

The slide features a decorative header at the top with a teal-to-blue gradient bar. The background is white with a repeating pattern of light gray triangles pointing in various directions. The main text is centered and reads:

1 Year into the NICE TA- your achievements and challenges

National Institute for Health & Care Excellence (NICE) Technology Appraisal Guidance on HCL technology - 2023

Hybrid closed loop (HCL) systems are recommended as an option for managing blood glucose levels in type 1 diabetes for:

- children & young people,
- people who are **pregnant or planning a pregnancy**, and
- adults who have an HbA1c of ≥ 58 mmol/ mol ($\geq 7.5\%$), or have **disabling hypoglycaemia**, despite best possible management with at least 1 of the following:
 - continuous subcutaneous insulin infusion (CSII)
 - real-time continuous glucose monitoring
 - intermittently scanned continuous glucose monitoring

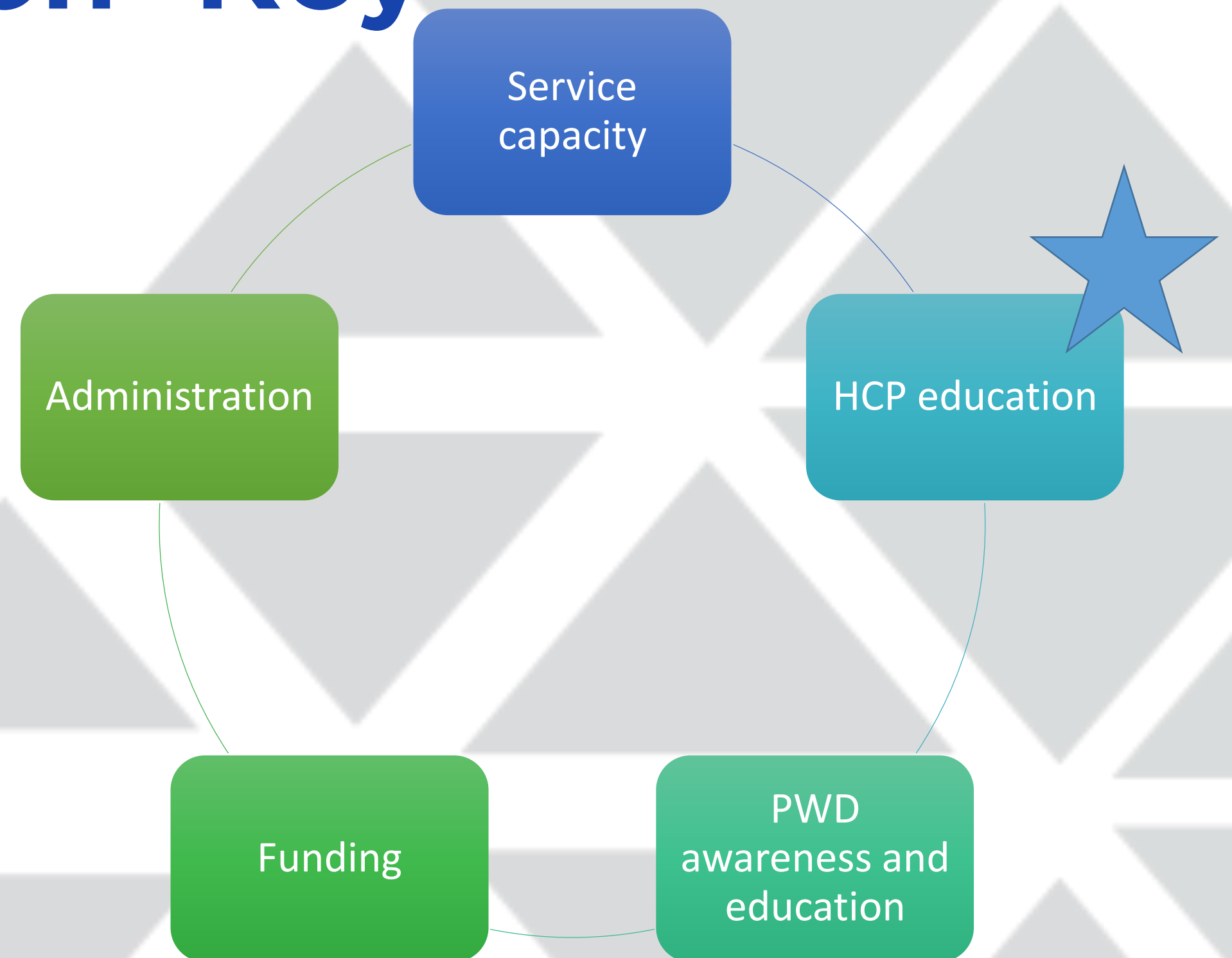
What is the challenge?

- Based on NDA report 2021 – there are **236,000 people** aged 19 and over living with T1D
 - 85,840 are seen in specialist care
 - **137,765 are in primary care only**
- Data from the NDA suggests that approximately **140 000 adults** across England and Wales may be eligible for HCL treatment based on the HbA1c criteria alone.
- NICE TA151 for insulin pump therapy in people with type 1 diabetes was published in July 2008.
 - Only 11.5% of people with type 1 diabetes in England are using CSII and 16.7% of those in Wales.
 - That corresponds to just over **26 000** people from a total population of 227 435 who have accessed insulin pump therapy over a 15-year period.
 - Estimated that just under 60 000 people met HbA1c criteria for insulin pump therapy
- To roll out HCL to the eligible population who would like to access it, the pace of offering access to technology will need to increase rapidly.
- This represents a significant challenge to services keen to offer access to this life-changing technology.
- We have 5 years to do this.....
- **We must do something different**

HCL implementation- Key considerations.....

