

Managed Access Agreement

**Exagamglogene autotemcel for treating transfusion-
dependent beta-thalassaemia [TA1003]**

NATIONAL INSTITUTE FOR HEALTH AND CARE EXCELLENCE

Innovative Medicines Fund – Data Collection Arrangement

Exagamglogene autotemcel for treating transfusion- dependent beta-thalassaemia (TA1003)

Company name: Vertex (the company)

Primary source(s) of data collection: CLIMB-131 (NCT04208529)

Secondary source(s) of data collection: PASS Study with data collected in the European Society for Blood and Marrow Transplantation (EBMT) registry

NICE Agreement Manager	[REDACTED]
NHSE Agreement Manager	[REDACTED]
Vertex Agreement Manager	[REDACTED]

1 Purpose of data collection arrangement

- 1.1 The purpose of the agreement is to describe the arrangements and responsibilities for further data collection for exagamglogene autotemcel (exa-cel) for treating transfusion-dependent beta-thalassaemia (TA1003). A positive recommendation within the context of a managed access agreement (MAA) has been decided by the appraisal committee.

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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2 Commencement and period of agreement

- 2.1 This data collection arrangement shall take effect on publication of the MAA.
- 2.2 Estimated dates for data collection, reporting and submission for a guidance update are as below:

Table 1

End of data collection (primary source)	██████
Data available for development of company submission	██████
Anticipated company submission to NICE for a guidance update	June 2028

- 2.1 Vertex anticipates the results from the additional data collected during the Innovative Medicines Fund period will be incorporated into an evidence submission and the updated economic model by June 2028. Vertex anticipates that a period of time will be required after data availability to allow for data cleaning, verification, analysis and incorporation into the updated economic model for the evidence submission.
- 2.2 Vertex acknowledge their responsibility to adhere as closely as possible to the timelines presented in this document.
- 2.3 NICE will, as far as is practicable, schedule the guidance update into the technology appraisal work programme to align with the estimated dates for the end of data collection.

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

- 2.4 The NICE guidance update will follow the process and methods applicable to guidance updates that are in place at the time the invitation to participate in the guidance update is issued. These may be different from the process and methods applicable to guidance updates when this technology entered into the managed access agreement.
- 2.5 As part of the managed access agreement, the technology will continue to be available through the Innovative Medicines Fund after the end of data collection and while the guidance is being updated. This assumes that the data collection period ends as planned and the guidance update follows the standard timelines.
- 2.6 The company is responsible for paying all associated charges for a guidance update. Note that this includes the 'change fee' if the Company does not provide sufficient notice to NICE regarding changes to the evaluation timelines. Please refer to the [NICE website and Charging Procedure](#) for further information.
- 2.7 The company must inform NICE and NHS England (NHSE) in writing of any anticipated changes to the estimated dates for data collection and reporting at the earliest opportunity.
- 2.8 Any changes to the terms or duration of any part of the data collection arrangement must be approved by NICE and NHSE.
- 2.9 If data collection is anticipated to conclude earlier than the estimated dates for data collection, for example due to earlier than anticipated reporting of an ongoing clinical trial, the company should note:

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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- Where capacity allows, NICE will explore options to reschedule the guidance update date to align with the earlier reporting timelines.
- It may be necessary to amend the content of the final real-world data report (for example if planned outputs will no longer provide meaningful data).

2.10 If data collection is anticipated to conclude later than the estimated dates for data collection, the company should note:

- The company must submit a written request to NICE and NHSE, with details of the extension requested, including an explanation of the factors contributing to the request.
- It may be necessary for the company to mitigate the impact of any delay, and reduce any risks of further delays.

2.11 Vertex acknowledge their responsibility to provide an evidence submission for this technology to NICE under all circumstances following a period of managed access. This evidence submission should contain all data laid out in this document. Note: Vertex have agreed to be responsible for providing these data collected by EBMT as part of the post-authorisation safety study (PASS).

2.12 In the event that Vertex do not make a submission to NICE for the purpose of updating the guidance, NICE and NHSE will require the company to agree to submit the clinical evidence collected during the managed access period, and to participate in an engagement meeting convened by NICE with attendance from NHSE, patient and professional group stakeholders, with the company presenting the clinical evidence collected during the

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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managed access period and an explanation of the decision to proceed with withdrawal of the guidance.

