

Integrated Impact Assessment Report for Clinical Commissioning Policies

Policy Reference Number	ID014		
Policy Title	Emicizumab as prophylaxis in people with congenital haemophilia A without factor VIII inhibitors (all ages) Proposal <u>for routine commission</u> (ref A3.1)		
Lead Commissioner	William Horsley	Clinical Lead	P Chowdary
Finance Lead	Craig Charlton	Analytical Lead	

Integrated Impact Assessment – Index

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About this Impact Assessment: instructions for completion and explanatory notes

- Each section is divided into themes.
- Each theme sets out a number of questions.
- All questions are answered by selecting a drop down option or including free text.
- Free text boxes are provided to enable succinct relevant commentary to be added which explains the rationale for response or assumption. Please limit responses to 3 sentences of explanatory text.
- Data in this document is either drawn from one of the relevant policy documents or a source for the information is provided.
- Where assumptions are included where data is not available, this is specified.

Section A - Activity Impact

A1 Current Patient Population & Demography / Growth

A1.1 Prevalence of the disease/condition.

The [UK National Haemophilia Database Bleeding Disorder Statistics for April 2016 to March 2017](#) reports that there are 6,478 people in the UK with mild, moderate or severe forms of haemophilia A (not including low-level carriers; factor VIII level ≥ 40 IU/dL). For England only, 5,205 people do not have inhibitors to factor VIII. Of these people 1,419 have severe haemophilia. The eligible patient population for emicizumab in England is considered to be equivalent to the patients with severe haemophilia A without current inhibitors. **See section A1.2**
Source: Policy Proposition section 6

A1.2 Number of patients currently eligible for the treatment according to the proposed policy commissioning criteria.

1,419
Source: UK National Haemophilia Database 2017/18

Regimen	Severe
Prophylaxis	1,382
On-demand	37
Total	1,419

Most but not quite all severe patients are treated with a prophylaxis regimen. The availability of emicizumab could have an impact on prophylaxis rates by encouraging or enabling more patients to adopt a prophylaxis regimen although clinical advice is that this may have, at best, only a small impact on treatment numbers if at all.

A1.3 Age group for which the treatment is proposed according to the policy commissioning criteria.

All ages
 Please specify
 Emicizumab will be routinely commissioned as prophylaxis for adults and children with severe congenital haemophilia A (defined as factor VIII level

	<1 IU/dL, or <1% of normal) without current inhibitors to prevent bleeding episodes.								
A1.4 Age distribution of the patient population eligible according to the proposed policy commissioning criteria	Not applicable								
A1.5 How is the population currently distributed geographically?	<p><u>Unevenly</u> If unevenly, estimate regional distribution by %:</p> <table border="1"> <tr> <td>North</td> <td>23%</td> </tr> <tr> <td>Midlands & East</td> <td>17%</td> </tr> <tr> <td>London</td> <td>40%</td> </tr> <tr> <td>South</td> <td>20%</td> </tr> </table> <p>Source Please specify <i>UK National Haemophilia Database 2017</i></p>	North	23%	Midlands & East	17%	London	40%	South	20%
North	23%								
Midlands & East	17%								
London	40%								
South	20%								
A2 Future Patient Population & Demography									
A2.1 Projected changes in the disease/condition epidemiology, such as incidence or prevalence (prior to applying the new policy) in 2, 5, and 10 years?	<p><u>Constant</u> <i>No known factors other than demographic growth in patient population identified.</i></p> <p>A large proportion of the growth in UK haemophilia patient numbers over the last decade has been attributed to net inward migration from the EU. (ref UKHCDO) We have modelled the same rate of growth for the next ten years, although one could reasonably expect that this will slow or diminish.</p> <p>Source: <i>Clinical Evidence Review, Policy Working Group</i></p>								