Education and Sharing

Best Practice





1 Year On...Let's celebrate achievements so

- HCL is happening across the country, its hard but lets not forget the bigger picture.

far

- Priority areas:
 - Pregnancy
 - Children and Young adults (nearly 70%)
- Allocation of local funding
 - Signed up to NHS Framework
 - Data collection
 - 60 million for year 2
 - 1 million pregnancy swap fund
- Education and confidence around HCL increasing
 - Conferences
 - Study days
 - Insulin safety week.
 - Team education

THE STORY OF 2024

97% of T1Diabetes have CGM

98% of T1Diabetes pregnancy have CGM

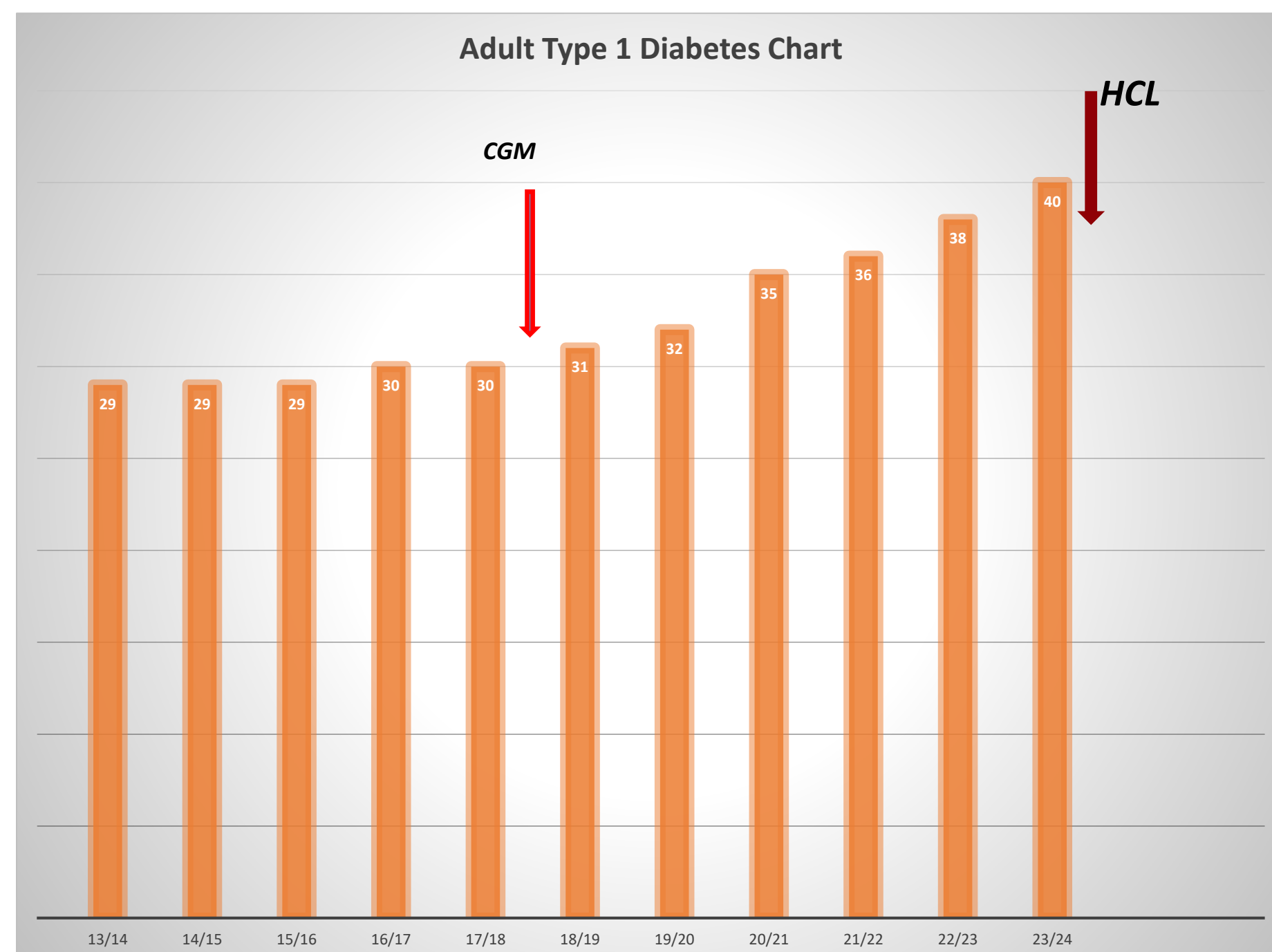
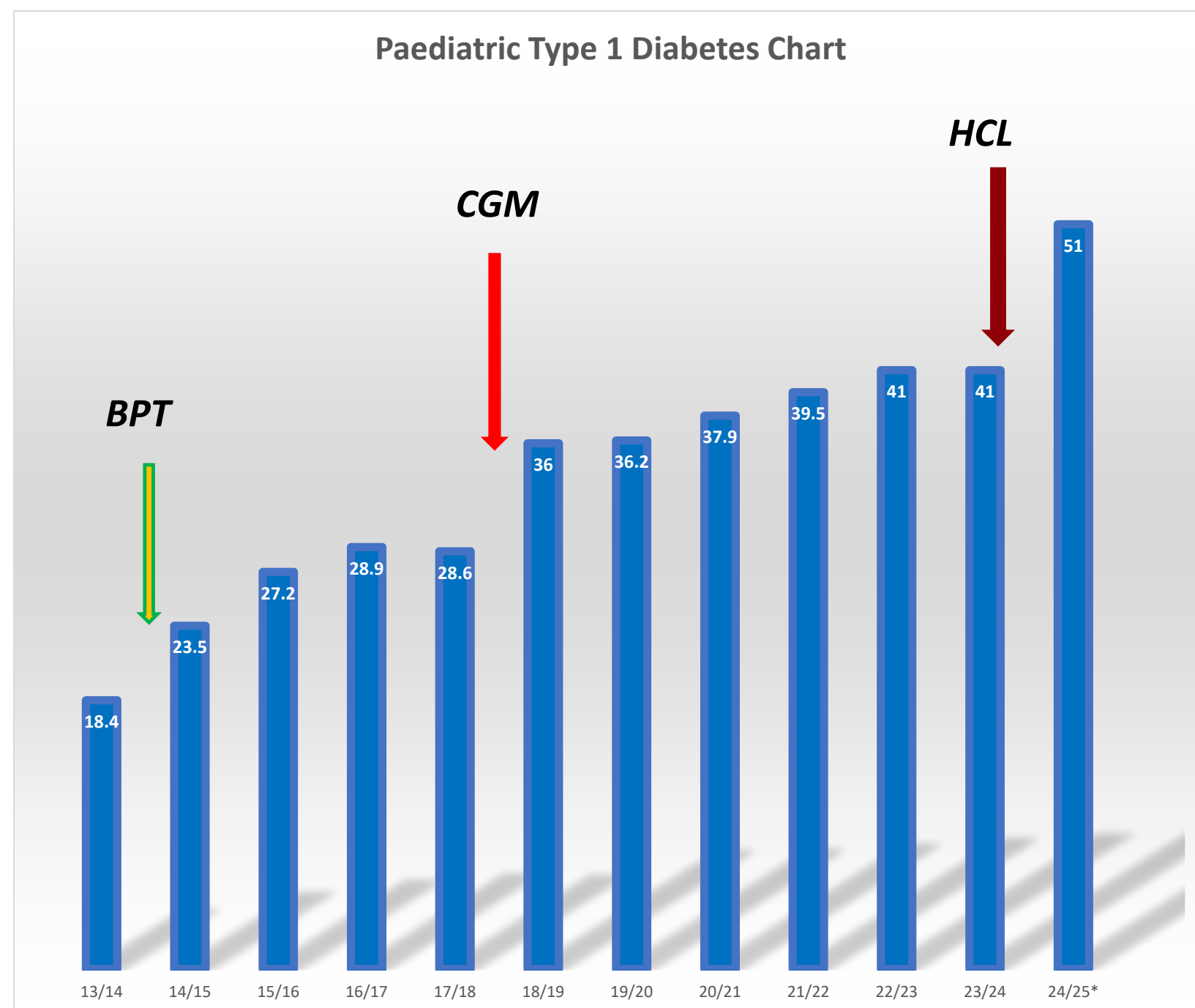
Pediatric HbA1c attainments best since records began

Adults HbA1c attainments best since records began

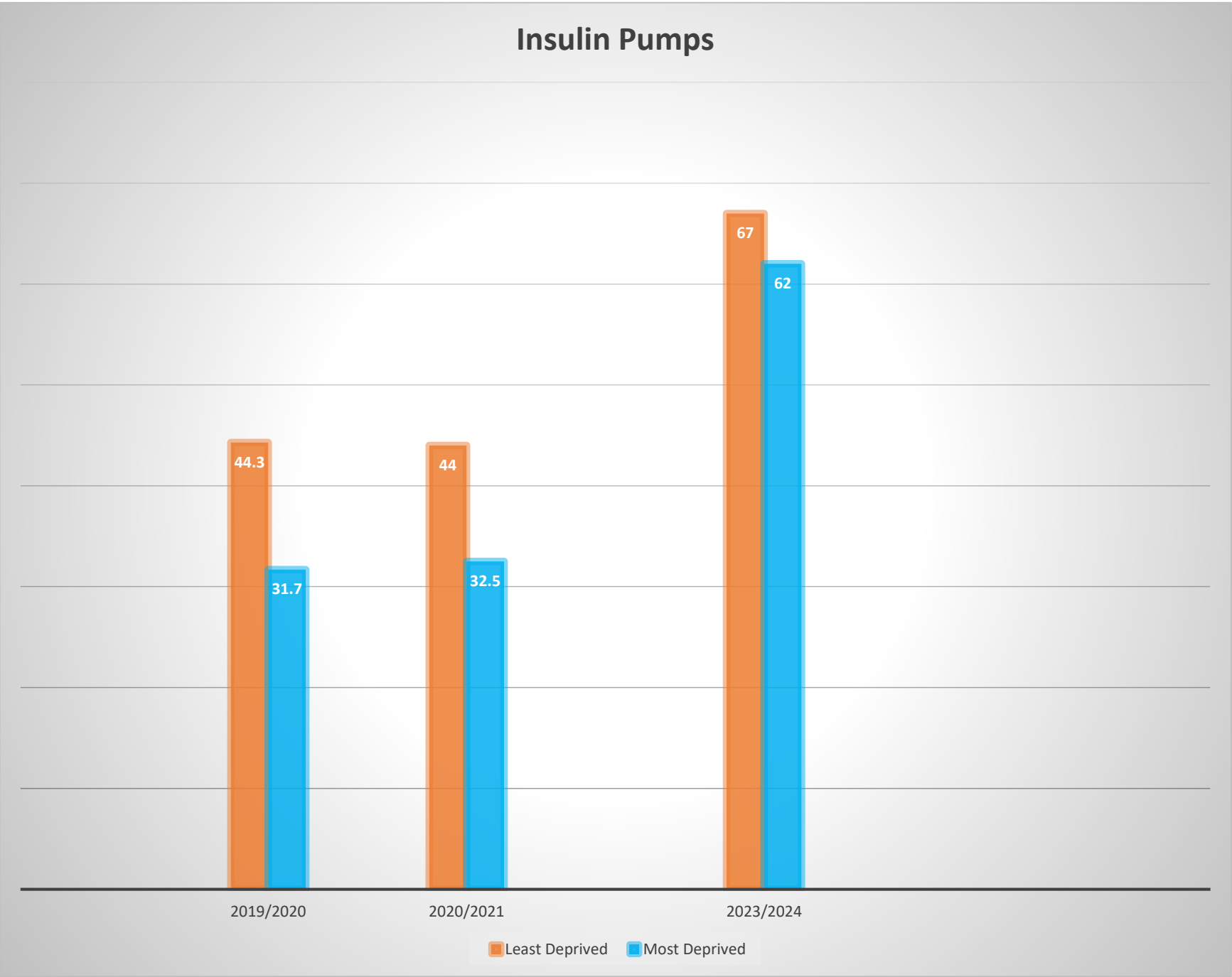
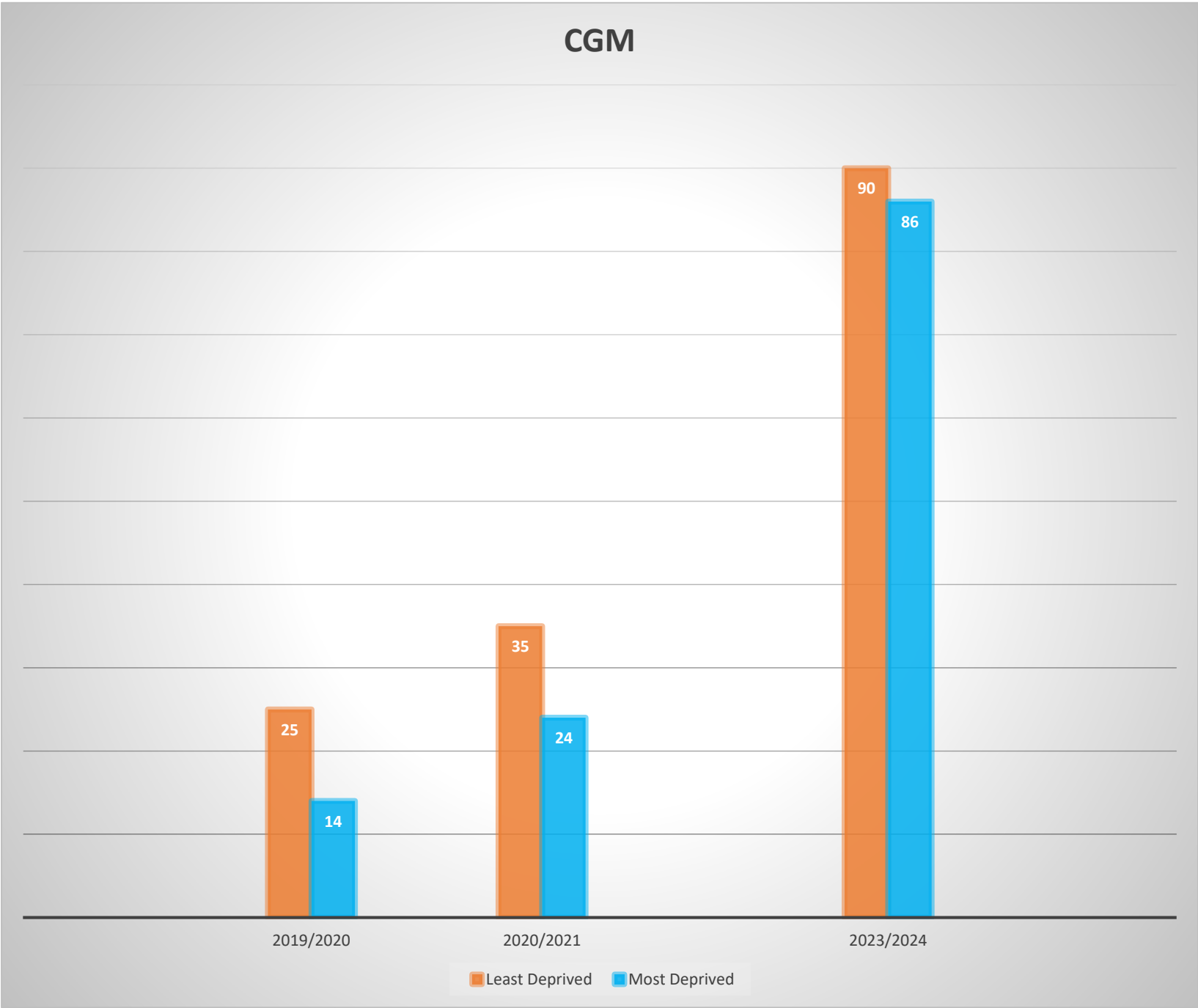
T1Diabetes pregnancy outcomes - improvement on all markers



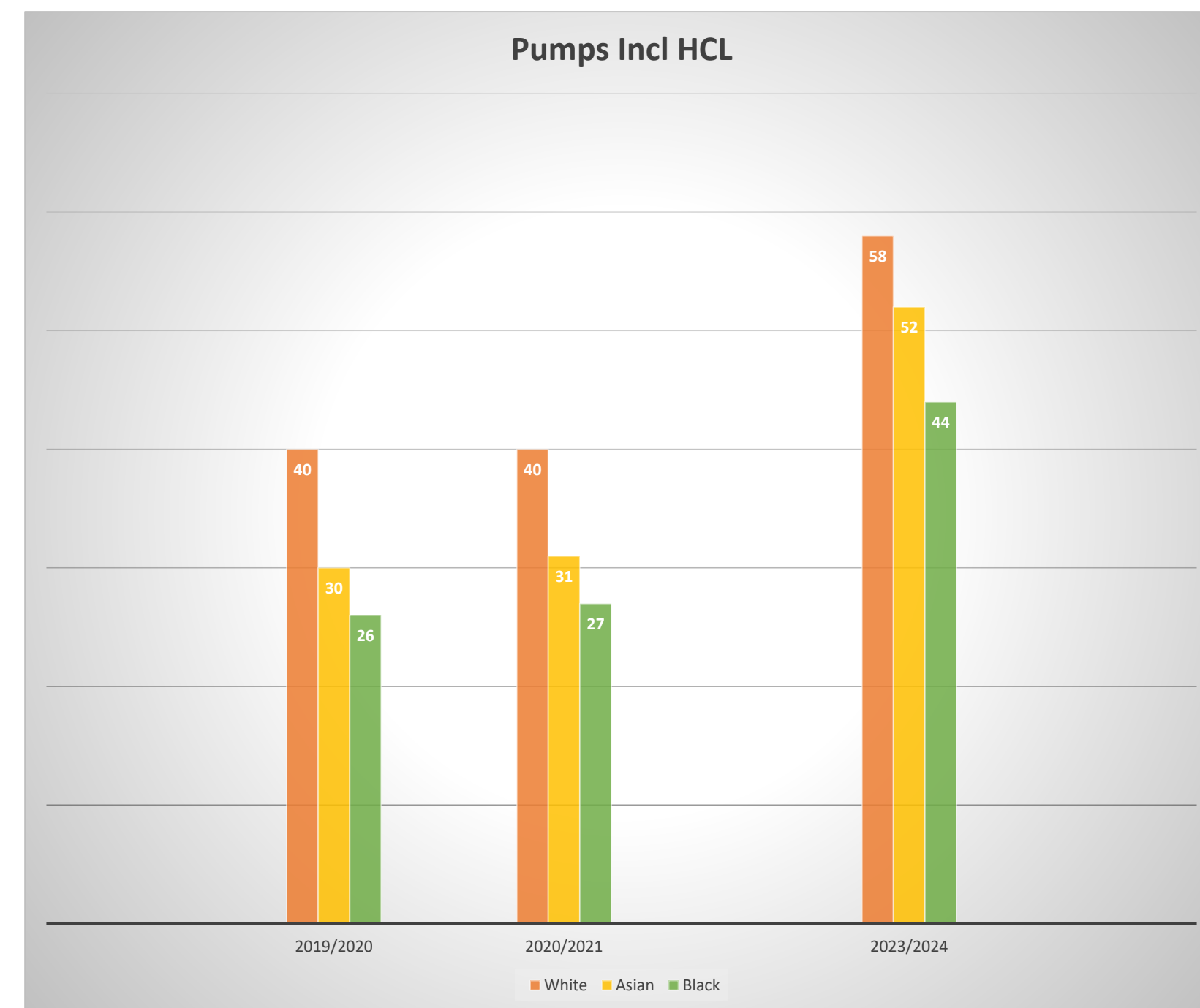
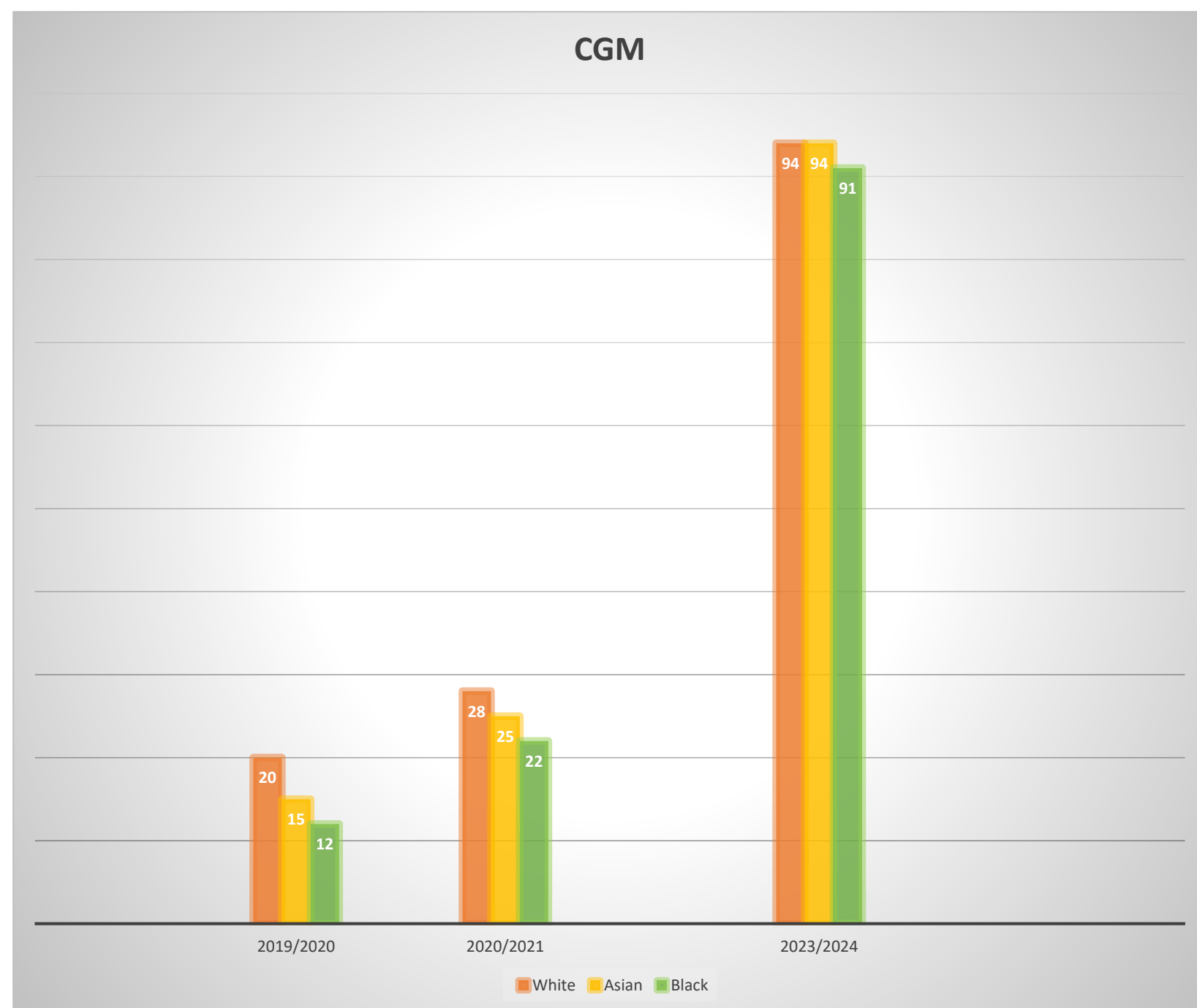
HbA1c < 7.5%...Moments in Time



Tackling deprivation (Paediatric)



Tackling Ethnicity gaps (Paediatric)



Slido

- What successes are you proud of in the last year with the Implementation of HCL?

Slido

What blocks/challenges are you facing in your area with the implementation of HCL?

Hybrid Closed Loop Workforce Capacity Modelling Tool.



The HCL Workforce Capacity Modelling Tool is designed to assist with:

a) Forecasting:

- Type 1 diabetes caseloads
- HCL uptake rates
- Outpatient clinic requirements
- Education class needs

b) Capacity Planning:

- Estimating educator and administrative workforce requirements across the HCL pathway, including structured education sessions.

Explore the tool here:

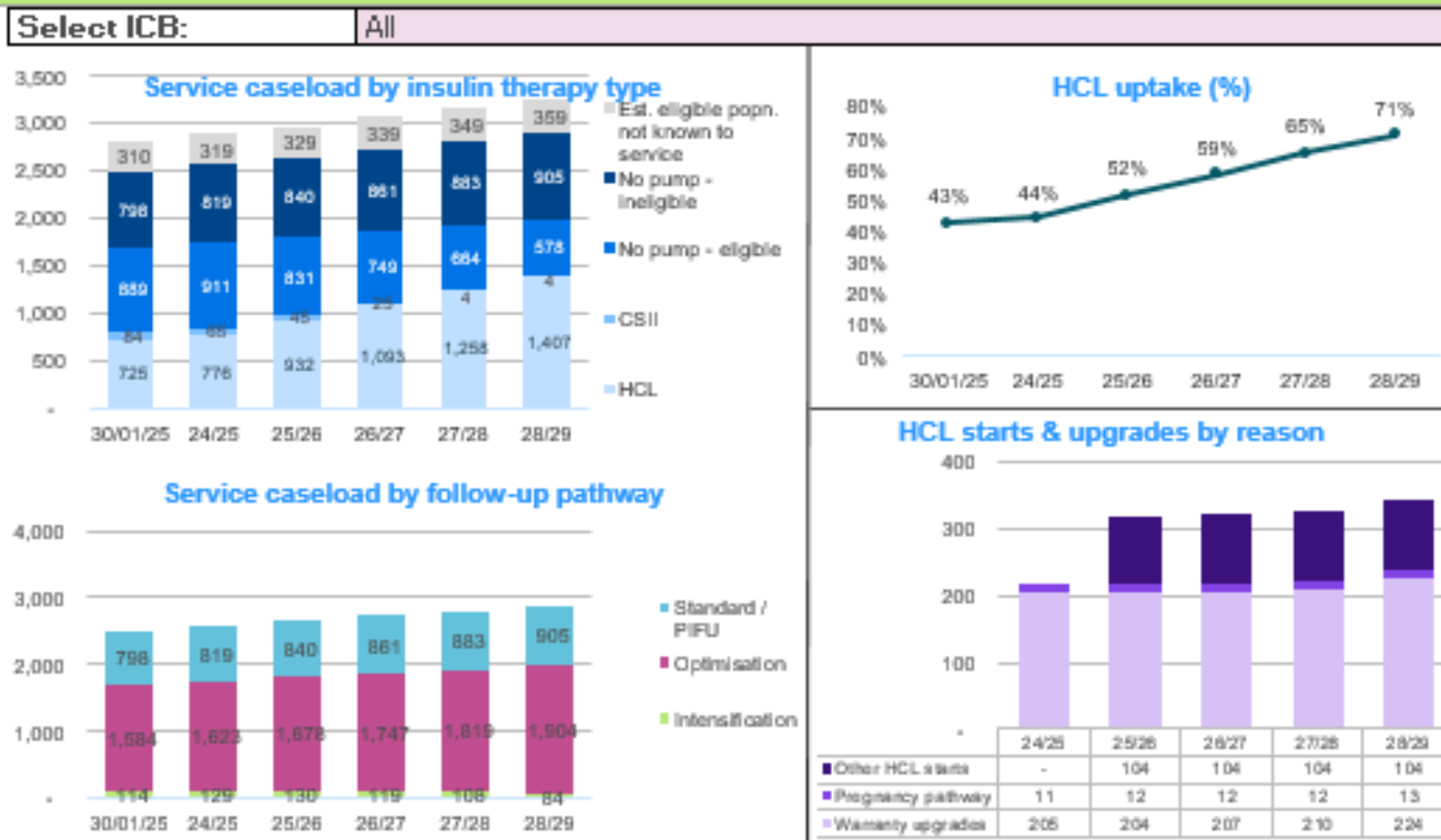
- <https://healthinnovationnetwork.com/resources/hybrid-closed-loop-workforce-capacity-modelling-tool/>
- This tool is a free resource, and we encourage you to download and share it with Type 1 Diabetes services and commissioners across the country.
- *To access the tool, you'll be asked to provide some brief information about yourself and grant consent to receive updates. This will ensure you are notified of future versions of the tool, which we plan to update as guidance evolves or new devices are added to the framework.*

