How do SCS impact public health?
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Overview
Safer drug consumption services (SCS) are legally sanctioned spaces where people who use drugs are free to inject on the premises, using clean equipment, while under the supervision of trained staff. This harm reduction approach is effective in reducing injection-related morbidity and mortality. Availability of SCS have been shown to: prevent transmission of blood-borne infections, avert overdose fatalities, change high-risk behaviors, and increase uptake of health and social services by people who inject drugs. These positive health outcomes provide convincing evidence to support the establishment of SCS in the U.S.

Blood-Borne Infectious Diseases
Blood-borne infections such as hepatitis C virus (HCV) and HIV continue to be a significant health burden and cause of death in the United States. Though comprising less than one percent of the country’s total population, people who inject drugs experience over 50 percent of new HCV infections and 6 percent of new HIV infections. In San Francisco, people who inject drugs account for 21 percent of people living with HIV and 70 percent of active Hepatitis C infections in the city.

SCS are an effective method to reduce transmission of both HIV and HCV by preventing needle sharing and reuse. Regular use of SCS has consistently been shown to lead to fewer instances of risky injection behavior. For example, a 69 percent reduction in the likelihood of syringe sharing was shown among those using SCS in Vancouver. Implementing a SCS in San Francisco is estimated to avert 19 cases of HCV and 3.3 cases of HIV each year.

Overdose
Among people who use injection drugs, overdose is the greatest cause of mortality, exceeding the proportion of deaths caused by AIDS and other conditions. Since 2000, the number of deaths from drug overdose has increased nearly 1.5-fold in the United States, reaching over 47,000 in 2014, and surpassing motor vehicle injuries as the leading cause of accidental death.

Mortality from overdose is preventable with the provision of naloxone or “Narcan”, a prescription drug that temporarily reverses the physiological effects of opioid overdose. While availability of naloxone has expanded dramatically across the country, SCS take this a step further to provide immediate medical service to clients in the event of an overdose. To date, there are no reported overdose fatalities at any SCS worldwide.

Implementation of SCS in Vancouver brought about a 35 percent decrease in the number of fatal overdoses within a 500-meter radius of the facility, translating to between 2 and 12 deaths averted each year. In Australia, the facility significantly reduced ambulance calls related to overdoses by 68 percent during operational hours, thereby freeing up ambulance services to attend other community emergencies.

Changes in High-Risk Behaviors
Use of SCS has wide-reaching effects on other harm-reducing behaviors such as condom use and wound care. Over a two-year period, a cohort of SCS users in Vancouver exhibited an 8 percent increase in condom use during intercourse. Cutaneous injection-related infections such as abscesses and cellulitis represent the primary cause of morbidity among people who inject drugs. Twenty-seven percent of people attending Insite received nursing care for such issues.

Uptake of Health and Social Services
SCS aim to connect people who use drugs with health and social services. Data from existing facilities point to significant increases in the uptake of treatment services, including addiction treatment, detoxification programs, and initiation of medication-assisted treatment. Vancouver’s SCS has been associated with a 30 percent increase in detoxification service use among clients, with 57 percent of those attending the facility initiating addiction treatment, and 23 percent ceasing to inject drugs completely.

In Sydney, 25 percent of people engaging with SCS started such a program. A referral for further assistance is made every 41 visits to the facility, of which: 43 percent are to treatment related to drug dependence; 32 percent to primary health care services; and 25 percent to social welfare services.

Recommendations
Given the continued threats of HIV, HCV, drug overdose, and other injection-related harms, innovative interventions are needed to address drug-related disease and deaths in the U.S. SCS provide an effective and evidence-based approach to improving the health of people who inject drugs.


