Medication treatment for opioid use disorder with methadone and buprenorphine is a key HIV prevention strategy [1–5]. Enrollment in medication treatment for opioid use disorder is associated with reductions in injection drug use [6–8], syringe/equipment sharing [6–9], and risky sexual behavior [6, 9]. Among people living with HIV, engagement in medication treatment for opioid use disorder is associated with HIV-risk behavior reductions [10, 11], and higher rates of initiating and adhering to antiretroviral treatment (ART) [12–15]. As such, this modality is associated with lower prevalence and incidence rates of HIV itself [16–19]. Many parts of the country, including Seattle, have witnessed outbreaks of HIV among persons who inject drugs related to the opioid crisis [20–23]. Given that medication treatment for opioid use disorder plays a critical role in protecting opioid users from HIV, ensuring continuous medication treatment for opioid use disorder treatment is imperative to help safeguard these individuals from acquiring HIV. Furthermore, this modality of treatment helps those living with HIV to continue to experience its benefits on ART adherence, and promotes HIV control within the surrounding community.

The COVID-19 pandemic represents challenges for continuing opioid treatment services while observing social distancing directives. Here we describe the experience of one Opioid Treatment Program in rapidly creating and implementing policies that balance the safety of patients and staff with uninterrupted access to methadone. We use meeting minutes, personal communications, and written policies to describe: (1) measures adopted at the Opioid Treatment Program to mitigate the spread of COVID-19 while preserving core services to patients; (2) implementation of clinical decision-making strategies aimed at maintaining patient and community safety; and (3) changes in clinic patient flow.

Opioid Treatment Programs

Opioid Treatment Programs are federally certified and accredited settings in which medications targeting opioid use disorder are provided. They serve individuals with severe opioid use disorder, providing a vital landing place for injection drug users, as well as a conduit for HIV testing and treatment [24]. Treatment provided in Opioid Treatment Programs is different than that of office-based medication treatment as: (1) Opioid Treatment Programs are the only settings in which methadone can be dispensed to treat opioid use disorder; and (2) they have highly regulated dispensaries in which patients come for frequent (i.e., daily for many patients), observed dosing. Longstanding regulations surrounding unsupervised (“take-home”) medications are determined on a federal-level [25], and may be subject to further restrictions at the treatment program. The assumption is that daily or frequent supervised dosing enhances safety by reducing risk of medication poisonings and diversion. However, these same policies necessitate large numbers of patients congregating in small spaces for extended periods of time before dispersing to their communities, presenting challenges to infection control.
Opioid Treatment Program Response to COVID-19

The country’s first SARS-CoV-2 case was confirmed in Washington State, as was the first COVID-19 death. In response, Evergreen Treatment Services—the largest Opioid Treatment Program in Washington State—underwent swift mobilization to develop plans for the impending pandemic. The organization grappled with the dilemma of serving 2630 patients while attempting to minimize physical contact in cramped quarters. Evergreen Treatment Services not only provides medication treatment for opioid use disorder, but also offers an array of critical psychosocial and medical services including HIV screening and referral to treatment. This setting is comprised of three sites, the largest of which (n = 1380 patients) is located in Seattle, King County, a geographic region in which numerous COVID-19 cases were first identified. This urban site serves among the most vulnerable individuals in the community, with 13 patients known to be living with HIV and up to 63% reporting homelessness. For many patients, the Opioid Treatment Program is “home base” serving as a consistent setting in which to interface with a medical and counseling professionals, as well as a trusted source for referral to outside services like HIV treatment. Maintaining its core services, this clinic helps people reduce drug use and other HIV risk behaviors, solidifying its role in community HIV prevention.

In February, 2020 Washington State’s Governor declared the state’s COVID-19 outbreak a public health emergency. Evergreen Treatment Services assembled a trans-disciplinary Infection Control Committee, and initial planning involved preparation around site readiness including personal protective equipment, medication stocks, sanitation, signage/communication, and managing congestion. Policies were clarified and codified around: patient COVID-19 screening, separating symptomatic patients, limiting human contact, messaging around universal precautions/hygienic practices, and defining “essential” staff and services.

