

## BACKGROUND

- Quaternary care academic medical center hospital at home (HaH) program (adult patients only)
- Patients requiring hazardous IV medications ineligible for HaH
- Immunocompromised transplant patients with CMV viremia requiring ganciclovir not a candidate for HaH. Established patients with new needs require transfer back to brick-and-mortar care

## OBJECTIVE

- Expand access to HaH for complex patients requiring ganciclovir
- Increase the number of brick-and-mortar hospital bed days saved
- Maintain household safety for patients and service providers in accordance with institutional policies

## METHODS

- The target population included any patient requiring ganciclovir who otherwise met criteria for HaH.
- Measure of Success: > 0 number of bed days saved for patients requiring ganciclovir

## INTERVENTION

An interdisciplinary team of pharmacists, prescribers, nurses, and clinical informaticists met virtually to develop a multifaceted plan. The decision was made to dispense ganciclovir in an elastomeric device to provide a closed system, minimizing in-home exposure.

Key components included automation, avoidance of workflow deviation where possible, and multi-modal education.

### Order Entry and Fulfillment

- EHR preference list item for providers to order elastomeric device
- Medication order triggers check list for supplies (waste bin, spill kit, etc.)
- Process for device procurement and inventory management

### Preparation and Dispensing

- Select elastomeric device with stability data to support standard inpatient concentration of 10 mg/mL
- Designate area to store pending pick up, double bag and label
- Pharmacist and technician training, visual references

### Transport

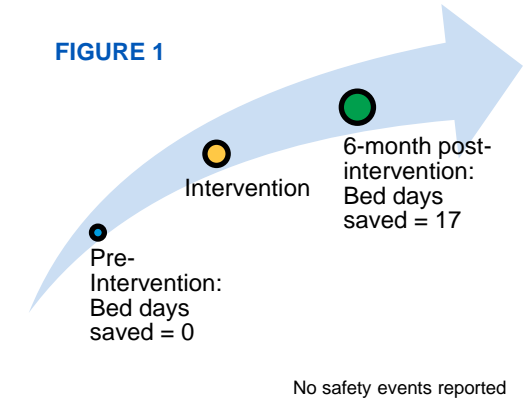
- Internal courier service with hazardous transport competency
- Impervious container
- Medication, administration supplies, waste bin & spill kit

### Administration and Waste

- Automated electronic check lists tied to medication order
- Appropriate PPE, confirmation of proper disposal, process for waste management
- Spill kit workflow
- Patient Counseling

## RESULTS

FIGURE 1



## CONCLUSIONS

- Complex patients requiring hazardous medications may have limited access to HaH programs. Expanding use cases is important for program sustainability.
- Offering hazardous medications to home hospital patients requires careful and comprehensive planning to protect patients, household members, and service providers.
- Elastomeric devices may offer a benefit over electronic pumps for hazardous IV medication administration in the home.

## DISCLOSURES

The authors report no relevant conflicts of interest.