

2023-May-14

Extended Health Insurance Administrators

Re: reimbursement for smartphones as medical devices for insulin pump systems

Dear Extended Health Insurance Administrator

I am writing to inform you that modern smartphones form an integral part of open-source Artificial Pancreas Systems (APSs), also known as Automated Insulin Delivery (AID) systems. For this reason I consider modern smartphones to be medical devices.

Open-source APSs are comprised of 4 elements:

- CGM (Dexcom G6, Freestyle Libre 2 or 3)
- Insulin pump (Omnipod, Ypsopump)
- Smartphone (iPhone 13+ or Android phone manufactured since 2021)
- Smartphone app ("Loop" & "iAPS" for iPhone 13+ & "AndroidAPS" for Android)

For further reading on APSs you are directed to this [general discussion paper](http://bit.ly/2QO2Xpk) (see <http://bit.ly/2QO2Xpk>) and to [this paper](https://bit.ly/3lbeWKC) (see <https://bit.ly/3lbeWKC>) which describes APS installation and management at BCDiabetes.

Do not hesitate to call if you have any questions +1-604-638-0431

Yours sincerely,



Tom Elliott  
Medical Director  
Short URL = [https://bit.ly/APS\\_smartphone](https://bit.ly/APS_smartphone)