At an Opioid Treatment Program, social distancing is made difficult by the reality that most patients engage in almost daily medication dosing. Phase II planning aimed to address this issue by modifying eligibility requirements for take-home doses, increasing the amount of take-homes provided, while balancing the risks of possible medication diversion and drug poisonings (both patients and community members). Opioid Treatment Programs cannot unilaterally relax take-home policies without submitting an exception request to the State Opioid Treatment Authority, housed at the Health Care Authority and SAMHSA’s Center for Substance Abuse Treatment. To begin this process, Evergreen Treatment Services proposed take-home status changes for five categories of methadone patients: (1) patients endorsing COVID-19 symptoms (assessed by medical provider) or confirmed disease receive up to 2 weeks of medication; (2) patients who have earned at least one take-home dose (garnered by demonstration of treatment stability using measures including negative urine drug tests and regular medication dosing) receive 1 week’s worth of medication; (3) patients over 60 or with medical co-morbidities would be eligible for 1–2 weeks’ worth of medication; (4) patients who are deemed unsafe to manage take-homes continue daily dosing; and (5) all other patients who are not in one of the above categories are put on a staggered take-home schedule whereby half the patients present in-person Mondays, Wednesdays, and Fridays, and the other half on opposite days; remaining doses provided as take-homes. These categories were outlined in a comprehensive Infection Control Response document, which was submitted to SAMHSA as a supporting document for the exception. At the same time, the Health Care Authority was working with the Governor’s Office and the Washington State Congressional delegation to bring attention to the list of urgent policy exceptions that had been requested to assure programs had the flexibility they needed to safely protect staff and patients. On 3/13/2020, SAMHSA released Evergreen Treatment Services’ infection response document as guidance for all Washington State Opioid Treatment Programs [26], after which the exemption was approved and implemented. On 3/16/2020 SAMHSA released adjusted rules governing Opioid Treatment Programs, allowing states to: (1) request blanket exceptions for all stable patients to receive 28-day take-home dosing and; (2) request up to 14-day take-home dosing for less stable patients, but who the Opioid Treatment Program believes can safely handle that level [27].

Clinical Decision Making During COVID-19

In practice, the most complicated elements of implementing infection control response have been determining which patients are “unstable”. Medical providers make determinations around patient stability on a case-by-case basis, some of which are clearly articulated within the documentation parameters, such as an inability to safely take safely medication daily due to a cognitive or psychiatric condition, or inability to keep medication safe due to a chaotic living situation. Yet numerous cases required lengthy and ongoing consultation among medical providers and clinical leadership. For example, individuals living with HIV are some of the most medically complicated patients at the Opioid Treatment Program. Maintaining this group in opioid
Impact on Opioid Treatment Program Service Delivery

While the impact of the COVID-19 on Opioid Treatment Programs and their patients cannot yet be fully appreciated, we describe initial patient flow variables before and after the onset of the pandemic. Two time periods spanning Monday–Saturday (excluding Sunday due to clinic closure) were compared: (1) “Before COVID-19”; February 24–29; and (2) “After COVID-19”, March 30–April 4. The percentage of on-site visits given that day’s census was calculated for each day of the time period. Before COVID-19, an average of 61.9% of patients were on site for dosing; this dropped to 31.1%, representing a 49.2% decrease. Of note, the Opioid Treatment Program maintained the same level of admissions (i.e. new patients initiating treatment) as pre-COVID-19.

Our initial effort encapsulates lessons learned from one Opioid Treatment Program when rapid implementation of new policies takes place in the face of extenuating circumstances. Namely, despite decades of mandates requiring supervised methadone dosing visits, policies were rapidly changed during a national crisis in order to ensure uninterrupted access to methadone while balancing efforts to mitigate COVID-19 risk. Our experience highlights that organization-level decisions can be made quickly, resulting in both the reduction in the number of persons on site by almost half, as well as a slight increase in the overall census. An unexpected bright spot of COVID-19 is the opportunity to formally evaluate a set of forcibly changed standard practices that have been called out for reform [29]. The effects of providing extended take-homes is unknown, and future research will be needed to study the effects of these changes on methadone-implicated poisonings, mortality, treatment retention, and HIV-risk behaviors and outcomes. As the pandemic evolves, we may find more people in need of opioid treatment due to reductions in drug supply, economic downturn, or other unpredictable eventualities. Increases in Opioid Treatment Program censuses, as was the case for Evergreen Treatment Services in the past month, will also bring more opportunities for these programs to provide HIV screening, testing, and linkage to treatment, a vital role that this setting can serve for opioid users.

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