Hybrid Closed Loop Demand & Capacity Model - Outputs Dashboard

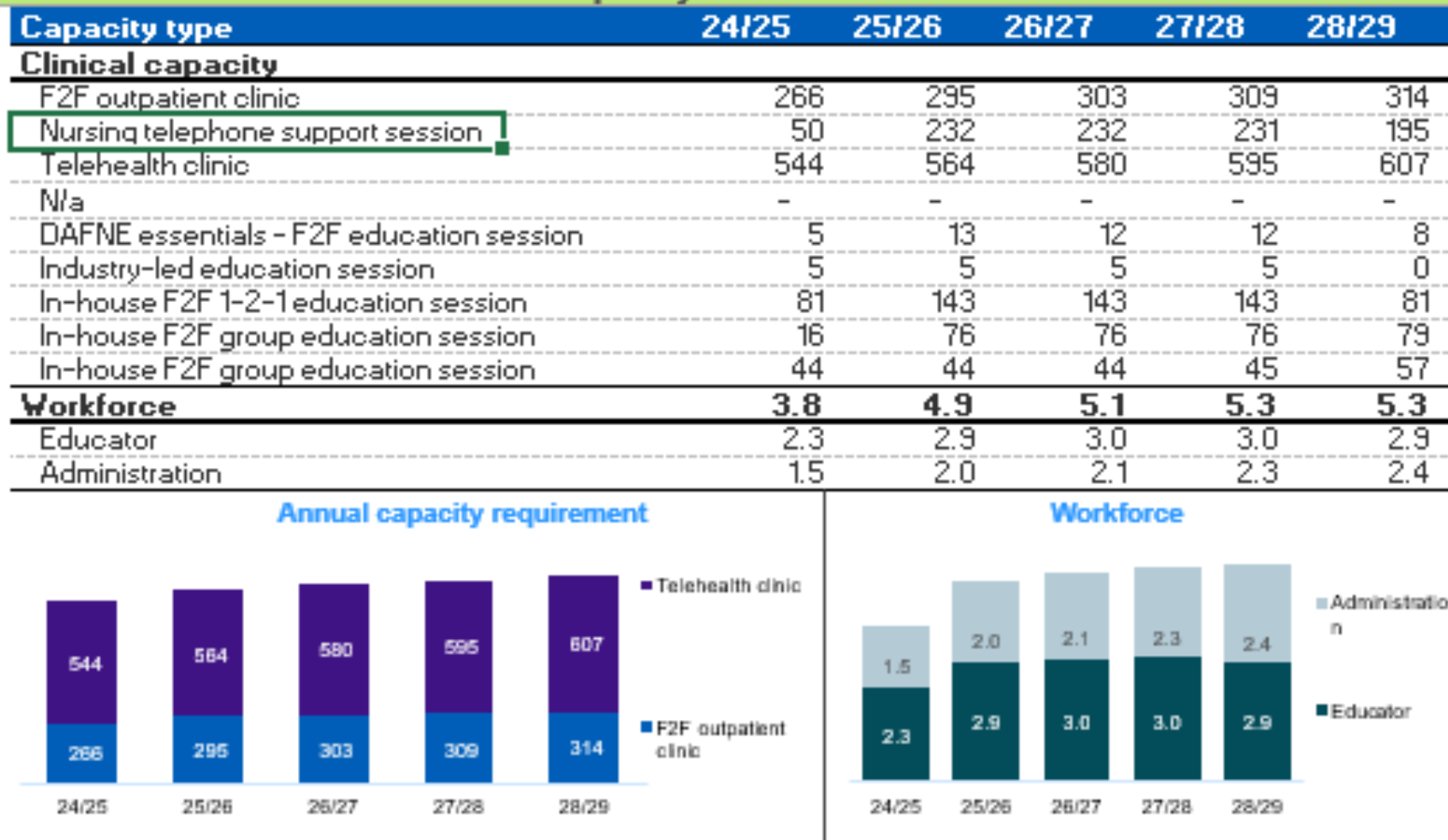
[Return to Navigation](#)

This page shows the impact on caseload, mix of therapy types and activity, and the capacity, workforce and devices needed to support the HCL starts & upgrades profile configured by the user.

Caseload



Capacity & Workforce

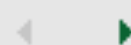


Activity

Activity type	24/25	25/26	26/27	27/28	28/29
F2F Outpatient attendance	1,329	1,473	1,513	1,543	1,570
Telephone support	199	928	927	925	779
Telehealth clinic attendance	2,720	2,818	2,902	2,976	3,037
DAFNE essentials - self-directed online learning	22	95	94	94	78
DAFNE essentials - F2F education session attendance	19	50	50	50	33
Industry-led education session attendance	20	20	20	20	0
In-house F2F 1-2-1 education session attendance	81	143	143	143	81

