HiiP
Healthcare Innovation
Impact Program
Comprehensive professional support, propelling healthcare innovations, advancing health for all

May 2020 Innovation Updates & Events Calendar

Foreword

This month, as we celebrate National Nurse's Week from May 6-12, we especially honor each of you for being the natural innovators and inquisitive problem-solvers that you are. Each and every day, whether it's teaching, conducting research, caring for patients at the bedside, providing leadership, or undertaking any number of the numerous jobs you do (sometimes all at once!), we know you're always trying to find a better (i.e., innovative!) way, and for that, we say we see you and we thank you. Keep fanning that spark of finding innovative ways to improve patient care/processes/outcomes.

We are dedicating this newsletter to the innovative you:

➢ Check out our blurb on "demystifying innovation" within UMSN—what you may think it is vs. how HiiP views it (we think you'll be pleasantly surprised);
➢ Got Covid-19-related nurse hacks or other Covid-related ideas you want to share with the nursing community—we want to hear about and share them through our Flatten the Learning Curve initiative;
➢ Learn how HiiP is working with a nurse innovator to help create PPE protection for frontline responders everywhere—both at UMHS and beyond; and
➢ See what creative ideas our UMSN Student Innovation Ambassadors came up with to start to foster a culture of innovation among our nursing students.
➢ Our UMSN HiiP website is now live! While some parts of it, most notably, the Resources pages, are still under development, it does provide an overview of Who We Are and What We Can Do to help all of our Nursing Innovators, faculty and students. Importantly, this website will not be a static resource, but instead, grow and expand as we continue to identify new ways and resources to better serve faculty and students in your innovation endeavors. Check us out!

Together, let's all do our part to reinvent healthcare and nursing education. No one but you all are more uniquely suited to create, deliver, and implement solutions to the problems patients, healthcare system, or nursing students face. Let us help you.
And if you're not sure what HiiP is or does and how we can support you as a Nurse Innovator, now's a great time to reach out for a chat. We'd love to talk to you about who we are, what we do, and how we can help you.

Olga and Ann

Demystifying Innovation

In our 2019 Innovation Survey with UMSN faculty last year, you told us that:

- You feel you are good at coming up with innovative solutions to problems (94% "Somewhat Good/Very Good" at this)…but yet nearly half of you (45%) aren't sure you have an innovative idea;

- More than half (56%) of you don't think your innovation knowledge is strong;

- Close to half (47%) of you are not confident in your skills to bring an innovative idea to market;

- But 2/3 of you are interested in participating in innovative-related training/educational opportunities.

There are a large number of nurses, in general, who may think innovation means creating some type of medical app/device/technology. This is not surprising and is a belief that seems to be supported from a resource standpoint across the UM innovation ecosystem.

We'd like to tell you that our view for innovation within/across the UMSN is very different. We think of innovation much more broadly and offer up the following definition for consideration:

Nursing innovation is defined as discovery AND implementation of new solutions or improvements to an existing problem or process which brings value to:

- *Healthcare delivery;*

- *Patient/Family experience or outcomes; and/or*

- *The nursing profession itself*

Coming out of work with our Innovation Task Force and our 1st Innovation Cohort last year, we further propose and believe that your innovations:

- ➢ Can be products, services, programs, and/or processes; Interventions are/can be innovations
- ➢ Do NOT have to be a medical device, app or some medical technology
- ➢ Can be an "act or service that can be made available to people that can improve or save lives"
- ➢ Could be as simple as a nursing "workaround" at the bedside
- ➢ May or may not be commercially-viable, and they do NOT not need to make a profit to have value
- ➢ Must be Impactful in some big or small way; for the "public good"
- ➢ Should "ideally" be sustainable and scalable
- ➢ Inclusive of all faculty/ researchers/students in the School of Nursing

So think broadly about what nursing innovation is, as HiiP does. And no idea is too big or too small to reach out to talk to us about. We're here to help you move your ideas forward.

Call-Out for Your COVID19-related Flattening the Learning Curve Ideas

Pushing through the unprecedented challenges posed by the COVID19 pandemic requires new approaches, ideas and solutions.

Faced with a steep learning curve, many folks are being extraordinarily creative. UMSN's Healthcare Innovation Impact Program (HiiP) has initiated a "**Flatten the Learning Curve**" community effort to gather and disseminate your successes, solutions, and ideas so that we can all learn from each other, together.