2.13 NICE and NHSE may consider the data collection arrangement no longer valid, and withdraw the technology from the Innovative Medicines Fund for the following, non-exhaustive, grounds:

- The primary sources of data are delayed, without reasonable justification.
- The primary sources of data are unlikely to report outcome data that could resolve the uncertainties identified by the technology appraisal committee.
- Amendments are made to the marketing authorisation.

3 Monitoring arrangements

3.1 NICE will convene a Managed Access Oversight Group (MAOG) with mandatory attendance from NICE, NHSE and Vertex. Other parties may be invited to attend the MAOG, such as the relevant registry, patient groups and advocates, clinical experts and other relevant parties.

3.2 The MAOG exists to oversee the operation of all aspects of the MAA and to address issues that may arise throughout the MAA term. The MAOG is responsible for monitoring the implementation of the MAA and for recommending actions to support its operation and will meet regularly throughout the data collection period.

3.3 A detailed description of the MAOG function will be available in a Terms of Reference document produced by NICE.

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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4 Patient eligibility

4.1 Key patient eligibility criteria for the use of exa-cel in the Innovative Medicines Fund include:

- The patient is 16 years and older, being treated in an adult service, and the centre is commissioned to deliver this treatment OR the patient is 12-18 years old at the point of referral to the panel for approval, is being treated within a paediatric service, and the centre is commissioned to deliver treatment in this age group.
- The patient has transfusion-dependent beta-thalassaemia (diagnosis confirmed by DNA technology) and is suitable for haematopoietic stem cell transplant but a human leukocyte antigen (HLA)-matched related haematopoietic stem cell donor is not available.
- The patient has not received a prior allogeneic or autologous haematopoietic stem cell transplant.
- Approval has been obtained from the National Haemoglobinopathy Panel.
- The patient has had initial leukapheresis OR the patient has required a subsequent cell collection OR the patient has required a 3rd cell collection.
- Use is in accordance with the SmPC and the managed access agreement, as detailed in NICE TA1003.
- The required data will be collected as per the managed access agreement.

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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4.2 The estimated patient numbers per year for this technology within the Innovative Medicines Fund are:

Table 2

As estimated by the company	Year 1: █ Year 2: █ Year 3: █ Year 4: █ Year 5: █
As estimated by NICE Resource Impact Assessment team	Year 1: █ Year 2: █ Year 3: █ Year 4: █ Year 5: █

5 Patient safety

5.1 The company and NHSE have responsibility to monitor the safety profile of the technology and must provide an overview of any new or updated safety concerns to NICE. If any new safety concerns are confirmed, NICE and NHSE will take steps, as appropriate, to mitigate the risk including but not limited to updating the eligibility criteria or recommending that the managed access agreement be suspended.

5.2 The company, and clinical MAOG members if applicable, have a responsibility to report any suspected unexpected serious adverse reactions (SUSARs) to the MAOG. The MAOG will assess any SUSARs and if there are safety concerns will take steps, as appropriate, to mitigate the risk including but not limited to updating the eligibility criteria or recommending that the managed access be suspended.

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
 Issue date: September 2024

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6 Area(s) of clinical uncertainty

6.1 The appraisal committee identified six main areas of uncertainty, one of those being the applicability of the non-reference discount rate for which the appraisal committee identified two criteria to be addressed through a managed access period. All uncertainties are discussed below.

- **Uncertainties related to application of non-reference discount rate** (1.5% for costs & outcomes):

The appraisal committee accepted that it is plausible for exa-cel to qualify for the non-reference discount rate in the treatment of transfusion-dependent beta-thalassaemia (TDT), subject to resolving uncertainty in two main criteria:

- a) Returning patients to full or near-full health
- b) Durability of the treatment effect of exa-cel (relapse rate)

Data that could address these uncertainties, and additional areas described below, will be collected as part of the MAA. The DCA includes the clinical criteria that can be used to determine if the uncertainties that impact the discount rate are addressed. These have been included on the basis that the original appraisal committee accepted the plausibility of the non-reference case discount rate (1.5%) to be applicable to exa-cel in the treatment of TDT.

At the end of data collection, the future appraisal committee will decide on whether the data collected and presented in Vertex's submission, and guidance provided by NICE team

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

and clinical experts, has adequately addressed the uncertainty in the optimistic scenario and the question of whether the non-reference rate discount rate (1.5%) will apply to costs and outcomes.

a) Returning patients to full or near-full health

The following definition* from CLIMB-131 will be used in addition to other evidence provided to determine whether this uncertainty has been resolved:

*Note this is not an exhaustive list.