<p>A2.2 Are there likely to be changes in demography of the patient population and would this impact on activity/outcomes?</p>	<p>No <i>Source: Policy Proposition section 6/other</i></p>										
<p>A2.3 Expected net increase or decrease in the number of patients who will be eligible for the service, according to the proposed service specification commissioning criteria, per year in years 2-5 and 10?</p> <p>Are these numbers in line with ONS growth assumptions for the age specific population? If not please justify the growth assumptions made.</p>	<p>Cumulative growth</p> <table border="1" data-bbox="1086 311 1594 582"> <tr> <td>YR2 +/-</td> <td>+19</td> </tr> <tr> <td>YR3 +/-</td> <td>+28</td> </tr> <tr> <td>YR4 +/-</td> <td>+37</td> </tr> <tr> <td>YR5 +/-</td> <td>+45</td> </tr> <tr> <td>YR10 +/-</td> <td>+83</td> </tr> </table> <p><i>Source: Service specification proposition section 3.1</i></p> <p>No We have used historical trends from the National Haemophilia Database</p>	YR2 +/-	+19	YR3 +/-	+28	YR4 +/-	+37	YR5 +/-	+45	YR10 +/-	+83
YR2 +/-	+19										
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YR4 +/-	+37										
YR5 +/-	+45										
YR10 +/-	+83										
<p>A3 Activity</p>											
<p>A3.1 What is the purpose of new policy?</p>	<p><u>Confirm routine commissioning position of an additional new treatment</u></p> <p>The purpose of the new policy is to routinely commission emicizumab as prophylaxis in people with congenital haemophilia A without factor VIII inhibitors to prevent bleeding episodes where the patient has severe haemophilia A (defined as factor VIII level <1 IU/dL, or <1% of normal) in line with the United Kingdom Haemophilia Centre Doctors' Organisation (UKHCDO) guideline which state that prophylaxis should be commenced once a person has had 1 joint bleed; or 1 significant soft tissue bleed</p>										

<p>A3.2 What is the annual activity associated with the existing pathway for the eligible population?</p>	<p>1,419 <i>Source:</i> United Kingdom Haemophilia Centre Doctors' Organisation (UKHCDO) Please specify These are people with severe haemophilia A without inhibitors registered with the National Haemophilia Database for the full twelve months period starting April 2017 -31 March 2018 and issued with FVIII at least once within that period either prophylaxis or on-demand.</p>
<p>A3.3 What is the estimated annual activity associated with the proposed policy proposition pathway for the eligible population?</p>	<p>1,419 <i>Source</i> UK National Haemophilia Database 2017. <i>Policy Proposition section 6:</i></p>
<p>A3.4 What is the estimated annual activity associated with the next best alternative comparator pathway for the eligible population? If the only alternative is the existing pathway, please state 'not applicable' and move to A4.</p>	<p>Not applicable</p>
<p>A4 Existing Patient Pathway</p>	
<p>A4.1 Existing pathway: Describe the relevant currently routinely commissioned:</p> <ul style="list-style-type: none"> • Treatment or intervention • Patient pathway • Eligibility and/or uptake estimates. 	<p>Current treatment options for haemophilia A without inhibitors are prophylactic or episodic (on-demand) treatment with recombinant factor VIII (either standard or enhanced half-life), the choice of which is guided primarily by disease severity and bleeding history. Treatment is to replace the missing FVIII via regular IV infusions 2-4 times weekly, or less commonly with on-demand infusion as needed. However, the relatively short half-life of recombinant FVIII results in peaks and troughs of protection, with the potential for breakthrough bleeds highest during trough periods. Since 2016, enhanced half-life factor VIII has been commissioned in England although multiple IV administrations per week</p>

	(usually 2 or 3) remain typical. There are still a few patients who choose to use plasma-derived FVIII (prophylaxis or on-demand). <i>Source:</i> Policy proposition
A4.2. What are the current treatment access and stopping criteria?	<i>Source:</i> Defined by BCSH Guidelines: https://onlinelibrary.wiley.com/doi/full/10.1111/j.1365-2141.2010.08139.x
A4.3 What percentage of the total eligible population is expected to: a) Be clinically assessed for treatment b) Be considered to meet an exclusion criteria following assessment c) Choose to initiate treatment d) Comply with treatment e) Complete treatment?	If not known, please specify a) 100% b) 0% c) 100% d) 100% e) 100% <i>Source:</i> Policy Working Group
A5 Comparator (next best alternative treatment) Patient Pathway (NB: comparator/next best alternative does not refer to current pathway but to an alternative option)	
A5.1 Next best comparator: Is there another 'next best' alternative treatment which is a relevant comparator? <i>If yes, describe relevant</i> <ul style="list-style-type: none"> • <i>Treatment or intervention</i> • <i>Patient pathway</i> • <i>Actual or estimated eligibility and uptake</i> 	Yes Recombinant standard half-life and enhanced half-life factor VIII (8). A few patients still use plasma-derived FVIII.
A5.2 What percentage of the total eligible population is estimated to:	N/A

