Dear MILI Community,

These days are making us all embrace each other stronger. The challenges we all face are also testing the limits of our creativity to adapt to personal and work situations most of us probably never imagined before. To those of our MILI community on the front-lines, through their clinical work or other essential personnel duties, we send our deepest gratitude, and please know we are thinking of you and hoping you are well and safe.

On our end, we are staying focused on our mission and maintaining an engaging learning and convening environment. As you will see in this newsletter, we have many ongoing activities, lectures, and major COVID-19 hospitalization data collection/tracking initiatives. All our B-term MILI courses are now online, and we thank our faculty Dr. Archelle Georgiou (Anatomy & Physiology for Managers), Bryana Mayer and Dr. Steve Parente (Pharmaceutical Industry: Business & Policy), Demi Radeva (Healthcare Payers: US & Global), Dr. Mike Finch and Matt Stoll (MILI Valuation Lab and MILI Fellows) for quickly adjusting their course materials and teaching format and for their commitment to excellent learning experiences for our students.

Please stay in touch with us, and let us know if MILI can help you in any way. More than ever before, it takes a village!

Pinar Karaca-Mandic, PhD
Associate Professor, Finance
MILI Academic Director

Community Response to COVID-19

COVID-19 Related Hospitalization Tracking Project
MILI Executive in Residence Dr. Archelle Georgiou, MILI Academic Director Prof.
Pinar Karaca-Mandic, and Director of Research for MIS Research Center Prof. Soumya Sen are spearheading an effort to collect and track COVID-19 hospitalizations across states and some counties. The COVID-19 Hospitalization Tracking Project currently tracks and reports data on hospitalizations, including hospital bed and intensive care capacity, from 41 state health departments and continues to grow. The site allows users to visualize and compare hospitalization activity between states. Visit the project website to learn more and view the interactive dashboard. The project has attracted significant media attention and citations including ProPublica, The Star Tribune, KSTP News, and WCCO News.

**Update from the Bakken Medical Devices Center**

There is a lot of new and exciting work going on at Bakken Medical Devices Center in response to the crisis. To date, they have been addressing at least five critically important projects:

- Creating the ‘Coventor-A COVID-19 Ventilation System’.
- Working with the University of Minnesota’s Department of Surgery to adapt back-up ECMO units, by adding a motor to the crankshaft so they can be used in an emergency.
- Building an ‘isolation box’ to protect the Children’s Hospital clinicians while intubating patients.
- Working with Hennepin Healthcare to develop and produce an adapter for viral filters to be used with CPAP’s.
- Starting shortly they will work to develop a new plastic that reduces the time the virus is active on the surface for numerous applications.

Be sure to go to their website for more information and news.

**Carlson Alumnus Writes on the COVID-19 Risks for Homeless**

Carrot Health Chief Medical Officer and Carlson alumnus, Won Chung, is working on the front lines of the COVID-19 pandemic. Read his recent article on how social determinants of health increase the risks of COVID-19 on homeless populations.

**WOODCHUCK USA helping fight COVID-19**

University of Minnesota alumnus, Ben VandenWymelenberg, Carlson alumnus John Gueneveur, and their company WOODCHUCK USA are doing their part to help essential workers in the effort to combat the COVID-19 epidemic. WOODCHUCK USA produces custom, sustainably sourced, handcrafted wood products. Over the past few weeks, the company has switched 100% of their manufacturing to the production of plastic face shields for medical professionals who are on the front line of the fight against COVID-19.
Congrats to the new MILIsa President - Nate Gomoll

Nate Gomoll has been appointed the new president of MILIsa by this year’s MILIsa board. Prior to Carlson, Nate worked in Product & Portfolio Management for Robert W. Baird and Human-Centered Design Consulting for Gomoll Research & Design (GRD). At Carlson, Nate is actively involved with the broader MILI community and is a Consultant for the Carlson Brand Enterprise.

MILIsa is currently accepting applications to join its board. Please apply by 11:59pm on Tuesday, April 21.

