

Evolving Landscape of Oncology Care at Home in the Era of the COVID-19 Pandemic, a Market Intelligence Report

Background

- The incidence of cancer diagnosis is increasing, with approximately 1.8 million Americans diagnosed in 2020.¹ The standard of care for almost everyone requiring chemotherapy has traditionally been to be treated in a physician's office or in outpatient clinics.
- There has been a significant shift in the site of care from the physician's office to favor the hospital outpatient settings.² The cost of care differs as the site of care changes, with at-home-care being more cost-effective than the physician's office and outpatient hospital infusion facilities.³
- There are now providers bringing care out of the traditional setting and to the patient. One such example in the University of Pennsylvania's collaborative program that leverages the services of a multidisciplinary care team to offer patients services like access to a wide array of chemotherapeutics. The program took advantage of an existing, but underutilized, framework to launch their at-home cancer care program in late 2019 and saw a 700% increase in participating patients in March-April of 2020. The program demonstrates the equally safe administration of many infused and injectable cancer medications at home compared to the hospital.⁴
- Beyond the scope of infusions and injectable cancer drugs, many at-home supportive care modalities exist for patients with cancer. Some of the services include nursing care, physical therapy, occupational nutritional support, and volunteers from home care agencies that give emotional support.⁵ As the COVID-19 crisis evolved into a pandemic, safety concerns for immunocompromised patients propelled shifts in the site of care into the patient's home.

Objective

 To summarize the changes in oncology clinical practice and managed care policies and programs as seen during the era of the COVID-19 pandemic, with specific regard to the shift in care into the patient's home.

Methods

- Conducted a review of the published and grey literature describing and discussing the changes to oncology clinical practice and managed care policies and programs, with regards to the shift in cancer care into the patient's home during the COVID-19 pandemic.
- Evaluated the site of care policies (SOC) of payers to identify common trends in their expansion of coverage for various chemotherapy infusion regimens to be administered in the home setting.
- Analysis: Descriptive

Results

Figure 1. Nursing shortage^{6,7}





Jenoy Merchant, PharmD Candidate^{1,2} jmerchant@umaryland.edu



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1. University of Maryland School of Pharmacy, Baltimore; 2. AMCP Foundation Intern

Table 1. Examples of medications included in 8 payer's SOC policies

Medications

- **Monoclonal Antibodies**
- Erbitux (cetuximab)
- Vectibix (panitumumab)
- Herceptin (trastuzumab) and biosimilars
- Herceptin Hylecta (trastuzumab/hyaluronidase-oysk)
- Avastin (bevacizumab) and biosimilars
- Rituxan (rituximab) and biosimilars
- Rituxan Hycela (rituximab/hyaluronidase)
- | Perjeta (pertuzumab)
- Phesgo (pertuzumab/trastuzumab/hyaluronidase-zzxf)
- **Proteasome Inhibitor**
- Velcade (bortezomib)
- Immunotherapy
- Opdivo (nivolumab)
- Yervoy (ipilimumab)
- Tecentriq (atezolizumab)
- Keytruda (pembrolizumab)
- Libtayo (cempilimab)
- Imfinzi (durvalumab)
- Bavencio (avelumab)

treatments

Safety of Home Administration of Oncology Care
 Integration of all health care providers and team members in the delivery of care
 Closed-loop communication amongst team members
 Compliance with compounding standards and regulations, including hazardous drugs if needed
 Advanced training or certifications for specialized care if needed
 Policies and procedures to reduce risk of error and family exposure to

Discussion

- The COVID-19 pandemic created ideal conditions to propel a major shift in the site of health care into the patient's home. This represents a significant advancement in delivering care for all patients, particularly for patients with cancer.
- The American Nurses Association (ANA) has stated that the US is undergoing a nursing shortage. This presents an ongoing challenge to treatment in the home as the ratio of patient to home health agency nurse is commonly 1:1 when administering treatments and care within the patient's home, compared to larger patient to nurse ratios in other treatment settings.
- The injected drug Phesgo, administered by a healthcare professional, and the oral formulations Inqovi and Orgovyx, have been approved for use in the home by the US Food and Drug Administration. These approvals supported and aligned with the current shift in the site of care into the patient's home.
- Patient feedback has been overwhelmingly positive for bringing the site of care into their home.
- The convenience, reduced risk of exposure to COVID-19, decreased cost, decreased capabilities to administer in a hospital or infusion center, and patient preference are the most common rationales cited for care in the home.
- Several payers expanded their SOC policies to include injections and infusion medications for treatment of cancer to be administered in the home.
- Telemedicine for provider visits and remote patient monitoring for symptom management were additional aspects of patients' oncology care that shifted to the home and have the potential to persist as opportunities to deliver cancer care. Additionally, there are several guiding principles for providing oncology care in the home safely.

Disclosures

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