<ul style="list-style-type: none"> a) Be clinically assessed for treatment b) Be considered to meet an exclusion criteria following assessment c) Choose to initiate treatment d) Comply with treatment e) Complete treatment? 	
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A6 New Patient Pathway

<p>A6.1 What percentage of the total eligible population is expected to:</p> <ul style="list-style-type: none"> a) Be clinically assessed for treatment b) Be considered to meet an exclusion criteria following assessment c) Choose to initiate treatment d) Comply with treatment e) Complete treatment? 	<p>If not known, please specify</p> <ul style="list-style-type: none"> a) 100% b) 0% c) 100% d) 100% e) 100% <p><i>Source: Policy Working Group</i></p>
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<p>A6.2 Specify the nature and duration of the proposed new treatment or intervention.</p>	<p><u>Life long</u> Emicizumab is intended for long-term prophylactic treatment. <i>Source: Roche submission</i></p>
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A7 Treatment Setting

<p>A7.1 How is this treatment delivered to the patient?</p>	<p><i>Select all that apply:</i></p> <table border="1" data-bbox="1088 1155 1711 1334"> <tr> <td>Emergency/Urgent care attendance</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Acute Trust: inpatient</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Acute Trust: day patient</td> <td><input type="checkbox"/></td> </tr> </table>	Emergency/Urgent care attendance	<input type="checkbox"/>	Acute Trust: inpatient	<input type="checkbox"/>	Acute Trust: day patient	<input type="checkbox"/>
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Acute Trust: day patient	<input type="checkbox"/>						

	<table border="1"> <tr> <td>Acute Trust: outpatient</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Mental Health provider: inpatient</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Mental Health provider: outpatient</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Community setting</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Homecare</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Other</td> <td><input type="checkbox"/></td> </tr> </table>	Acute Trust: outpatient	<input checked="" type="checkbox"/>	Mental Health provider: inpatient	<input type="checkbox"/>	Mental Health provider: outpatient	<input type="checkbox"/>	Community setting	<input type="checkbox"/>	Homecare	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>
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Mental Health provider: outpatient	<input type="checkbox"/>												
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Homecare	<input checked="" type="checkbox"/>												
Other	<input type="checkbox"/>												
<p>A7.2 What is the current number of contracted providers for the eligible population by region?</p>	<p>Haemophilia COMPREHENSIVE Care Centres</p> <table border="1"> <tr> <td>NORTH</td> <td>7</td> </tr> <tr> <td>MIDLANDS & EAST</td> <td>5</td> </tr> <tr> <td>LONDON</td> <td>4</td> </tr> <tr> <td>SOUTH</td> <td>5</td> </tr> </table>	NORTH	7	MIDLANDS & EAST	5	LONDON	4	SOUTH	5				
NORTH	7												
MIDLANDS & EAST	5												
LONDON	4												
SOUTH	5												
<p>A7.3 Does the proposition require a change of delivery setting or capacity requirements?</p>	<p><u>Yes</u></p> <p>Treatment would be restricted, initially at least, to comprehensive care centres only – treatment and Blueteq registration will only be permitted at HCompCC’s although patients may have their routine treatment once established from their local haemophilia provider.</p> <p><i>Source: Policy Working Group.</i></p>												

A8 Coding

A8.1 Specify the datasets used to record the new patient pathway activity.

*expected to be populated for all commissioned activity

Select all that apply:

Aggregate Contract Monitoring *	<input type="checkbox"/>
Patient level contract monitoring	<input type="checkbox"/>
Patient level drugs dataset	<input type="checkbox"/>
Patient level devices dataset	<input type="checkbox"/>
Devices supply chain reconciliation dataset	<input type="checkbox"/>
Secondary Usage Service (SUS+)	<input type="checkbox"/>
Mental Health Services DataSet (MHSDS)	<input type="checkbox"/>
National Return**	<input type="checkbox"/>
Clinical Database**	<input checked="" type="checkbox"/>
Other**	<input type="checkbox"/>

**If National Return, Clinical database or other selected, please specify:
The UK National Haemophilia Database

A8.2 Specify how the activity related to the new patient pathway will be identified.

Select all that apply:

OPCS v4.8	<input type="checkbox"/>
ICD10	<input checked="" type="checkbox"/>
Treatment function code	<input type="checkbox"/>
Main Speciality code	<input type="checkbox"/>
HRG	<input type="checkbox"/>
SNOMED	<input type="checkbox"/>

	<table border="1"> <tr> <td>Clinical coding / terming methodology used by clinical profession</td> <td><input type="checkbox"/></td> </tr> </table>	Clinical coding / terming methodology used by clinical profession	<input type="checkbox"/>				
Clinical coding / terming methodology used by clinical profession	<input type="checkbox"/>						
A8.3 Identification Rules for Drugs: How are drug costs captured?	<u>Already specified in current NHS England Drugs List document</u>						
A8.4 Identification Rules for Devices: How are device costs captured?	<u>Not applicable</u>						
A8.5 Identification Rules for Activity: How are activity costs captured?	<u>Already correctly captured by an existing specialised service line (NCBPS code within the PSS Tool)</u> If activity costs are already captured please specify whether this service needs a separate code. <u>No</u>						
A9 Monitoring							
A9.1 Contracts Specify any new or revised data flow or data collection requirements, needed for inclusion in the NHS Standard Contract Information Schedule.	<u>None</u>						
A9.2 Excluded Drugs and Devices (not covered by the Zero Cost Model) For treatments which are tariff excluded drugs or devices not covered by the Zero Cost Model, specify the pharmacy or device monitoring required, for example reporting or use of prior approval systems.	<i>Select all that apply:</i> <table border="1"> <tr> <td>Drugs or Device MDS</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Blueteq</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Other prior approval</td> <td><input type="checkbox"/></td> </tr> </table>	Drugs or Device MDS	<input checked="" type="checkbox"/>	Blueteq	<input checked="" type="checkbox"/>	Other prior approval	<input type="checkbox"/>
Drugs or Device MDS	<input checked="" type="checkbox"/>						
Blueteq	<input checked="" type="checkbox"/>						
Other prior approval	<input type="checkbox"/>						

	Please specify: Blueteq is already established for Emicizumab for a different patient group.
A9.3 Business intelligence Is there potential for duplicate reporting?	<u>No</u>
A9.4 Contract monitoring Is this part of routine contract monitoring?	<u>Yes</u> If yes, please specify contract monitoring requirement: Standard processes for high-cost drugs
A9.5 Dashboard reporting Specify whether a dashboard exists for the proposed intervention?	<u>Yes</u> Haemophilia dashboard. Metric already exists concerning extent of prophylactic regimen use. There is no metric planned for this specific drug or indication.
A9.6 NICE reporting Are there any directly applicable NICE or equivalent quality standards which need to be monitored in association with the new policy?	<u>No</u>

Section B - Service Impact

B1 Service Organisation

B1.1 Describe how the service is currently organised? (i.e. tertiary centres, networked provision etc.)

Access is through nominated Haemophilia Comprehensive Care Centres only, confirmed by UKHCDO National network, plus local networks.
Source: Policy Working Group

B1.2 Will the proposition change the way the commissioned service is organised?

Yes Currently, some severe prophylaxis patients are managed entirely at some HCC's which would need to change if the patient wished to be treated with emicizumab. This is expected to impact only a small proportion of patients but is balanced by improved clinical oversight.

B1.3 Will the proposition require a new approach to the organisation of care?

No change to delivery of care

B2 Geography & Access

B2.1 Where do current referrals come from?

Select all that apply:

GP	<input type="checkbox"/>
Secondary care	<input type="checkbox"/>
Tertiary care	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

Please specify:

People will be referred from within comprehensive care centres or haemophilia centres as they will already be receiving treatment

B2.2 What impact will the new policy have on the sources of referral?

No impact

B2.3 Is the new policy likely to improve equity of access?	<u>No impact</u> <i>Source: Equalities Impact Assessment</i>
B2.4 Is the new policy likely to improve equality of access and/or outcomes?	<u>No impact</u> <i>Source: Equalities Impact Assessment</i>
B3 Implementation	
B3.1 Will commissioning or provider action be required before implementation of the proposition can occur?	<u>No action required</u>
B3.2 Time to implementation: Is a lead-in time required prior to implementation?	<u>No - go to B3.4</u>
B3.3 Time to implementation: If lead-in time is required prior to implementation, will an interim plan for implementation be required?	<u>No - go to B3.4</u>
B3.4 Is a change in provider physical infrastructure required?	<u>No</u>
B3.5 Is a change in provider staffing required?	<u>No</u>
B3.6 Are there new clinical dependency and/or adjacency requirements that would need to be in place?	<u>No</u>
B3.7 Are there changes in the support services that need to be in place?	<u>No</u>

B3.8 Is there a change in provider and/or inter-provider governance required? (e.g. ODN arrangements / prime contractor)	No																
B3.9 Is there likely to be either an increase or decrease in the number of commissioned providers? If yes, specify the current and estimated number of providers required in each region	<p>No change</p> <p>However there will be a restriction in access to a sub-group of providers (21 out of 39) with a commitment to review this position within the first 24 months of the policy. There is wide clinical support for this restriction due to the novelty of the treatment for this patient group.</p>																
B3.10 Specify how revised provision will be secured by NHS England as the responsible commissioner.	<p><i>Select all that apply:</i></p> <table border="1" data-bbox="1086 539 2000 1075"> <tr> <td>Publication and notification of new policy</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Market intervention required</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Competitive selection process to secure increase or decrease provider configuration</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Price-based selection process to maximise cost effectiveness</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Any qualified provider</td> <td><input type="checkbox"/></td> </tr> <tr> <td>National Commercial Agreements e.g. drugs, devices</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Procurement</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Other</td> <td><input checked="" type="checkbox"/></td> </tr> </table> <p>Please specify: Through restricted availability of Blueteq prior approval funding request forms.</p>	Publication and notification of new policy	<input checked="" type="checkbox"/>	Market intervention required	<input type="checkbox"/>	Competitive selection process to secure increase or decrease provider configuration	<input type="checkbox"/>	Price-based selection process to maximise cost effectiveness	<input type="checkbox"/>	Any qualified provider	<input type="checkbox"/>	National Commercial Agreements e.g. drugs, devices	<input type="checkbox"/>	Procurement	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>
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Procurement	<input type="checkbox"/>																
Other	<input checked="" type="checkbox"/>																
B4 Place-based Commissioning																	

B4.1 Is this service currently subject to, or planned for, place-based commissioning arrangements? (e.g. future CCG lead, devolved commissioning arrangements, STPs)

No

Section C - Finance Impact

C1 Tariff/Pricing

C1.1 How is the service contracted and/or charged?
Only specify for the relevant section of the patient pathway

Select all that apply:

Drugs	Not separately charged – part of local or national tariffs	<input type="checkbox"/>
	Excluded from tariff – pass through	<input checked="" type="checkbox"/>
	Excluded from tariff - other	<input type="checkbox"/>
Devices	Not separately charged – part of local or national tariffs	<input type="checkbox"/>
	Excluded from tariff (excluding ZCM) – pass through	<input type="checkbox"/>
	Excluded from tariff (excluding ZCM) – other	<input type="checkbox"/>
	Via Zero Cost Model	<input type="checkbox"/>
Activity	Paid entirely by National Tariffs	<input type="checkbox"/>
	Paid entirely by Local Tariffs	<input type="checkbox"/>
	Partially paid by National Tariffs	<input type="checkbox"/>
	Partially paid by Local Tariffs	<input type="checkbox"/>
	Part/fully paid under a Block arrangement	<input type="checkbox"/>
	Part/fully paid under Pass-Through arrangements	<input type="checkbox"/>
	Part/fully paid under Other arrangements	<input type="checkbox"/>

