

## School Nurse Perspectives on Do-It-Yourself Automated Pancreas Systems in the School Setting

TRANSLATIONAL MEDICINE ★ CANCER RESEARCH DRUG DISCOVERY

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May 11, 2022

### Abstract

Do-it-yourself (DIY) artificial pancreas systems (APSs) are gaining popularity among children with type 1 diabetes. Little is known about how school systems provide care for children who use DIY APSs, and available guidance for schools is limited. This study explored school staff perspectives on DIY APSs through a national survey of school nurses about their current practices, beliefs, and attitudes toward DIY APSs. Although one-quarter (23%) of school nurses reported experience with DIY APSs in school, nearly half (46%) had no prior knowledge of this new technology. The majority (82%) reported that children should be allowed to use DIY APSs in school, although there was less consensus about school nurse responsibilities with these devices. Qualitative responses added context regarding potential barriers, including the need for more informed guidelines and training and fears of liability. Future development of school guidelines for DIY APSs is necessary and should incorporate stakeholder perspectives.