

Disclosures
• Pfizer (consulting)

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### **Problem Statement**

 From January 2022-May 2023, there were 18 Keepsafe events related to medication wastage resulting in nearly \$110,000 losses in an oncology infusion area at NYP WCM. Many of these were newly approved and costly medications.

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### How this problem was identified

- Any medication wastage events are reported from pharmacy as Keepsafe events
- Keepsafe events are routinely reviewed and discussed during monthly Oncology Outpatient Quality & Patient Safety Meetings



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- Mohammad Islam, PharmD, PhD, MBA-HCA, BCOP; Pharmacy Manager, Oncology
- Hui Min Li, PharmD; Lead Pharmacist
- Catherine McHugh, MSN, RN, CEN; NYP Quality & Patient Safety Specialist
- Justine Enriquez, BSN, RN, OCN; Clinical Nurse Manager, Starr 3 Infusion Center
- Celsus Auguiste, MSN, RN; Patient Care Director, Oncology Treatment Center
- Michelle Patrice; Operations Manager, Oncology Treatment Center
- Claudia Gonzalez; Supervisor at Starr3 Hematology/Oncology & Infusion Center
- Elena Lungu; Practice Manager; Starr Outpatient
- Camalita Rahat, MSN, APRN; Patient Care Director, Breast Practice and Infusion Center -DHK 4
- Sebastian Mayer, MD: Starr Outpatient Director
- Christine A. Garcia, MD; MPH Hem/Onc QI Chair















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### List of "Go List" medications

- Blinatumomab
- Cetuximab Crizanlizumab
- Daunorubicin-cytarabine (liposomal) Eculizumab
- Enfortumab Vedotin EJFV
- Eptinezumab-JJMR
- Fam-Trastuzumab Deruxtecan NXKI
- Gammagard S/D
- Gemtuzumab Ozogamicin Inotuzumab Ozogamicin
- Ipilimumab

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- Luspatercept AAMT
- Loncastuximab Tesirine LPYL
- Panitumumab Polatuzumab Vedotin – PIIQ

Nivolumab

Ocrelizumab

Mogamulizumab- KPKC

Mosunetuzumab- AXGB

- Ravulizumab Sacituzumab Govitecan- HZIY
- Siltuximab
- Sutimlimab-JOME
- Teprotumumab TRBW
- Tremelimumab-ACTL

#### New process

- Pharmacy will reach out to the assigned nurses via Epic secured chat to get a "GO" if we can start to compound the item for the respected patient. RN should give a "GO" only if followings are met:
- 1. Patient has been seen by MD and cleared for treatment
- 2. Patient physically present
- 3. Patient vitals are stable
- 4. Patient has all required line access
- If any of the above is missing, <u>pharmacy will hold off mixing the item ("Hard stop")</u> and will be made after the issues are resolved
   All RNs kept a copy of the list at their work stations



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### Lessons Learned

- Efforts were led by a multidisciplinary team including pharmacy, nursing, medical oncologists, and lab team members – Needed buyin from all involved
- Understanding the process (flow chart) from end-to-end was important to see how where we could improve
- While education and training are important, forcing functions (Go-List hardstop) and simplifying practice clearance processes were more effective in achieving (nearly) zero waste

## **Planned Next Steps**

- Continue Go List process
- Evaluate balancing measures (unintended infusion treatment delays awaiting all clearance parameters)
- Expansion to other infusion areas and across the institution where other costly medications are given

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# Key Takeaways

 Using QI tools including Root Cause Analysis, Flow Charting, and implementation of a simplified practice clearance process with hard stops has resulted in a significant reduction of medication waste (almost near zero waste)

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