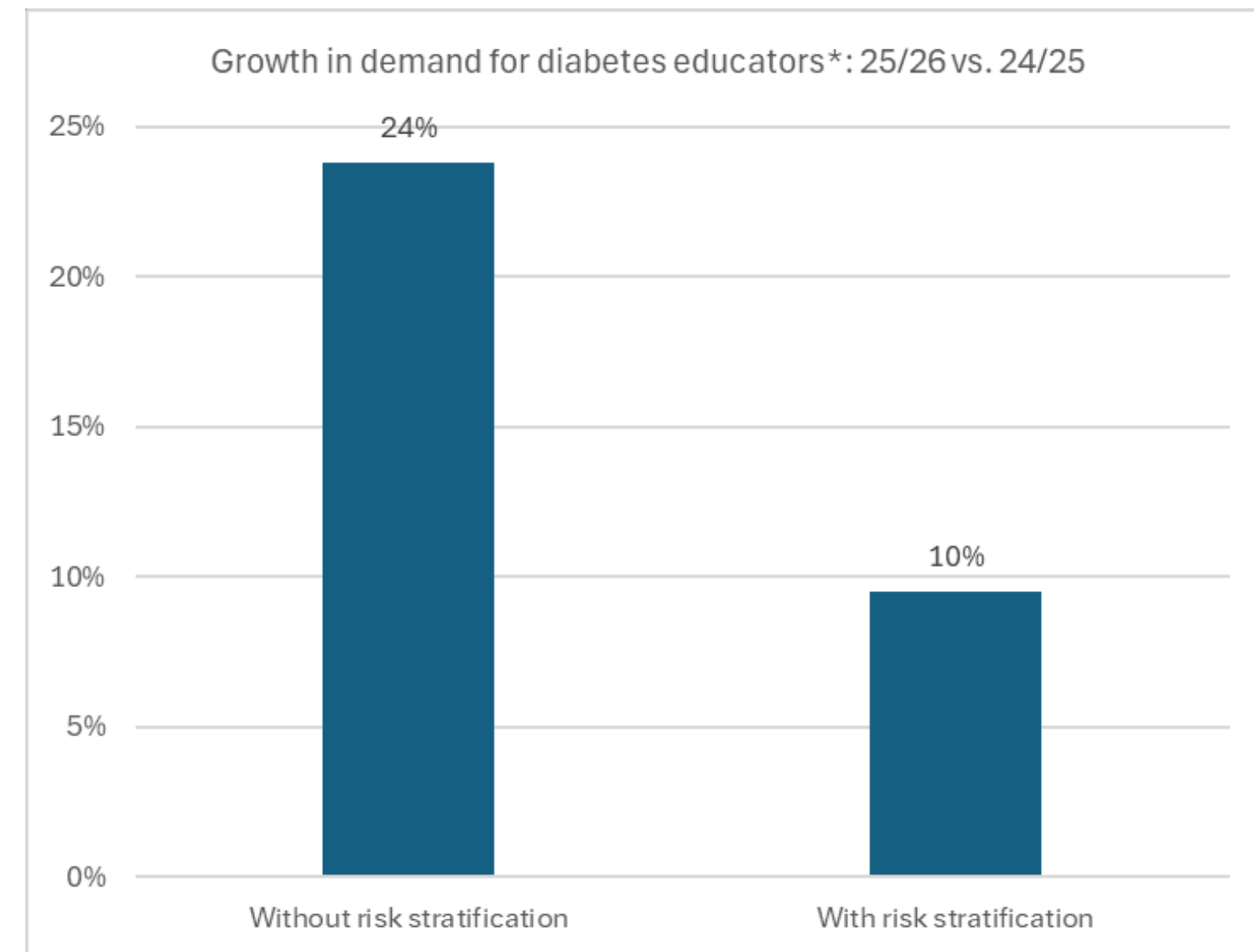
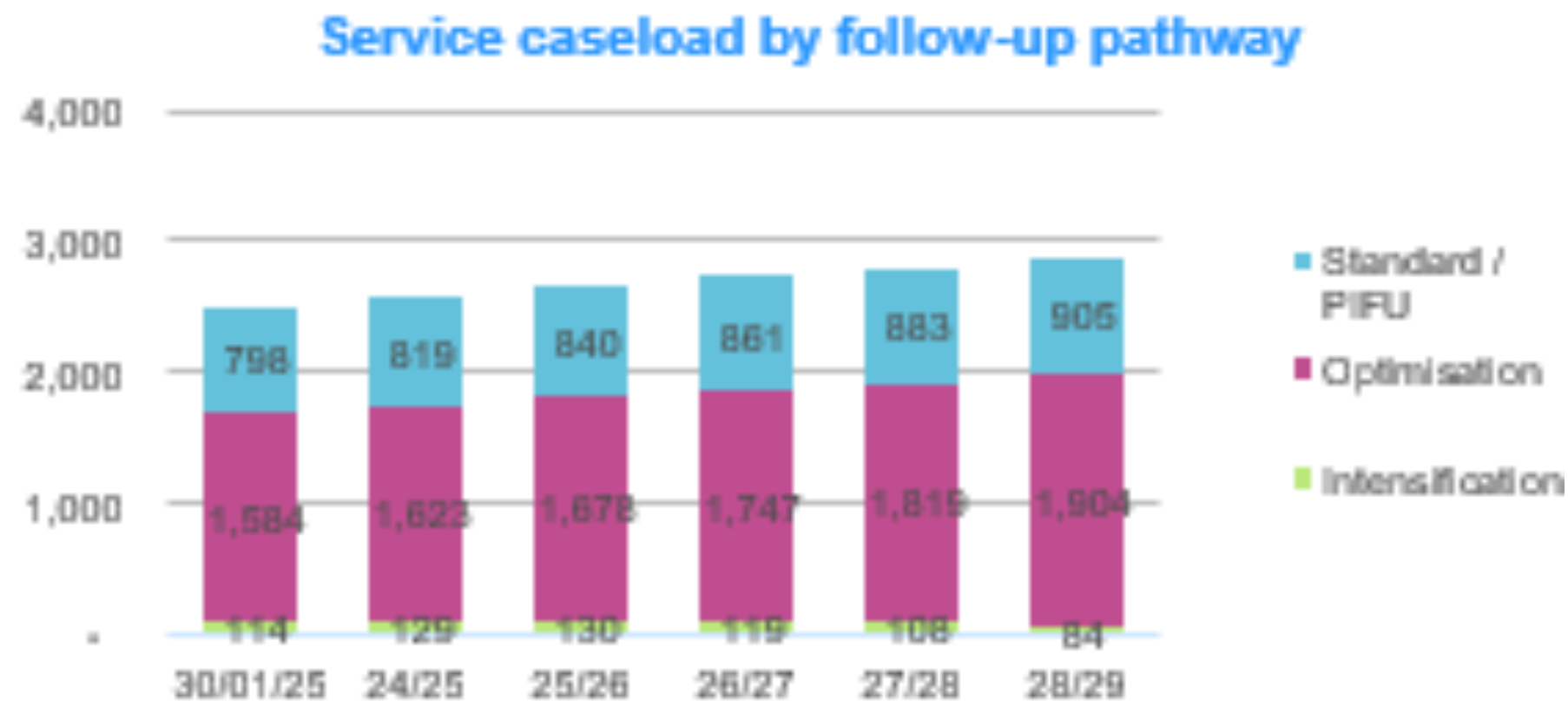
Devices

Activity type	24/25	25/26	26/27	27/28	28/29
Dexcom G6 transmitter PLUS sensor	144	214	216	218	228
Abbott Freestyle Libre 3	30	45	45	46	48
Medtronic G4	23	34	34	34	36
Simplera Sync	8	11	11	11	12
ALL OTHER CGM SENSORS	11	17	17	17	18
TOTAL CGM SENSORS	216	320	323	326	341
Insulet Omnipod 5	129	190	192	194	203


[1. Overview >>](#)
[1.1. Coversheet](#)
[1.2 Workflow & Nav](#)
[2. Outputs >>](#)
[2.1. Outputs](#)
[3. Essential inputs >>](#)
[3.1. Caseload input](#)
[3.2. HCL s](#)

Risk Stratification

- The model predicts that, without risk stratification, demand for diabetes educators will grow by 24% from 2024/25 to 2025/26. Successful risk stratification approaches might reduce this by more than half.



Comprehensive resources to support healthcare teams, including:



Workforce Capacity Modelling Tool

We recommend reading the PDF user guide thoroughly before attempting to generate insights.

[Download](#)

User guide

We have provided step-by-step instructions for how to use the modelling tool effectively. Please read this guide prior to using the modelling tool, and ensure you have the required data available to access the full functionality of the model.

[Download](#)

Video tutorial

A thorough walkthrough of the tool's features and functionality, and how to use the model with the support of the user guide.

[Watch](#)

Lunch and learn: session recording

Recording of the model's launch event, with expert insights on using the tool for HCL implementation and a Q&A session with NHS service users.

[Watch](#)