- ≥82% patients achieve transfusion independence (TI12), defined as:
 - Weighted average haemoglobin (Hb) ≥9 g/dL
 - No Red Blood Cell Transfusions (RBCT) for at least 12 consecutive months at any time after infusion

b) Durability of the treatment effect of exa-cel (relapse rate)

The following definition* from CLIMB-131 will be used in addition to other evidence provided to determine whether this uncertainty has been resolved:

*Note this is not an exhaustive list.

- Among patients achieving transfusion independence, continued reductions in number

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

of RBCTs of at least 90% vs baseline for 36 months after last RBCT

- **Utility values for exa-cel and standard care** for the transfusion-dependent and transfusion-reduced health states
- **Rates of complications for exa-cel and standard care**
- **Number of RBCT per year for standard care**
- **Number of exa-cel withdrawals** before the transfusion is given
- **Mortality and life expectancy for exa-cel and standard care.**

6.2 The appraisal committee expect further data collection will allow for a new model to be developed, see comments in FDG section 3.6, which will be presented when the guidance is updated.

6.3 The appraisal committee concluded that further data collection within the Innovative Medicines Fund could resolve these uncertainties. For further details of the appraisal committee’s discussion see section 3 of the Final Appraisal Document.

7 Sources of data collection

Primary and secondary sources of data collection

Table 3

Primary source(s)	○ CLIMB-131 clinical trial
Secondary sources	○ CLIMB THAL-111

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

	<ul style="list-style-type: none"> ○ Post-Authorization Safety Study (PASS) for exa-cel via EBMT registry ○ Vertex Connects™ ○ NHSE Prior Approval System data (Note NHSE currently uses the Blueteq® system)
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Description of sources

- 7.1 CLIMB-131 is a long-term follow-up study of people with beta-thalassaemia treated with autologous CRISPR-Cas9 modified haematopoietic stem cells. It includes people ages 12-35 years who received exa-cel in the parent study CLIMB THAL-111.
- 7.2 The PASS is a regulatory commitment to evaluate the long-term safety and effectiveness of patients with transfusion dependent thalassaemia treated with exa-cel. Data will be collected in the EBMT patient registry.
- 7.3 Vertex Connects™ is a secure order management portal used to facilitate steps throughout the exa-cel order management process for Authorised Treatment Centre (ATC) staff.
- 7.4 NHSE’s Prior Approval System database captures the Innovative Medicines Fund population. The system currently used by NHS England is Blueteq®. The lawfulness of this processing is covered under article 6(1)e of the United Kingdom General Data Protection Regulations (GDPR) (processing is necessary for the performance of a task carried out in the public interest or in the exercise of official authority vested in the controller). NHSE does have statutory authority to process confidential patient information (without prior patient consent) afforded through the National Disease Registration Service (NDRS) Directions 2021 issued to it

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

by the Secretary of State for Health and Social Care, and has issued the NDRS Data Provision Notice under section 259 of the Health and Social Care Act 2012 regarding collection of the Prior Approval System data from NHSE.

8 Outcome data

Clinical trial

8.1 The following outcomes are measured in CLIMB-131:

- New malignancies
- New or worsening haematologic disorders
- All-cause mortality
- Serious adverse events (SAEs)
- Exa-cel-related adverse events (AEs)
- Hb concentration; total Hb and fetal haemoglobin (HbF)
- Proportion of alleles with intended genetic modification present in peripheral blood and CD34+ cells of the bone marrow
- Change from baseline Patient Reported Outcomes (PROs)
- Proportion of patients who achieved transfusion independence at 6 and 12 months post-treatment, and for the latter the duration of being transfusion-free while maintaining weighted Hb ≥ 9 g/dL
- For people who did not achieve transfusion independence:

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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- Relative reduction from baseline in annualised volume of RBCT
- Achieved at least 95%, 90%, 85%, 75%, and 50% reduction from baseline in annualised volume of RBCT
- Absolute and relative monthly reduction from baseline in volume/units/episodes of RBCT
- Change from baseline in iron overload parameters, including liver iron concentration (LIC) and cardiac iron concentration (CIC) and serum ferritin level
- Proportion of patients receiving iron chelation therapy

Other data

8.2

The PASS will utilise the EBMT registry. The EBMT requests from all member centres that all patients undergoing an HCT, treatment for aplastic anaemia, or any type of cellular therapy be registered in the EBMT Registry. The EBMT Registry Data Collection Forms aid the collection of all the data that is required to be submitted to the EBMT Registry and receives data from approx. 80% of EU European transplant centres. To ensure the data entered into the database is complete, correct, accurate, allowable, valid, and consistent, a number of data quality edit checks and reviews are implemented. There are six ATCs being established in England for the provision of exa-cel. These centres are all EBMT members and would therefore routinely submit data to the EBMT Registry. The PASS will collect the following outcomes:

- Primary disease diagnosis

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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- Exposure, such as the date of the haematopoietic stem cell transplantation, and whether this was autologous with exa-cel or an allogeneic transplantation
- Safety outcomes, such as neutrophil recovery, platelet recovery, new malignancy, new or worsening haematologic disorder, mortality and mortality cause
- Effectiveness outcomes, such as RBCT, primary disease severity measures, haemoglobin measures, iron concentration measures, disease-related end-organ damage/dysfunction and iron overload management
- Additional variables, such as demographics, health status, mobilisation and conditioning regimen, transplant-related complication, and disease-related therapies are also recorded.

8.3 The PASS will act as a confirmatory study and validation of the data gathered in CLIMB-131. The PASS will report real world data, including that from the UK.

[REDACTED]

[REDACTED] This will

help to resolve clinical uncertainty around number of RBCT per year for standard care.

8.4 Vertex Connects™ is a secure order management portal used to facilitate steps throughout the exa-cel order management process for ATC staff. Vertex Connects™ tracks all the constituent actions required for each step of the order process following patient identification and evaluation: pre-mobilisation; mobilisation & collection of cells; drug product manufacturing and quality;

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia

Issue date: September 2024

conditioning, administration and engraftment. This enables further data collection on the number of people who may start the treatment process of exa-cel but do not receive the infusion.

8.5 NHSE's Prior Approval System will collect the following outcomes:

- Number of applications to start treatment
- Baseline patient characteristics

9 Data analysis plan

Clinical trials

9.1 Primary endpoints of CLIMB-131 will be assessed up to 15 years after exa-cel infusion (unless otherwise):

- New malignancies
- New or worsening haematologic disorders
- All-cause mortality
- All SAEs occurring up to 5 years after exa-cel infusion
- Exa-cel related AEs and SAEs

9.2 All secondary endpoints will be assessed up to 15 years from infusion of exa-cel with the exception of LIC, CIC, and PROs (including Pain Scales) which will be assessed for up to 5 years after infusion.

- Total Hb and HbF concentrations will be summarised as continuous variables over time.

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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- Proportion of alleles with intended genetic modification present in peripheral blood will be summarised as a continuous variable over time.
- Change from baseline in PROs will be summarised as continuous variables over time in patients ≥ 18 years of age using:
 - EuroQol Questionnaire – 5 dimensions – 5 levels of severity (EQ-5D-5L)
 - Functional assessment of cancer therapy bone marrow transplant (FACT-BMT)
- Change from baseline in PROs will be summarised as continuous variables over time in patients < 18 years of age using:
 - EuroQol Questionnaire – 5 dimensions – youth (EQ-5D-Y; self-complete and proxy versions based on age)
 - Paediatric Quality of Life Inventory (PedsQL) Core (self-complete and proxy versions based on age)

9.3 The proportion of patients achieving T112 will be provided, with one-sided *P* value (against a null hypothesis of 50% response rate) and two-sided 95% exact Clopper-Pearson Confidence Interval (CI). The derivation of the patients achieving T112 is the same as the parent study. Patients who continuously receive RBCT for more than 12 months will be considered delayed T112

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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responders if they have a subsequent 14-month transfusion free period and meet the Hb requirements.

- 9.4 Proportion of patients who have not achieved T112 in parent study and long-term follow-up study but have achieved at least 95%, 90%, 85%, 75%, 50% reduction from baseline in annualised RBCT starting Month 10 post exa-cel infusion will be provided. Baseline annualised RBCT will be calculated using records of TDT-related RBCT during the 2 years prior to signing an Informed Consent Form (ICF) or the latest rescreening. For post-baseline, only transfusions adjudicated by the Endpoint Adjudication committee (EAC) as post-transplant support or TDT disease management will be included. If the RBCT has missing volume/unit/weight, the missing data will be imputed as described in the parent study.
- 9.5 Duration of transfusion free while maintaining weighted Hb \geq 9g/dL will be summarised as a continuous variable for patients who have achieved T112. If there are multiple transfusion free periods, the longest transfusion free period will be used in the summary. All non-overlapping T112 periods will be listed for patients who have achieved T112.
- 9.6 Relative reduction from baseline in RBCT starting Month 10 post exa-cel infusion will be summarised as a continuous variable for patients who have not achieved T112 in parent study and long-term follow-up study. Baseline annualised RBCT will be calculated using records of TDT-related RBCT during the 2 years prior signing ICF or the latest rescreening. For post-baseline, only transfusions adjudicated by EAC as post-transplant support or TDT disease management will be included. If the RBCT has

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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missing volume/unit/weight, the missing data will be imputed as described in parent study.