If you figure out a solution or a work-around, or even just have a tip - be it in teaching, research, practice, or leadership/service - let us know and we will share within our nursing community.

If you have a 'big' idea (improving patient care, access to PPE and other supplies, helping the community, protecting the vulnerable, etc.) but you don't know where to go with it, just let us know. We can help you think about your idea in the context of COVID-related innovation already happening on campus. We can also bring your idea to the innovation group working to facilitate COVID-related innovation between MM and UM.

Together, we can flatten the learning curve.

HiiP Innovator's Work During Covid-19: Operation Face Shield

In this newsletter, we love to showcase the innovative work all of our nursing faculty and students are doing. In this issue, we profile a Nurse Innovator who is a UMSN alumn and who turned to us for help with producing and deliverign protective face shields to frontline responders during the current PPE shortage.

At the start of the COVID-19 pandemic, Becky Cherney (BSN '12) saw the need for PPE for not just healthcare workers, but also for all those serving us in the public—grocery store workers, gas station clerks, food delivery workers, and more. Together with a fellow UMSN alumn, Kevin Leeser (BSN '13), they have created a nationwide network of 1,000+ community members working on 3-D printers from home to make face shields for all those who need them.

To-date, their project, Operation Face Shield, has helped deliver more than 10,000 face shields to frontline healthcare workers, first responders and other essential people working in the public within/across Michigan as well as to parts all over the U.S. Becky has truly shown an entrepreneurial spirit and jumped "all in", figuring out how to run this Operation, which she calls their "backyard

business", without any formal business, marketing, fundraising, logistics, or other training, yet she's doing it.

Read more on Becky's Operation Face Shield and how HiiP was able to help**, here**.

Last Fall, ten brave students answered HiiP's outreach to be part of an inaugural UMSN Student Ambassador cohort under the faculty guidance of Michelle Munro-Kramer. The overarching objective of assembling these Ambassadors was to help us understand what our nursing students would like innovation to look like at the School of Nursing.

Specifically, the Student Ambassadors were asked to:

- Provide a nursing student perspective on innovation-related issues;
- Administer a Student Innovation Survey and analyze the data;
- Explore and evaluate student-oriented innovation programs/trainings/contests on and off-campus;
- Weigh in on the role of innovation in the nursing curriculum for students; and
- Then present their student-centric innovation recommendations to the Dean in the Spring.

The Ambassadors were able to complete the majority of their assigned tasks, with the exception of conducting a cross-campus Scavenger Hunt of innovation-related resources, which was interrupted by the Covid-19 campus shutdown.

Key learnings from the Student Innovation Survey, which was completed by 319 students in the Winter, 2020 Semester, with representation of all classes from Freshmen to Doctoral students (excluding Juniors), indicated that:

- Our nursing students don't feel they know much about innovation and are not confident they can scale up/disseminate creative ideas for others to use.
- Few think they currently can come up with creative solutions to situations nurses may encounter.
- However, the overwhelming majority (83%) feel there is a need for incorporating innovation-related content into the student experience at the SON, primarily through either an innovation elective and/or innovation-related content through the current curriculum.
- Because of their class schedules and where the UMSN is located relative to other resources on campus, many would like the innovation-related student experiences to be held at the SON.
- About half of student are open to being part of an innovation team with other students and faculty.

Using these research findings and their own independent reading and research, five of the Student Ambassadors--Indigo Barnett, Eric Beedle, Erika Folbe, Kathryn Parkhurst, and Emily Jones-- recommended the following to the Dean on April 16:

1. **Increasing Awareness of the UMSN and Nursing Innovation**
    a. Creating a Healthcare Innovation Impact Pathways (HiiP) Newsletter for UMSN students
    b. Conduct a campus-wide health and innovation fair
    c. Consider hosting a UMSN hackathon/design sprint for all Nursing Students/Schools in Southeast Michigan
    d. Incorporate student innovation into the Dean's Research Day
2. **Innovation Education within UMSN**
    a. Weave innovation throughout the existing curriculum
    b. Develop an elective course related to innovative products and programs
3. **Expansion of Honors Program**
    a. Student focused/lead QI projects to obtain student innovative ideas
    b. Opportunities to collaborate as a cohort and form research teams (to work on innovations and other projects)
    c. Expanding schools, programs, and areas UMSN students do research with
        i. School of Environment and Sustainability (environmental issues/pollution)
        ii. School of Engineering
        iii. Stephen M. Ross School of Business
    d. Shadow in area doing research
    e. Create a database of nurses to serve as resources in various fields
4. **Mentorship Opportunities**
    a. Develop a team focus and community spirit within UMSN
    b. Create faculty office hours for students
        i. HiiP biweekly/monthly open office hours
    c. E-mail dedicated to nursing student idea expression

