“Syringe service programs” (SSPs) provide access to sterile syringes and other injection materials for people who inject psychoactive drugs (PWID). The overarching purpose of SSPs is to reduce the transmission of blood-borne viruses, such as HIV and hepatitis C virus (HCV) among PWID. There are a number of different types of SSPs. Syringe exchange programs are the best known. They collect used needles and syringes from PWID and provide sterile needles and syringes in exchange. Thus, syringe exchanges both provide the needles and syringes needed for safer injection and remove potentially HIV/HCV contaminated needles and syringes.

Syringe distribution programs provide sterile needles and syringes to PWID without necessarily collecting used needles and syringes in return. Syringe distribution programs are typically implemented when it is necessary to get large numbers of sterile needles and syringes to the PWID population and logistical problems prevent collecting used needles and syringes in return. Many programs operate as syringe exchanges but with a distribution component. For example, they may provide “starter” kits to new clients or they may give out the numbers of needles and syringes that a client needs even if the client has not returned an equal number to the program.

Pharmacy sales of sterile needles and syringes to PWID are an additional type of SSP. Pharmacy sales programs require laws that permit the sale of syringes without prescriptions and for the purpose of injecting illicit drugs. Pharmacy sales programs have the advantage that there are many more pharmacies than syringe exchange or syringe distribution programs and that pharmacies have much longer hours of operation than exchange programs. Pharmacy sales programs do not typically collect and dispose of used syringes, however, and cannot provide the range of harm reduction services that are available from syringe distribution or syringe exchange programs.

Effective HIV prevention for PWID does not require choosing one type of SSP. These types should be seen as complementary, and the most effective prevention would include implementation of all types of SSPs.

Multiple reviews of the scientific research have concluded that implementation of SSPs has led to reductions in injecting risk behaviors (needle and syringe sharing) and in the reduction of HIV transmission among PWID. To give one example, when New York City expanded its syringe exchange programs from 250,000 syringes per year to 3,000,000 syringes per year, the rate of new HIV infections fell from 4% per year to 1% per year in the city PWID population. When combined with medication-assisted treatment of substance misuse and substance use disorders, SSPs have also been shown to reduce HCV virus transmission.
MULTIPLE SERVICES AT SSPs

SSPs, particularly syringe exchange programs, often provide many additional services beyond the basic provision of sterile needles, syringes and other injection materials. In the US, syringe exchange programs typically provide HIV and HCV testing, referrals to HIV and HCV care, referrals to substance use treatment programs, and condoms for practicing safer sex. Many programs also provide naloxone and training in naloxone administration for reversing drug overdoses. PWID are a severely underserved population in the US, and SSPs often serve as frontline service providers for a wide variety of health and social services for PWID. However, active referral and effective linkages to health care providers and other services are needed to provide a high standard of care and support to PWID.

SSPs IN COMBINATION WITH OTHER HIV AND HCV PREVENTION AND CARE PROGRAMS

While SSPs have been shown to lead to large reductions in injecting risk behavior and to prevent HIV and HCV transmission, they should be considered to be a component of “combined prevention and care” for HIV and HCV among PWID. Implementing multiple different components of combined prevention has led to the greatest reductions in HIV and HCV transmission among PWID. SSPs, treatment for substance misuse and substance use disorders (including medication-assisted treatment), and treatment for HIV and HCV infection are generally considered to be the major components of evidence-based combined prevention and care.

LACK OF HARMFUL EFFECTS OF SSPs

Resistance to SSPs has usually been based on the supposition that the programs will somehow “encourage” illicit drug use and increase crime. However, there is extensive evidence to the contrary, showing that SSPs do not increase drug use or crime, and that the programs also reduce the number of discarded used syringes in the community. In fact, a study in Connecticut reported that needlestick injuries among police officers were reduced by one-third after SSPs were implemented. Moreover, the areas of the US that have been experiencing increased illicit drug injection are often the very areas that currently lack SSPs.

For further information on this Brief contact CDUHR at CDUHR.nursing@nyu.edu.

This Brief was prepared by CDUHR. We thank Julie Netherland (Drug Policy Alliance) and Daniel Raymond (Harm Reduction Coalition) for reviewing an earlier draft of this brief.

References:

Suggested citation: