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Cambridge Diabetes Education Programme

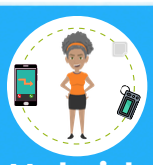
# CDEP Diabetes Technology Competency Pathway

## CGM and Hybrid Closed-Loop (HCL)

*Aligned to the 2026 National Diabetes Technology Competency Framework*

## 1 CDEP Theoretical Knowledge and Assessment

**Continuous Glucose Monitoring (CGM)**
Sensor principles, trends, alerts, data interpretation, safe responses, limitations., troubleshooting, and escalation



**Hybrid Closed-Loop (HCL)**
How CGM, pump and algorithm interact, day-to-day use, common challenges, safety, illnes, failures, and escalation.

**CDEP compentency package passed!**
Certificates and reflection documentation provided.

### Indicative Framework Knowledge Mapping

| | |
|---|---|
| **Understanding the Systems** | CGM sensors, pumps, HCL functions and limitations |
| **Clinical Application** | Glucose data, trends, targets, insulin-related decisions |
| **Safety and Special Situations** | Hypo/hyperglucaemia, device failure, sick-day risks |
| **Education and Escalation** | Supporting users, recognising limits and referring |

*Supports Level 1 awareness; Level 2 underpinning knowledge; and Level 3 selected theory.*

## 2 Local Practical Training and Delegation

**Supervised Practice**
Hands-on device experience
Scenario-based application
Device-specific training

**Competency Sign-Off**
Observed practical skills
Assessed against role/level
Signed off by local assessor

**Local Authorisation**
Scope of practice and policy
Clinical responsibilities
Escalation and governance

## Recommended Completion Frequency

**Before undertaking independent device-related responsibilities:**

- complete relevant theory and local practical assessment.
- Update CDEP learning and review practical competence at intervals set by local policy (annual review suggested).
- Reassess following new devices, role changes, incidents, significant guidance updates or prolonged gaps in practice.

## Why Commissioners Choose CDEP

- Standardised and quality assured
- Auditable and scalable across services
- Access via CDEP website or LMS/ESR
- Automated compliance and outcome reporting

**Note! CDEP evidences theoretical learning, NOT practical competence.**
*Employers retain responsibility for device-specific training, supervised practice, practical assessment, competency sign-off, scope of practice and governance.*

Interested in deploying CDEP within your organisation?
Contact: **info@cdep.org.uk**

*Framework: Richardson et al., Diabetic Medicine (2026) | DTN-UK competency self-assessment tool*