Apply to join the MILIsa board

MILI Students Represent Carlson at the 2020 BAHM Case Competition

A team of three Carlson MBA students competed in the Annual BAHM Case Competition hosted by Boston University’s Questrom School of Business and Institute for Health System Innovation & Policy. The topic of the competition was to create a community or home-based care technology solution that would benefit vulnerable communities. The team came up with a product called TeleMama which is a telehealth platform designed to mitigate the access barriers that many individuals enrolled in Medicaid face in accessing prenatal care. The solution provides remote patient monitoring, virtual face-to-face prenatal care services, and additional non-clinical support throughout the prenatal journey.

UMN Interdisciplinary Health Data Competition

MILI and the University of Minnesota’s inaugural Interdisciplinary Health Data Competition is underway. The goal of this competition is to promote dialogue around real-world healthcare challenges and for students to provide innovative solutions using data science tools and methodologies. The competition began on March 18th with a kick-off webinar and the release of the All Payer Claims Database, a new public use database from the Minnesota Department of Health representing the most comprehensive view of healthcare in Minnesota.

63 students are competing, making up 16 teams from 10 schools/colleges across the Twin Cities campus including Carlson School of Management; College of Food, Agriculture, Natural Resource Sciences; College of Liberal Arts; College of Pharmacy; College of Science & Engineering; Humphrey School of Public Affairs; Institute of Health Informatics; Law School; Medical School; and School of Public Health.

A special thank you to our academic and industry partners and our judges!

**Academic & Industry Partners**
- Minnesota Department of Health
- MN All Payer Claims Database

**Industry Expert Judges**
- Arjun Kataria
- Jin Li

**Judges**
- Matthew Miller, PhD
- Luke Slindee, PharmD
Visit the Health Data Competition website to learn more and find out how to watch final presentations.

Business of Healthcare Undergraduate Minor is Approved!

The Board of Regents approved the Business of Healthcare Undergraduate minor. This minor will provide an opportunity for students to gain additional skills that prepare them with a deeper knowledge of the medical industry. Students will be exposed to courses on healthcare marketplace, institutions, regulations, reimbursement, medical technology, and healthcare analytics. The minor will be available to any Carlson undergraduate students beginning Fall 2020.

Visit the minor website to learn more and see course requirements.

New MILI Undergraduate Student Organization: MILIu

MILIu is an undergraduate student group dedicated to connecting students to opportunities and professionals within the healthcare industry. Any undergraduate students at Carlson School of Management who are interested in exploring topics and careers in the healthcare industry are encouraged to get involved! Visit MILIu's website to learn more.

MILI FACULTY RESEARCH & NEWS

MILI & MISRC Call on All States to Report Hospitalization Data

MILI Academic Director Prof. Karaca-Mandic, MILI Executive in Residence Dr. Archelle Georgiou, and MIS Research Center Director Prof. Sen were recently published in Health Affairs Blog urging all state health departments to consistently report cumulative and current COVID-19 related hospitalizations and ICU admittance data. Currently, each state is navigating and reporting independently yet seeking more data to guide decision-making.

Read “Calling All States to Report Standardized Information on COVID-19 Hospitalizations” here!

Carlson Prof. Sojourner Writes Article for USA Today

Associate Professor Aaron Sojourner in the Department of Work and Organizations published an Opinion article in the USA Today titled “We Will Have a Devastating Recession Economy Until There is Widespread Coronavirus Testing”.

Sandra Gonzalez
Spencer Merchant
Rami Shandaq
Shira Hauschen, JD
Sara Turnbow, PharmD
Mark Wehde
William Woywod
The Social & Business Value of Measuring & Investing in Social Determinants of Health Symposium - Webinar

Join MILI for an online symposium to explore the social and business value in measuring and investing in social determinants of health. This symposium will include presentations and a panel discussion with industry experts on unique best practices and plans to address SDoH. The panelists will discuss both the business and social value in measuring and addressing SDoH.

Panelists include:
- Dan Behrens (Program Manager, Accountable Health Communities, Allina Health)
- Ellie Zuehlke (Director, Community Benefit & Engagement, Allina Health)
- James Przybilla (CEO, PrimeWest Health)
- Kathy Stillo (President & COO of Clinical Redesign, UnitedHealth Group)
- Dr. Mark Steffen (Vice President & CMO, Blue Cross Blue Shield of Minnesota)

Moderated by: Pinar Karaca-Mandic

Visit the symposium website for more information and to register for this FREE webinar.