<p>C1.2 Drug Costs</p> <p>Where not included in national or local tariffs, list each drug or combination, dosage, quantity, list price including VAT if applicable and any other key information e.g. Chemotherapy Regime.</p> <p>NB discounted prices or local prices must not be included as these are subject to commercial confidentiality and must not be disclosed.</p>	<p>Emicizumab has not yet been granted marketing authorisation in the UK for people with haemophilia A without inhibitors. However, it was approved by the EMA on 23 February 2018: Hemlibra is indicated for routine prophylaxis of bleeding episodes in patients with haemophilia A with factor VIII inhibitors. Hemlibra can be used in all age groups.</p> <p>List prices are as follows: 30 mg / 1 mL SC = £2,415.30 60 mg / 0.4 mL SC = £4,830.60 105 mg / 0.7 mL SC = £8,453.55 150 mg / 1 mL SC = £12,076.50</p> <p>For budget impact purposes, the list price has been used. This can be amended in the model (cells D13 in the supporting worksheet, - unit costs worksheet) and will carry through the model.</p> <p>The annual treatment cost per patient for factor VIII prophylaxis and on-demand regimens are based on list prices. See resource impact template, supporting info – unit costs sheet for more details.</p>
<p>C1.3 Device Costs</p> <p>Where not included in national or local tariff, list each element of the excluded device, quantity, list or expected price including VAT if applicable and any other key information.</p> <p>NB: Discounted prices or local prices must not be included as these are subject to commercial confidentiality and must not be disclosed.</p>	<p>Not applicable</p>
<p>C1.4 Activity Costs covered by National Tariffs</p> <p>List all the HRG codes, HRG descriptions, national tariffs (excluding MFF), volume and other key costs (e.g. specialist top up %)</p>	<p>Outpatient activity can be identified by activity under the treatment function code of 303 (Clinical Haematology) or 420 (Paediatrics). There is also a national tariff (2018/19) top up for specialist services for haemophilia and other related blood disorders (NCBPS03Z) of 30.6% and</p>

	for specialist haematology services for children (NCBPS23H) of 20.2%. See NHS Commissioning Board Manual for Prescribed Specialised Services 2018/19 .		
C1.5 Activity Costs covered by Local Tariff List all the HRGs (if applicable), HRG or local description, estimated average tariff, volume and any other key costs. Also indicate whether the Local Tariff(s) is/are newly proposed or established and if newly proposed how it has been derived, validated and tested.	Not applicable		
C1.6 Other Activity Costs not covered by National or Local Tariff Include descriptions and estimates of all key costs.	Not applicable		
C1.7 Are there any prior approval mechanisms required either during implementation or permanently?	No Emicizumab is likely to be used to ensure only patients who meet the commissioning criteria as set out in the final policy are treated.		
C2 Average Cost per Patient			
C2.1 What is the estimated cost per patient to NHS England, in years 1-5, including follow-up where required?	This is the cost per severe Haem A patient per annum which reflects an increasing proportion of patients being treated with emicizumab. The increase over time is due to the higher cost of Emicizumab compared with the current standard of care (rFVIII); as emicizumab replaces the lower cost rFVIII so the overall average cost per patient increases, even though the cost per emicizumab patient, and the cost per rFVIII patient, are not by themselves increasing. <table border="1" data-bbox="1086 1321 1597 1377"> <tr> <td>YR1</td> <td>140,610</td> </tr> </table>	YR1	140,610
YR1	140,610		

YR2	186,184
YR3	188,093
YR4	189,461
YR5	190,500

No:
 The cost per patient is expected to be steady from year 5 – year 10 reflecting emicizumab treatment saturation at the end of year 5.
 All products used to treat haemophilia are subject to confidential UK wide tenders and as such contract prices paid by the NHS are usually lower than list price. As a result the true annual cost per patient and the net budget impact may be considerably different to that currently demonstrated.