COVID19-Related Innovation Opportunities

(1) CHXD Innovation at Home Design Challenge
This is a design challenge to envision creative solutions for the behaviors impacting everyone's health, with the focus of the challenge imagining how the world could be a healthier place through better hygiene behavior like personal hygiene, hand washing, not touching our faces, etc.
The challenge will also take ideas from kids.

Submissions due by May 8, 2020 11:59 pm ET

Click here.

(2) Nurse Hack for Health: COVID-19 Virtual Hackathon
Microsoft, J&J, Sonsiel, and DevUP are sponsoring a Nurse Hack for Health on May 15-17. It's free and open to nurses, programmers, designers, healthcare providers, etc.

Analysis, prototype design, institutional compliance, and beyond.

Registration is now open. Click here.

Recognizing Innovators

Top 25 Modern Healthcare Innovators Nominations
Modern Healthcare is looking for people who are initiating and leading transformation, leading to gains in quality, affordability, accessibility, and/or sustainability.

Eligibility includes:
- Open to director or above in a provider organization (hospital, health system, clinic or physician group) or insurer
- Researchers and public policy officials are eligible, but nominations must reflect real-world impact of their work
- This year's program will be open to healthcare supplier/vendor nominations

Categories for nomination include: Population health, Consumerism, Quality and Safety and Cost Reduction.
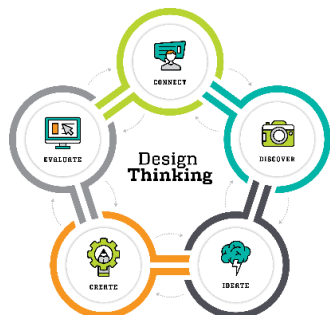
Nominations close June 1, 2020

Nominate today here

Innovation Education

Take some time this summer to educate yourself on how to come up with and implement innovative solutions so you can start to build these learnings and insights into your work with your students, or on an idea of your own. Check out these two Design Thinking offerings for nurses.

(1) Design Thinking for Health
Nurses being on the frontline of healthcare affords them incredible opportunities to use innovation to improve health, create new approaches to care, and communicate health information to the community at-large. Penn Nursing and the Rita and Alex Hillman Foundation have partnered to create a **free online platform** that brings together the tools, resources, and inspiration nurses need to generate innovative solutions that impact health and healthcare in a rigorous and systematic way. The new open source curriculum may be used or adapted by any nurse or nursing program to support nursing-driven innovation.

To learn more, visit the website.

(2) ANA Course in Creating an Innovation Culture and Design Thinking
> Two popular nursing innovations now bundled in on packet: Creativity in Nursing and Design Thinking & Why it Matters to Nurses
> Both online courses now $125.00 -- $112.50 for ANA Members
> With these two courses, you'll learn how to highlight creativity in nursing, gaining valuable insights that will build creative capacity. The bundle covers design thinking, with new mindsets, skills and behaviors that create champion problem-solvers.
> It's critical baseline knowledge that offers advancement and success for you and your nurses and enhanced focus on innovation for your team.
>
> **Order here.**

Connecting and Communicating in a Covid World

Sonsiel Virtual Nurse Meet-ups During COVID-19. Every Thursday through May 7, 2020 from 6:00-7:00 pm
Join other Sonsiel members and non-members to come together to check in on each other during this pandemic. Everyone is invited to participate.

Register here

We Take Questions

In this issue, we are beginning to address questions we've received from you and/or that have arisen in conversations we've had with nurse innovators we've been working with.

If YOU have an innovation-related question, which can be on general innovation, nursing innovation, funding for innovation, or other topics related to innovation, that you'd like us to write about in a future issue, **send it to us and look for a response in an upcoming e-Newsletter at:**
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amfitz@medumich.edu

For more information about HiiP or nursing innovation, or to share an innovation announcement or news, contact the UMSN HiiP Team:
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