

# Mentorship in HCL Technology

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# Background

- Guidelines recommend that a specifically trained and expert team should provide training on HCL systems
- Educators play a critical role in the on-boarding, education and support needed
- Educators new to HCL frequently report:
  - Lack of confidence interpreting downloads
  - Anxiety around algorithm overrides and patient safety\*
- Mentorship is associated with:
  - Increased confidence in autonomous decision-making
  - Faster progression to independent practice\*\*
  - Aligns directly with NMC requirements for safe, effective, evidence-based practice

GG “*Highlighting its importance in the diabetes technology pathway*”

\*[Closed-loop technology: a practical guide - Hartnell - 2021 - Practical Diabetes - Wiley Online Library](#)

\*\*<https://www.google.com/url?sa=i&source=web&rct=j&url=https://www.cwshealth.com/post/mentorship-and-leadership-development-nurturing-the-next-generation-of-clinicians%23:~:text=3DResearch%2520has%2520shown%2520that%2520effective,errors%2520and%2520improving%2520clinical%2520efficiency.&ved=2ahUKewifzrPub2SAxUXV0EAHTp8ClgQqYcPegQIBRAC&opi=89978449&cd&psig=AOvVaw2e5c4002-FENGLzbSBXt9S&ust=1770210426374000>

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ORIGINAL ARTICLE



## Expert panel opinion on the optimal educational pathway for diabetes educators for training people with type 1 diabetes on the MiniMed™ 780G system: a Delphi consensus

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### Abstract

**Introduction** The MiniMed™ 780G system is an advanced insulin pump system incorporating an AHCL (Advanced Hybrid Close Loop) algorithm that automatically adjusts insulin delivery based on glucose levels. All guidelines recommend the use of Automated Insulin Delivery therapy for people with type 1 diabetes (PWT1D) and they highlight that a specifically trained and expert team should provide training on HCL systems for PWT1D, but none of the publications detail the curriculum profile that diabetes educators should have. This paper aims to establish a consensus on the optimal educational pathway for diabetes educators on the MiniMed™ 780G system.

**Methods** An Expert Panel (EP) of 11 key opinion educators in diabetes technology in the EMEA area was assembled. Using the Delphi method, a consensus questionnaire based on the literature research was created, discussed and validated by the EP members. An agreement level of  $\geq 75\%$  was considered a strong consensus.

**Results** EP members had on average 16.3 years of clinical experience and followed at least 50 PWT1D using the MiniMed™ 780G system. All EP members agreed that a structured educational pathway to train diabetes educators in the use of the MiniMed™ 780G system is needed. 100% of the EP members agreed that the pathway should include a mentorship programme and in-field training; 90% agreed on using face-to-face training with the support of e-learning modules. The EP members believed that minimum competency standards for diabetes educators around the principles of diabetes care and education are needed.

**Conclusion** The educational pathway created by the EP showed that skills are needed at an advanced level and that mentorship in developing these skills is critical. This pathway is vital for supporting the implementation of diabetes technology into everyday life and can remove barriers and increase access to PWT1D.

.... a reference for the training of diabetes educators who will be supporting patients to acquiring the knowledge and skills for the on-boarding onto HCL systems

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download the paper



## Consensus survey

### The 7 consensus questions



Do you agree that there is a need for a comprehensive and structured educational pathway for diabetes educators who train and educate T1D patients on MiniMed™ 780C system technology?



Do you agree that a mentorship programme should be part of “The Pathway”?



Do you agree that F2F trainings are needed to be part of “The Pathway”?



Do you agree that e-learning modules are needed to be part of “The Pathway”?



Do you agree that in-field training (observing and conduct supervised training with a patient) is needed to be part of “The Pathway”?



Do you agree that training on therapy clinical evidence should be a part of “The Pathway”?

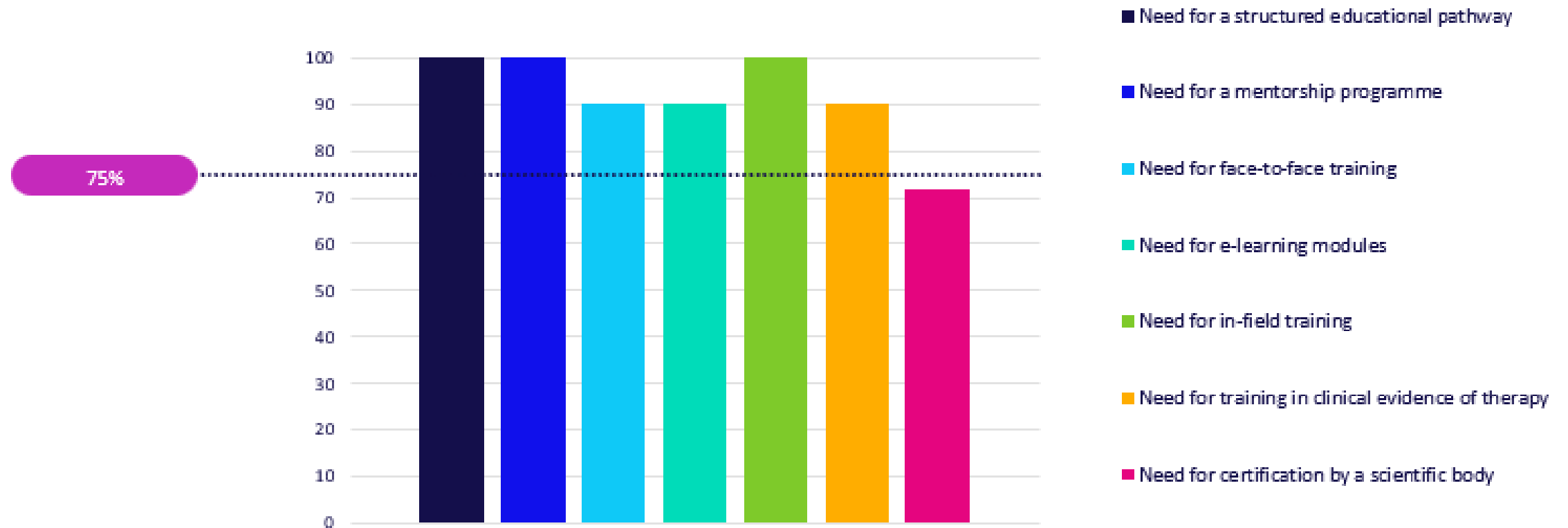


Do you agree that the completion of “The Pathway” has to be certified by a competent scientific body

# Results

## Responses to consensus questions

A strong consensus was obtained for 6 out of 7 questions  
All questions reached 70% level of agreement



## Guidance for being a mentor

### Characteristics

Competent Leader in the management of AHCL

Operational insulin pump service

Willing to share his/ her expertise

**Mentor**

### Responsibilities

Give mentee exposure to training opportunities virtual or in person and provide structured feedback

Provide both technical and clinical guidance

Identify areas of competency and any further training needs

Would you position yourself as a mentor to others?

or

Position yourself as wanting to benefit from having a mentor?