- 9.7 Descriptive summary of absolute and relative monthly reduction from baseline in volume/units/episodes of RBCT will be provided starting after exa-cel infusion.
- 9.8 Iron overload as measured by LIC, CIC, and ferritin will be summarised as continuous variables over time.
- 9.9 Proportion of patients receiving iron chelation therapy will be summarised over time.
- 9.10 CLIMB-131: Subgroup analyses will be performed by age (at CLIMB THAL-111 screening), genotype, country of transplant, sex, race. All efficacy analyses will be performed on respective full analysis sets (FAS) populations unless specified otherwise.
- 9.11 The following milestones have been pre-specified in the protocol. In addition to these milestones, data-cuts are planned on a yearly basis to inform monitoring of trial participants. Vertex will use data from the latest data-cut available by Q1 2028 to inform the MAA and the submission preparation. The latest data-cut available by Q1 2028 is expected to be between end of 2027 – early 2028.

Table 4

Milestone	Data included	Planned date
[REDACTED]	[REDACTED] [REDACTED]	[REDACTED]

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

*Not pre-specified in the protocol

Data collected in clinical practice

- 9.12 The PASS is a regulatory commitment to evaluate the long-term [REDACTED] safety and effectiveness of patients with transfusion dependent thalassaemia treated with exa-cel. Data will be analysed by the EBMT registry at pre-specified timepoints over the study duration. The results of the interim and final analyses will be presented in interim and final study reports.
- 9.13 Vertex will develop a full protocol and statistical analysis plan to be reviewed by the relevant regulatory authorities. Once finalised, these can be shared with the Managed Access Oversight Group (MAOG).
- 9.14 The EBMT will be responsible for analysing the data collected within clinical practice and producing the corresponding reports, which will be delivered to Vertex. The reports produced will include anonymised, aggregated summary data. Progress reports and interim analysis reports according to Table 5 will be produced and shared with all members of the MAOG in advance of the NICE update of the guidance.

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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9.15 Descriptive statistics will be presented for all study outcomes

- Continuous variables will be summarised using the following descriptive summary statistics, where appropriate: the number of observations, mean, standard deviation, 95% CI, median, minimum value, maximum value, and 25th and 75th percentile values.
- Categorical variables will be summarised using counts, percentages, and 95% CIs, as appropriate.
- Additional ad-hoc statistical analyses may be implemented, as needed – this may include modelling to adjust for differences in cohort characteristics in between-cohort analyses and/or time to event analyses for select outcomes.
- Subgroup analyses will be performed by age group, genotype and/or patient characteristics, as appropriate. Subgroup analyses by country of transplant may be performed if sufficient patient counts are available to preserve patient anonymity.
- Safety and effectiveness analysis outcomes respectively will be evaluated at each time point of the post-transplant period. Analyses will be performed overall and in subgroups by patient age group, genotype and / or other category, as appropriate and if sufficient data are available.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

- [Redacted]
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NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

[Redacted]

- [Redacted]

9.16 [Redacted]

Table 5

[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]
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[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]

9.17 Vertex will be responsible for the development of a detailed data analysis plan within 6 months following the agreement of final NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

protocol from the PASS, for review by the Managed Access Oversight Group (MAOG). Note this is expected to be no more than 9 months after the commencement of the MAA. This will detail the analyses that will be presented within the interim and final reports, the methodologies used, and the schedule of delivery.

9.18 At the end of the data collection period a final report will be produced and shared with all members of the MAOG in advance of the NICE update of the guidance.

9.19 Data collected in clinical practice is a secondary source of data. The availability of the final report will be aligned to the availability of data from the primary source, and data collection in clinical practice will end at a date that will allow for NHS trusts to upload data, data cleaning, data analysis, and report production.

10 Ownership of the data

10.1 For all clinical trial data listed above, Vertex will be the owner. For Vertex Connects™ and data obtained via Vertex Connects™, Vertex will be the owner.

10.2 To ensure the data entered into the EBMT database for the PASS is complete, correct, accurate, allowable, valid, and consistent, a series of system-generated, automated and manual data quality edit checks will be implemented where applicable, as well as medical review by the EBMT medical officer.

