Identifying Barriers to Dispensing Non-Prescription Syringes: A Survey of Community Pharmacists in North Carolina

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BACKGROUND

- Approximately 56,000 individuals are infected with human immunodeficiency virus (HIV) each year and injection drug users represent 12% of new HIV infections
  - In a recent HIV outbreak in Indiana, most of the newly diagnosed HIV cases were due to intravenous injection of oxymorphone
- Needle Exchange Programs (NEPs) provide sterile syringe access and proper disposal
  - NEPs reduce HIV transmission, reduce hepatitis C virus (HCV) transmission, and do not increase rates of drug use or crime
- Legislation regarding NEPs and non-prescription syringe access varies across the United States
  - In North Carolina, there are only 4 NEPs
  - In North Carolina, a pharmacist has the right to deny the sale of non-prescription syringes

OBJECTIVES

- Identify barriers North Carolina community pharmacists have to dispensing non-prescription syringes
- Identify solutions to overcome these barriers, including tools or education materials

SURVEY RETURN

5,598 Total Email Addresses → 5,589 Successfully Delivered Surveys → 1,067 Partial Surveys → 904 Completed Surveys

RESULTS

Why do you ALWAYS sell? (n=296)

- Public health & HIV/HCV prevention: 83%
- Personal beliefs: 35%
- Company policy: 29%
- Federal and state regulation: 9%
- Other: 7%
- Religious beliefs: 2%

Why do you NEVER sell? (n=66)

- Personal beliefs: 70%
- Company policy: 44%
- Federal and state regulations: 6%
- Religious beliefs: 2%

Needle Exchange Programs (NEPs) (n=904)

Would you support the legalization of NEPs?

- YES – 89%
- NO – 11%

If there was a NEP near your pharmacy, would you refer your customer to a NEP?

- YES – 87%
- NO – 13%

Would you support the efforts of updating NC law to clearly state the legalization of retail pharmacies selling non-prescription syringes?

- YES – 76%
- NO – 24%

TOP 5 “extremely important” factors in a pharmacist’s decision to sell non-prescription syringes (n=557)

- Customer’s sobriety: 282
- Federal and state regulations: 256
- Concern the syringes may be used for illicit drug use: 193
- If the customer has an insulin prescription: 192
- Pharmacy company policy: 162

DISCUSSION

- This study is limited to one state (North Carolina) and cannot be extrapolated to the rest of the United States
- Unexpectedly, more pharmacists choose to always sell versus never selling non-prescription syringes
- Community pharmacists recognize their potential impact for public health and in preventing the spread of HIV/HCV
- Barriers keeping pharmacists from selling non-prescription syringes include personal beliefs, lack of clarity from federal/state regulations, and misperceptions of the customer
- Suggestions for future continuing education for pharmacists include understanding of the mentality of injection drug users and emphasizing the importance or potential impact pharmacists have in bridging the gap to sterile syringe access
- Future areas of research may include pharmacists’ understanding of federal and state regulations; clarification of company policies of independent, chain, mass merchant, and supermarket pharmacies; and pharmacists’ perceptions of non-prescription syringe sales after the educational campaign

CONCLUSIONS

- Community pharmacists can play a crucial role for public health and HIV/HCV prevention
- Legislative update to pharmacy practice in North Carolina is needed to clearly define pharmacists’ ability to sell non-prescription syringes
- Needle Exchange Programs need to be legalized to assist in combating the spread of HIV/HCV while educating high-risk patients about their health status and connection into healthcare

ACKNOWLEDGMENTS

The authors would like to acknowledge Peggy Weil from Western North Carolina AIDS Project (WNCAP) and Tessie Castillo from North Carolina Harm Reduction Coalition (NCHRC) for their assistance in the survey formulation.