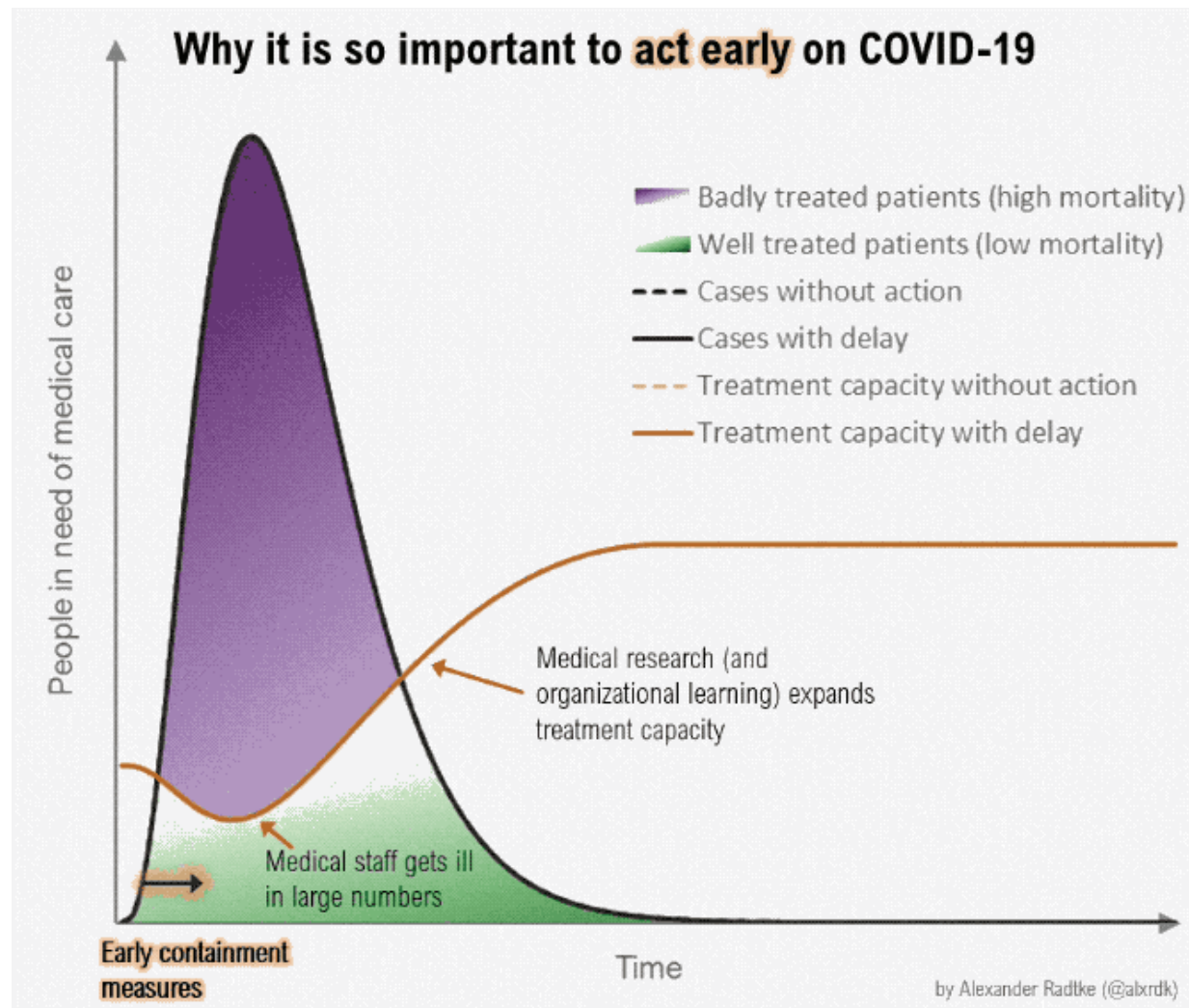
■ When asking questions

- Unmute your mic
- If you can, show your video – we miss seeing you!
- Mute your mic and turn off your video after your question has been answered

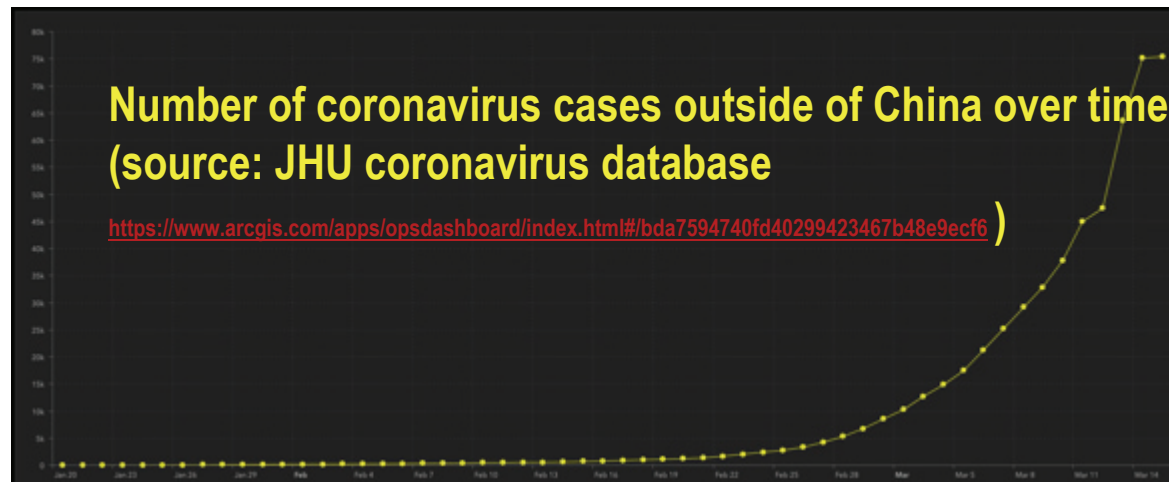
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Why All This? To Flatten the Curve!



Infection Spread Increases Exponentially (at least initially)



- Our healthcare system can't easily absorb a new large-scale disease
- With uncontrolled transmission, more people will die
- Lowering the exponent is our best hope to not overwhelm the system
- Hence social distancing: these measures seem radical, but are necessary
- Early interventions are key
 - This requires a change in behavior from all of us
 - See for yourself:
<https://www.washingtonpost.com/graphics/2020/world/corona-simulator/>

I Am Young, Should I Still Worry?

- People of all ages can be infected by the new coronavirus (2019-nCoV). Older people, and people with pre-existing medical conditions (such as asthma, diabetes, heart disease) appear to be more vulnerable to becoming severely ill with the virus. [WHO]
- But it is easy, even for asymptomatic people with COVID-19, to spread the illness.
- So, if you get sick, you increase the exponent. Especially if you get sick early.
- So, stay safe, hang out in small sets of people, and, despite everything, try to not worry too much.

Things to Remember During Distancing

- **Take care of yourself and others around you**
 - Single most important thing you can do now
 - Remember: COVID-19 can be asymptomatic
- **Watch your mental health as well**
 - Social distancing can be lonely
 - Make time to Skype/Zoom with friends, play games, and distract yourself with hobbies
 - CDC pointers: <https://www.cdc.gov/coronavirus/2019-ncov/about/coping.html>
 - There is **always** someone who wants to talk with you, no matter what it's about
- **Don't stress out about courses**
 - We're all wading through this experiment together
 - It's fine to retune your expectations – you'll be fine in the long run

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Using Zoom for 213/613

- Lecture discussions, recitations, OH through Zoom
- **Recommended: Download the Zoom app**
 - Quick install for all platforms (Linux build a little wonky...)
 - Log in using “Sign in with SSO” – goes through CMU login
- **Go to our Zoom hub**
 - <https://piazza.com/class/k4x5uvxc2mnit?cid=1983>
 - All Zoom links will be posted here

Lectures

- **We are transitioning to flipped lectures**
 - You are responsible for watching videos before class starts
 - We will have a (shorter) discussion during class time
- **Videos/slides will be posted 24 hours before class**
- **In class**
 - Start with a short summary of key points from lecture
 - One activity to do in breakout rooms
 - Take the quiz
 - Discuss the quiz
 - Handle any remaining questions (similar to conceptual OH)

Recitations

- **Scheduled at normal times (all times Eastern)**
 - Try to attend your regular recitation session if possible
 - If not, pick any one that's convenient: we offer recitations as early as 9:30 AM Eastern and as late as 8:00 PM Eastern
 - Will provide a recording by Thursday morning for those with connectivity issues
- **Will work much the same as usual**
 - TAs will lead discussion
 - Will involve frequent interaction with students, so participate!
 - Will try to use breakout rooms for small group activities

Recordings

- Lecture videos will be posted online
- Flipped lecture discussions in class are not recorded
- One recitation will be recorded/posted each week

- **HOWEVER, we strongly encourage you to attend live as much as possible**
 - Recitations and discussions are meant to facilitate you asking questions – can't ask a recording!
 - Helps build and maintain our sense of community with each other
 - Will keep you on track
 - Reduces everyone's sense of isolation

Office Hours

■ Lab office hours

- YOU need to add your Zoom link to the description on the office hours queue
- TA will connect to you when your turn is up
- Details: <https://piazza.com/class/k4x5uvxc2mnit?cid=1984>
- Video of what to do: <https://youtu.be/kgMC4grHp10>

■ Conceptual/faculty OH

- Zoom links will be posted online
- Public discussions that anyone can drop in on
- For private discussions with faculty
 - Contact us on Piazza or with a private chat message during OH
 - We will work out a time and set up a private Zoom meeting

Assessments

■ Malloc lab

- We want to ensure that you have enough time for the main assignment
- Malloc traces are now for extra credit
- Other malloc deadlines remain the same
- Malloc bootcamp: this Thursday

■ Exams

- Will be administered online
- Still working out the logistics – more details forthcoming
- Also still working out makeup/regrade logistics – sit tight, please

■ In-class quizzes

- New quizzes do not count for credit – only for discussion now

Summary

Take care of yourself!

- All classes remote for the rest of the semester
- 213/613 lectures are now *flipped*
 - Videos released 24 hours before class
 - You MUST watch before class time
 - During class: summary, discussion, quiz, questions
- 213/613 recitations as usual, but online
- OH will be done online – require your cooperation
- Malloc traces are now for extra credit

- Fill out feedback form on Piazza, please!