Are there any changes expected in year 6-10 which would impact the model?

C3 Overall Cost Impact of this Policy to NHS England

C3.1 Specify the budget impact of the proposal on NHS England in relation to the relevant pathway.

Cost pressure:
 Year 1 £60.2m
 Year 2 £100.4m
 Year 3 £122.5m
 Year 4 £144.8m
 Year 5 £167.4m

All products used to treat haemophilia are subject to confidential UK wide tenders and as such contract prices paid by the NHS are usually lower than list price. As a result the true annual cost per patient and the net budget impact may be considerably different to that currently demonstrated.

C3.2 If the budget impact on NHS England cannot be identified set out the reasons why this cannot be measured.	Not applicable
C3.3 If the activity is subject to a change of commissioning responsibility, from CCG to NHS England, has a methodology for the transfer of funds been identified, and calculated?	Not applicable
C4 Overall cost impact of this policy to the NHS as a whole	
C4.1 Specify the budget impact of the proposal on other parts of the NHS.	Budget impact for CCGs: <u>No impact on CCGs</u> Budget impact for providers: <u>No impact on providers</u>
C4.2 Taking into account responses to C3.1 and C4.1, specify the budget impact to the NHS as a whole.	<u>Cost pressure</u>
C4.3 Where the budget impact is unknown set out the reasons why this cannot be measured	N/A
C4.4 Are there likely to be any costs or savings for non-NHS commissioners and/or public sector funders?	<u>No</u>
C5 Funding	
C5.1 Where a cost pressure is indicated, state known source of funds for investment, where identified, e.g. decommissioning less clinically or cost-effective services.	CPAG prioritisation reserve

C6 Financial Risks Associated with Implementing this Policy											
C6.1 What are the material financial risks to implementing this policy?	No material financial risk										
C6.2 How can these risks be mitigated?	Not applicable										
C6.3 What scenarios (differential assumptions) have been explicitly tested to generate best case, worst case and most likely total cost scenarios?	Not applicable										
C6.4 What scenario has been approved and why?	Not applicable										
C7 Value for Money											
C7.1 What published evidence is available that the treatment is cost effective as evidenced in the evidence review?	The clinical evidence review for this technology found no studies relating to cost effectiveness										
C7.2 Has other data been identified through the service specification development relevant to the assessment of value for money?	<p><i>Select all that apply:</i></p> <table border="1"> <tbody> <tr> <td>Available pricing data suggests the treatment is equivalent cost compared to current/comparator treatment</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Available pricing data suggests the treatment is lower cost compared to current/comparator treatment</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Available clinical practice data suggests the new treatment has the potential to improve value for money</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Other data has been identified</td> <td><input type="checkbox"/></td> </tr> <tr> <td>No data has been identified</td> <td><input type="checkbox"/></td> </tr> </tbody> </table>	Available pricing data suggests the treatment is equivalent cost compared to current/comparator treatment	<input type="checkbox"/>	Available pricing data suggests the treatment is lower cost compared to current/comparator treatment	<input type="checkbox"/>	Available clinical practice data suggests the new treatment has the potential to improve value for money	<input type="checkbox"/>	Other data has been identified	<input type="checkbox"/>	No data has been identified	<input type="checkbox"/>
Available pricing data suggests the treatment is equivalent cost compared to current/comparator treatment	<input type="checkbox"/>										
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Available clinical practice data suggests the new treatment has the potential to improve value for money	<input type="checkbox"/>										
Other data has been identified	<input type="checkbox"/>										
No data has been identified	<input type="checkbox"/>										

	The data supports a high level of certainty about the impact on value	<input checked="" type="checkbox"/>
	The data does not support a high level of certainty about the impact on value	<input type="checkbox"/>
C8 Cost Profile		
C8.1 Are there non-recurrent capital or revenue costs associated with this policy?	<u>No</u>	
C8.2 If yes, confirm the source of funds to meet these costs.	N/A	