**METHODS**

Meticulous attention to safety protocols is essential to mitigate adverse events in patients receiving oncology infusion therapies. The objective was to examine and compare safety outcomes associated with oncology infusions administered at home infusion services and hospital-based outpatient infusion centers. This was a retrospective cohort study of patients receiving oncology infusion therapy at Fairview Home Infusion and Infusion Pharmacy, a hospital-based outpatient infusion centers occurring between January 1, 2020 – December 31, 2020. Patients ≥ 18 years of age

**RESULTS**

This was a retrospective cohort study of patients receiving oncology infusion therapy at Home Infusion and Infusion Pharmacy, a hospital-based outpatient infusion centers occurring between January 1, 2020 – December 31, 2020. Patients ≥ 18 years of age

**DISCUSSION**

No significant difference in the incidence of hospital admissions and respiratory infections across sites of care (Table 1).

Both home infusion and infusion centers may provide comparable safety outcomes in immediate post-infusion complications and short-term infection rates.

Low rates of CRIs and IRRs within patients receiving care through home infusion (Table 2). Favorable safety profile for home infusion with a low incidence of serious adverse events.

Future analysis will explore differences in rates and severity of CRIs and IRRs across sites of care to provide further insights regarding the comparative safety of home infusion vs. infusion centers.

**CONCLUSION**

These findings contribute to the ongoing discussion surrounding oncology care delivery. Home infusion has the potential to enhance patient-centered care and maintain high safety standards.

By understanding the safety outcomes with home infusion around oncology therapies, healthcare providers may make informed and personalized decisions regarding site of care and resource allocation.

**REFERENCES**


**BACKGROUND**

- Meticulous attention to safety protocols is essential to mitigate adverse events in patients receiving oncology infusion therapies.
- Hospital outpatient departments have been the traditional setting for specialty medications, including oncology therapies.
- There has been an increase in the utilization of home healthcare delivery for specialty medications, including oncology infusions.

- This shift raises questions about the safety of administering oncology infusions in the home compared to traditional hospital outpatient departments.

**OBJECTIVE**

To examine and compare safety outcomes associated with oncology infusions administered at home infusion services and hospital-based outpatient infusion centers.

**DISCLOSURES & CONTACT**

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The authors have no conflicts of interest to declare.

**RESULTS**

Table 1. Comparison of Patient Sociodemographic & Safety Outcomes By Site of Care

<table>
<thead>
<tr>
<th>Site of Care</th>
<th>Total Patients</th>
<th>Age Category</th>
<th>Reaction Rate</th>
<th>CRIs (A)</th>
<th>IRRs (B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home Infusion</td>
<td>1,311</td>
<td>18-49 years</td>
<td>0.0001</td>
<td>0.0001</td>
<td>0.0001</td>
</tr>
<tr>
<td>Hospital Infusion</td>
<td>1,242</td>
<td>18-49 years</td>
<td>0.0001</td>
<td>0.0001</td>
<td>0.0001</td>
</tr>
</tbody>
</table>

**DISCUSSION**

- No significant difference in the incidence of hospital admissions and respiratory infections across sites of care (Table 1).
- Both home infusion and infusion centers may provide comparable safety outcomes in immediate post-infusion complications and short-term infection rates.
- Low rates of CRIs and IRRs within patients receiving care through home infusion (Table 2).
- Favorable safety profile for home infusion with a low incidence of serious adverse events.
- Future analysis will explore differences in rates and severity of CRIs and IRRs across sites of care to provide further insights regarding the comparative safety of home infusion vs. infusion centers.

**CONCLUSION**

- These findings contribute to the ongoing discussion surrounding oncology care delivery.
- Home infusion has the potential to enhance patient-centered care and maintain high safety standards.
- By understanding the safety outcomes with home infusion around oncology therapies, healthcare providers may make informed and personalized decisions regarding site of care and resource allocation.