MILI Lecture Series featuring Ralph Hall, JD

On March 23rd, MILI hosted a guest lecture featuring Ralph Hall, JD on "The Constitutionality of the ACA - Current Status, Implications, and Next Steps". Thank you to Ralph for hosting an informative and engaging webinar on the constitutionality, history, and the current debate of the Affordable Care Act as we approach the 10th anniversary of the ACA.

View the recorded webinar here

Prof. Karaca-Mandic awarded BOLD Ideas Grant

MILI Academic Director Pinar Karaca-Mandic was awarded a BOLD ideas grant from Office of Academic Clinical Affairs with Prof. Soumya Sen (IDSC) a Carlson’s doctoral student Yi Zhu, and a School of Public Health doctoral student Alex Everhart. Their project titled "Using Natural Language Processing to Extract Predictors of Medical Device Adverse Events will develop a novel dataset describing the evidence behind medical device regulatory decisions and investigate the relationship between 510(k) medical device predicates and device recalls. The team has started working with nine Carlson undergraduate students as research assistants.

Prof. Kingshuk Sinha Refocuses Course on the COVID-19 crisis

Professor Kingshuk Sinha is currently teaching, "Supply Chain Management in the Healthcare and Medical Devices Sector." He has repurposed and focused the course on the design and sustenance of the COVID-19 Care Supply Chain. Students are closely following the COVID-19 situation throughout the duration of the
course. In every class session, students make a concerted effort to explore the topic of the session and its relevance to understanding and addressing COVID-19 related issues at the local, state, national and global levels.

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**MILI AFFILIATE NEWS**

**MILI students need our help!**

Due to the COVID-19 pandemic, students have started to see summer internships rescinded either due to financial constraints or an inability to complete them remotely. We think there is a way for the MILI Affiliates to come together and support these students to ensure they still have enriching experiences over the summer. We have been working closely with the Carlson Career Centers (both graduate and undergraduate) and MILI to try and help the students seeking new opportunities. There are two things you can do:

- Does your company have a product that will be launching in the next 6 months or need an extra hand on a smaller project?
- Reach out to your network and see if anyone you know has a potential project that could use some help.

If anyone is interested in hosting an internship or student project and has a need for a Carlson undergraduate or graduate business student please complete this quick [form](#) and the Carlson GBCC staff will follow up with you directly.

This could be your chance to give back and help a student create a non-traditional internship experience!

**Monthly Alumni Happy Hour is going virtual for May!**

Been in healthcare but potentially interested in learning about other functions / jobs / companies / industries? Or know any other alumni that are interested in getting into the healthcare field? Join MILI Affiliates at our virtual monthly happy hour for casual networking and discussion in May.

**When:** 6:00 pm – 8:00 pm every 3rd Wednesday of the month

**Where:** In your own home

Register for the happy hour!

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**UPCOMING EVENTS**

**April**

**Webinar: Elements of Great Remote Managing**

As leaders and managers hurry to implement remote working environments success relies on its least technological part: managing our people. In this webinar, Chad Ellsworth will discuss strategies for implementing Gallup’s 12 Elements of Great Managing in our new reality of remote work based on Gallup’s largest and longest running research study.

**When:** Apr 16th @ 12:00 pm

Register [here](#)

**MN Cup Applications Due!**
Time is running out to apply to MN Cup's 2020 season! We appreciate the engagement of our whole startup ecosystem in connecting Minnesota founders to our resources. The mentorship, education, and more than $500,000 in seed capital are ready and waiting for this season's applicants. Our application process is fully online, and will be available to Minnesota startups until April 17th.

**Due date:** April 17th

*Continue to check out the [website](http://www.mn-cup.org) for an updated list of virtual events and information on resources for Minnesota businesses amid COVID-19.*

Check the MILI [website](http://www.mn-cup.org) for additional details and events!

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**STAY CONNECTED**

Share Your News with MILI

Do you have good news you'd like to share with the MILI community? [Let us know](mailto:chrislouk8@gmail.com) and we will include it in our next monthly newsletter!

- [Facebook](http://www.facebook.com)
- [Twitter](http://www.twitter.com)
- [LinkedIn](http://www.linkedin.com)

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