

**Association of British Clinical Diabetologists, Diabetes Technology Network UK and
Association of Children's Diabetes Clinicians Survey of UK Healthcare Professional
Attitudes Towards Open-Source Automated Insulin Delivery Systems**

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DTN-UK DIY Artificial Pancreas System Survey

The number of people with diabetes choosing to build their own DIY artificial pancreas system (also known as looping, AndroidAPS or OpenAPS) is growing rapidly. Observational data are promising but we have no robust data on the risks involved. Such systems are unregulated and unapproved and the use of the component parts is off label. Users of these systems do so at their own risk. We are keen to develop an understanding of HCP attitudes on this controversial topic.

Please complete this 5 minute survey.

Do you work in adult or paediatric diabetes? Adult/Paeds/Both

Role: Consultant/SpR/GP/DSN/Dietitian/Other

Region: Scotland/Wales/England/NI/Other

Are you a member of the team caring for people who use insulin pumps? Y/N

How many people in your service use insulin pumps?

0-100

100-200

300-400

400-500

>500

How confident do you feel describing what a DIY APS is? (Likert scale 1-5, 1=Not at all confident)

How confident do you feel describing the risks of DIY APS? (Likert scale 1-5, 1=Not at all confident)

How confident do you feel describing the benefits of DIY APS? (Likert scale 1-5, 1=Not at all confident)

How many people in your service are you aware of who use a DIY artificial pancreas system?

<2

2-5

5-10

10-15

15-20

>20

Do you think DIY APS are...

Dangerous

Risky in the wrong hands

Slightly riskier than approved options

No riskier than approved options

Safe because only used by expert individuals

Other (free text)

Do you believe that HCPs should learn more about DIY APS to support people with diabetes

Yes/No

How comfortable do you feel providing ongoing clinical support for people using DIY APS?

(Likert scale 1-5, 1=Not comfortable)

If a person asks about DIY APS would you...

Warn against

Tell them you can't supply kit if that is what they intend to do

Tell them that you can supply kit but can offer no other support

Tell them you will help in whatever way you can

Tell them you know nothing but know a person who does

Other (Free text)

Do you initiate discussions on DIY APS as a treatment option in your consultations?

Yes/No

If no, why? (Tick all that apply)

Not regulated/approved

Limited knowledge of the system

Fears around indemnity

Other

Have you declined or been unable to provide ongoing care for any users of DIY APS?

Yes/No

Have you declined or been unable to provide the required insulin pump or consumables for individuals wishing to develop their own DIY APS? Y/N

If yes please provide details:

If you had Type 1 diabetes, would you use DIY APS? Yes/No/unsure

Would you wish to learn more about DIY APS? Yes/No

If yes, then how would you prefer to learn

Hand on in classroom

Distance learning

Lectures

Online learning

Other

Any comments to feedback?