10.3 Study specific data retrieval is a verified process carried out by the qualified data managers and enabled by qualified information

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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technology specialists. After data are extracted for a study-specific need, the datasets undergo an analyses dataset preparation process, which includes data verification and study data file preparation by qualified and experienced EBMT personnel.

- 10.4 The study data file preparation takes place in order to enable data analytics on the EBMT Registry collected data, study statistical analyses, site management, and study management.
- 10.5 Vertex will be responsible for ensuring they have permission to share the reports resulting from the PASS (provided by EBMT), including non-patient identifiable data and analysis as part of their submission for the guidance update. EBMT will own this data, and details concerning what personal data EBMT collects from patients, how it is collected and stored and the purposes for which it is used can be found here <https://www.ebmt.org/registry/ebmt-data-protection-privacy>.
- 10.6 The Prior Approval System (Blueteq®) Innovative Medicines Fund data is owned by NHSE. NHSE is responsible for implementing Prior Approval System data collection and generally for the analysis of these data. The lawfulness of this processing is covered under article 6(1)e of the United Kingdom General Data Protection Regulations (UK GDPR) (processing is necessary for the performance of a task carried out in the public interest or in the exercise of official authority vested in the controller). NHSE does have statutory authority to process confidential patient information (without prior patient consent) afforded through the National Disease Registries (NDRS) Directions 2021 issued to it by the Secretary of State for Health and Social Care. The

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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lawfulness of NHSE’s processing is covered under article 6(1)(c) of the UK GDPR – processing is necessary for compliance with a legal obligation to which the controller is subject (the NDRS Directions).

11 Publication

- 11.1 At the end of the data collection period a final report will be produced and shared with all members of the MAOG in advance of the NICE update of guidance. Data and analyses contained within the final report will be available to use as part of an evidence submission to NICE as part of the guidance update.
- 11.2 The final report will also form part of NHSE’s submission to the guidance update. The final report will therefore be publicly available during the guidance update.
- 11.3 Publications regarding the implementation or managed access process are permitted as long as no data collected in clinical practice is included (e.g. patient leaflets, NICE presentations about operational aspects of MAAs).
- 11.4 Any draft abstracts or manuscripts related to this DCA must either:
- Be shared with the MAOG
 - Use data that has been shared with the MAOG

Prior to submission to conferences, journals or any other publicly available site.

NICE Technology Appraisal Programme: Innovative Medicines Fund

Data collection arrangement for the single technology appraisal of exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia
Issue date: September 2024

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- 11.5 The contribution of all relevant individuals must be acknowledged in any publications related to this DCA. Authors will need to contact the NICE Managed Access Team for the full list of relevant individuals.

12 Funding for data collection and analysis

- 12.1 Vertex will be required to pay direct and associated costs for:
- Collection and entry of data into the specified databases.
 - Database management – including data processing and quality assurance.
 - All costs related to the production of interim and final analyses and reports.
 - Costs associated with accessing and linking data to other sources (if applicable).
 - Any other costs identified that are relevant to data collection and analysis associated with the uncertainties identified by the NICE appraisal committee.
- 12.2 Vertex is responsible for agreeing and documenting a separate agreement concerning the above direct and associated costs.
- 12.3 Vertex is required to provide the MAOG assurance that all separate agreements concerning the above direct and associated costs have been agreed. The relevant terms of these agreements should be presented to the MAOG for review within 9 months of the publication of the MAA.

NICE Technology Appraisal Programme: Innovative Medicines Fund

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Issue date: September 2024

13 Data protection

- 13.1 Patient data collected as part of this Data Collection Arrangement will be managed in accordance with all applicable data protection legislation, including but not limited to the Data Protection Act 2018 and the UK General Data Protection Regulation.
- 13.2 The terms of the Managed Access Agreement relating to data protection, as apply between NHSE and Vertex, shall also apply between the parties to this Data Collection Arrangement in relation to the performance of their obligations under this Data Collection Arrangement.

14 Equality considerations

- 14.1 Do you think there are any equality issues raised in data collection?

Yes No

- 14.2 Vertex highlights patients in England with TDT are disproportionately represented in ethnic minority groups and lower socioeconomic communities which may impact willingness to be part of managed access. In the event of a managed access recommendation the NICE managed access team would proactively engage with patient groups during the managed access period to minimise any barriers to access due to data collection.

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Commercial Access Agreement

**Exagamglogene autotemcel for treating transfusion-
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