

Mastering Meds

Exploring Approaches to Pharmacy in Hospital at

Home

Linda DeCherrie, MD | Mount Sinai Hospitalization at Home David Levine, MD, MPH, MA | Brigham and Women's Hospital Donald Mashni, PharmD | Mount Sinai Health System





Webinar March 30, 2021



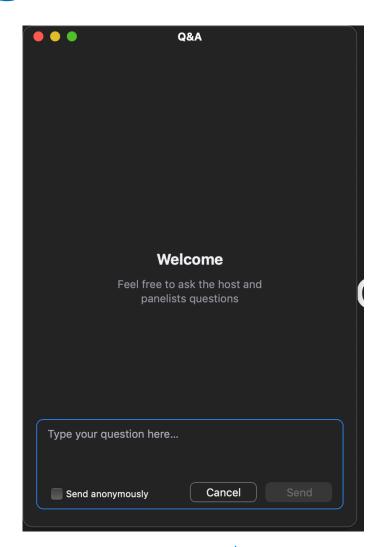
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ZOOM Webinar Housekeeping

- Please submit your questions via the Q&A option.
- Due to the large audience for today's webinar, everyone has been placed on mute.
- If you have any technical issues, please contact Gabrielle Schiller (gabrielle.schiller@mssm.edu) or send her a message via the Zoom chat feature.





Bruce Leff, MD
Professor of Medicine
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Hospital at Home USERS GROUP

Web: hahusersgroup.org

Tw: @hahusersgroup

TA Center (beta): www.capc.org/

strategies/acute-hospital-home

The HaH Users Group Webinar Series

- The Hospital At Home Model and the CMS Acute Hospital Care At Home Waiver
- Building Support for Your Hospital at Home Program: Issues in Strategic Engagement
- Who's In, Who's Out? Deciding Which Patients Are Right for Your Hospital at Home Program
- Tech Matters: Building the Right Digital Platform for Your Hospital at Home Program
- Efficient, Effective, Excellent: Issues in Hospital at Home Logistics and Operations
- On Time, Every Time: Delivering Hospital at Home Ancillary Services
- How Are We Doing? Evaluating Hospital at Home Quality and Safety

See Events at HaHUsersGroup.org or the Users Group TA Center for more information...

More Soon

- Monthly webinars
- Next topic = Patient Identification
- Please chat to us or put in the Q and A, topics you would like to see covered



Today's Webinar

Mastering Meds

Exploring Approaches to Pharmacy in Hospital at Home



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Professor of Medicine, Icahn School of Medicine at Mount Sinai



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Disclosures

David Levine: PI-initiated grants from Biofourmis and IBM **Linda DeCherrie**: is a full-time employee of the Icahn School of Medicine, which in turn has an ownership interest in a joint venture with Contessa Health, a venture that manages acute care services provided to patients in their homes through prospective bundled payment arrangements. Dr. DeCherrie has no personal financial interest in the joint venture.

Agenda

- Pharmacy at Sinai
- Pharmacy at Brigham
- Pharmacy considerations



History of Pharmacy at Mount Sinai Hospitalization at Home

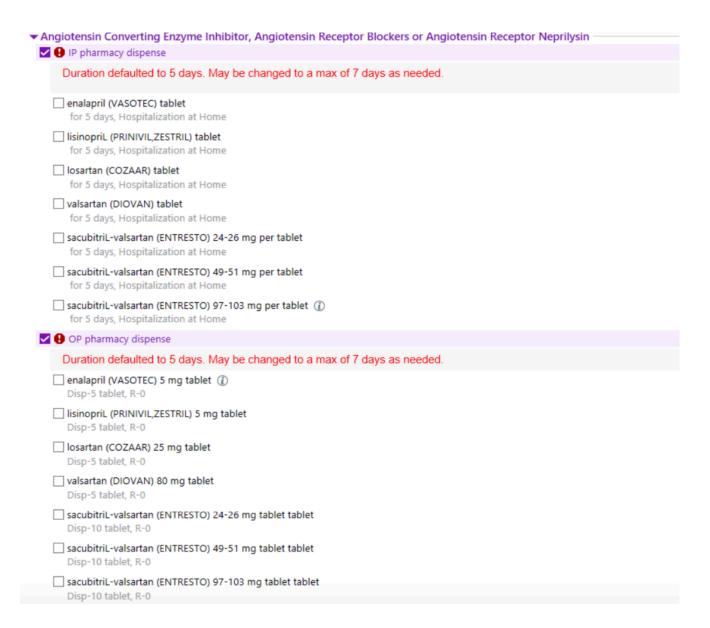
Years	Category	Meds	Concerns
2014-2017- CMMI Grant	Faculty outpatient practice	 Purchased Meds from Mount Sinai Outpatient pharmacy to stock in practice Meds at home could be used Some meds prescribed to outpatient pharmacy and paid through patients' pharmacy benefit 	Not labeled per patient

Years	Category	Meds	Concerns
2017-2020	Payor contracts required Part D oral/injectables to be processed usual way	 IV meds from Infusion pharmacy Allowed pumps/balls Meds at home could be used Oral/Injectables from retail pharmacy 	 Patients could not always arrange pickup from local pharmacy or pay co-pays Infusion pharmacy not as rapid as needed

Years	Category	Meds	Concerns
3/2020-present - Completing Hospitalization at Home (cHAH)	No utilization of pharmacy benefit	 IV meds from Infusion pharmacy Allowed pumps/balls Meds at home could be used Oral/Injectables from outpatient hospital pharmacy 	Infusion pharmacy not as rapid as needed

Years	Category	Meds	Concerns
11/2020-present – FFS Medicare Waiver	Inpatient unit No utilization of pharmacy benefit	 IV meds from IP pharmacy pumps/balls from infusion pharmacy Meds at home could be used Oral/Injectables from IP pharmacy 	 Dispensing 5 days at a time Controlled medications

IP Order Set Allowing IP Pharmacy or OP Pharmacy Choices



Administration of Medications at Mount Sinai Hospitalization at Home

Medication Administration

- IV meds/fluids administered by RN in the home or on a pump
 - Patient not expected to start/stop/disconnect
 - o Taught alarms on pumps and what to call for
- SQ lovenox RN administers
- Oral meds pre-poured into pill box
- All meds documented by RN in an MAR

Technical Issues

Pre-Admit Status

- ED patients about to go to HAH have orders placed in a pre-admit status, which are not able to be released until patient physically leaves ED.
- Pharmacy can now be notified of pre-admit orders and run a report and start to prepare meds.
- Dispense meds once orders are released.



Phase 1

Years	Category	Meds	Concerns
2016-2020	Research project W BWPO project W BWH service line No use of pharmacy benefit	All meds: inpatient -> outpatient pharmacy	 Outpatient pharmacy closed at 5 pm and on Sundays No use of inpatient EHR tools No default pharmacist check Outpatient pharmacists lack inpatient expertise

Phase 2

Years	Category	Meds	Concerns
2020 – present	BWH service line No use of pharmacy benefit	All meds: inpatient pharmacy	None?

Physician Pharmacy



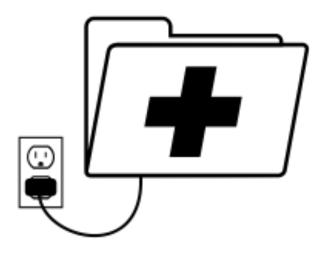
Physicians carry first- and urgent-dose medications

Patient-Administered Medications



Let patients take meds, but check and document carefully

Inpatient Pharmacy



Inpatient EHR build – we can't go back!



Develop Policies and Procedures to Guide Growth of HaH Pharmacy Services

- Patient education
- Control substances
- Self-administered and infused medications
- Storage of medications at home
- Labeling requirements
- Documentation of medication administration
- Disposal of unused medications

Optimize EHR

- Develop HaH specific order sets
 - Avoid off processes to optimize pharmacy operating efficiencies and minimize provider disruptions to EHR workflow with adherence to formulary
- Develop workflows and documentation to accommodate decentralized pharmacy services
- Capture pharmacy charges upon med administration or dispensation

Medication Administration Records

- Patients self-report oral self-administered meds
 - RN documents upon visit
- RN administers and documents infused/injected meds
- Mobile Health Technologies
 - Dose alerts, drug education, administration documentation, symptoms and side effects reporting

Storage of Medications

Consider OTC meds and Rx meds already in home

- Refrigerated Meds
 - Ideal: temperature monitored refrigerator dedicated to meds
 - Practical: segregate meds in home fridge (protect in plastic food storage bags)

- Room Temp Meds
 - Cool, dry space (not in bathroom), room temp (68-77 F) with excursions permissible (59-86 F)

Legal and Regulatory

- Labeling requirements differ for inpatient and outpatient Rx's
- State boards of pharmacy requirements may evolve differently for HaH patients
- Consider "outpatient" labels for self-administered meds
- Inpatient labeling requirements for infused meds are probably adequate
- Err on the side of caution for controlled substances and adhere to outpatient labeling requirements

Payer Considerations

- Pharmacy Benefit Administrators (Outpatient Rx Benefit) prohibit billing for outpatient meds while patients are hospitalized.
- Billing Rx benefit for HaH patients may be a gray area for MA patients with a Part D plan.
- May be appropriate to avoid use of outpatient pharmacy benefit for patients receiving HaH services.

IVP Opportunities for HaH Antibiotics

- Administer by slow IV push over 3 to 5 minutes
- Cefazolin
 - Administer 1 gram by slow IV push over 3 to 5 minutes
- Ceftriaxone
 - Administer by slow IV push over 3 to 5 minutes
- Cefoxitin
 - Administer by slow IV push over 3 to 5 minutes
- Cefepime
 - Administer slow IV push over 3 to 5 minutes
- Cefuroxime
 - Administer by slow IV push over 3 to 5 minutes
- Daptomycin
 - Administer by IV push over 2 minutes
- Meropenem
 - o Administer by slow IV push over 3 to 5 minutes



Learn More

- Hospital at Home Users Group https://hahusersgroup.org/
- Hospital at Home Users Group Technical Assistance Center (Beta version, powered by CAPC) https://www.capc.org/strategies/acute-hospital-home/
 - Featured Resource Annotated CMS Waiver https://www.capc.org/ strategies/hospital-at-home-meeting-2020-cms-waiver-requirements/

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Transforming Health Care. In today's environment, Hospital at Home is not just an opportunity to improve the delivery of health care, it is our responsibility. Providing high-quality, cost-effective and safe care for patients, hospital at home is the way of the future.

THANK YOU







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 - Fill out the form at HaHUsersGroup.org
- Chat us topics for our next webinar series
- More help at the Users Group TA Center https://www.capc.org/strategies/acute-hospital-home/

