

Integrated Impact Assessment Report for Clinical Commissioning Policies			
Policy Reference Number	1691		
Policy Title	Temozolomide as adjuvant treatment for people with newly diagnosed anaplastic astrocytoma without 1p/19q codeletion following surgery and radiotherapy (Adults) Proposal <b>for routine commission</b> (ref A3.1)		
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Finance Lead	Justine Stalker-Booth	Analytical Lead	Not applicable.

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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.	There are around 11,500 new brain, other central nervous system and intracranial tumours cases in the UK every year. Astrocytomas account for one third of all brain cancer diagnoses in the UK. Incidence rates for brain tumours are projected to rise by 6% in the UK between 2014 and 2035, to 22 cases per 100,000 people by 2035. (Cancer Research UK)  Source: Policy Proposition, Section 6	
A1.2 Number of patients currently eligible for the treatment according to the proposed policy commissioning criteria.	200 Source: Policy Proposition, Section 6	
A1.3 Age group for which the treatment is proposed according to the policy commissioning criteria.	<u>Adults</u>	
A1.4 Age distribution of the patient population eligible according to the proposed policy commissioning criteria	Anaplastic astrocytomas are more common in adults between the ages of 30 and 70 years, and are more common in males.  Source: Policy Proposition, Section 1/Section 6	
A1.5 How is the population currently distributed geographically?	Evenly	

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?	Incidence rates for brain tumours are projected to rise by 6% in the UK between 2014 and 2035.  Source: Cancer Research UK		
A2.2 Are there likely to be changes in demography of the patient population and would this impact on activity/outcomes?	<u>No</u>		
A2.3 Expected net increase or decrease in the number of patients	Year 2	3	
who will be eligible for the service, according to the proposed service specification commissioning criteria, per year in years 2-5 and 10?	Year 5	6	
	Year 10	10	
Are these numbers in line with ONS growth assumptions for the age specific population? If not please justify the growth assumptions made.	<u>Yes</u>		
A3 Activity			
A3.1 What is the purpose of new policy?	Confirm routine commissioning position of an additional new treatment		

A3.2 What is the annual activity associated with the existing pathway for the eligible population?	200 Source: Policy Working Group
	Source. Folicy Working Group
A3.3 What is the estimated annual activity associated with the proposed policy proposition pathway for the eligible population?	200
	Source: Policy Working Group
A3.4 What is the estimated annual activity associated with the next best alternative comparator pathway for the eligible population? If	Not applicable.
the only alternative is the existing pathway, please state 'not applicable' and move to A4.	Source: Policy Working Group
A4 Existing Patient Pathway	
A4.1 <b>Existing pathway:</b> Describe the relevant currently routinely commissioned:	The standard treatment for people with newly diagnosed anaplastic astrocytomas is surgery followed by adjuvant radiotherapy.
<ul> <li>Treatment or intervention</li> <li>Patient pathway</li> <li>Eligibility and/or uptake estimates.</li> </ul>	Source: Policy proposition section 3
A4.2. What are the current treatment access and stopping criteria?	The decision to treat is be made by the neuro-oncology multi-disciplinary team (MDT) and the patient.
	Source: Policy working group

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?	a) 100% b) 0% c) 100% d) 100% e) 100% Source: Policy Working Group
A5 Comparator (next best alternative treatment) Patient Pathwa (NB: comparator/next best alternative does not refer to current pathway but to an a	
A5.1 Next best comparator: Is there another 'next best' alternative treatment which is a relevant comparator?  If yes, describe relevant  Treatment or intervention Patient pathway Actual or estimated eligibility and uptake	<u>No</u>
A5.2 What percentage of the total eligible population is estimated 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?	Not applicable.

A6 New Patient Pathway	
A6.1 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?	a) 100% b) 0% c) 100% d) 100% e) 100% Source: Policy Working Group
A6.2 Specify the nature and duration of the proposed new treatment or intervention.	Time limited  Temozolomide to be given for up to 12 cycles with each cycle lasting four weeks and administered at 150-200 mg/m2 on days 1 to 5 of each cycle.  Source: Policy Proposition section 3
A7 Treatment Setting	
A7.1 How is this treatment delivered to the patient?	
	Emergency/Urgent care attendance
	Acute Trust: inpatient
	Acute Trust: day patient
	Acute Trust: outpatient

	Mental Health provider: inpatient		
	Mental Health provider: outpatient		
	Community setting		
	Homecare		
	Other	$\boxtimes$	
	Temozolomide is taken orally/		
A7.2 What is the current number of contracted providers for the eligible population by region?	Chemotherapy can be prescribed and commissioned by NHS England; this interaction of the commission of	cludes C	Cancer Centres,
A7.3 Does the proposition require a change of delivery setting or capacity requirements?	<u>No</u>		
A8 Coding			
A8.1 Specify the datasets used to record the new patient pathway			
activity.	Aggregate Contract Monitoring *		
*expected to be populated for all commissioned activity	Patient level contract monitoring		

	Patient level drugs dataset		
	Patient level devices dataset		
	Devices supply chain reconciliation dataset		
	Secondary Usage Service (SUS+)		
	Mental Health Services DataSet (MHSDS)		
	National Return**		
	Clinical Database**		
	Other**		
	** SACT database	<u>.                                    </u>	
A8.2 Specify how the activity related to the new patient pathway	Select all that apply:		
will be identified.	OPCS v4.8		
	ICD10		
	Treatment function code	$\boxtimes$	
	Main Speciality code		
	HRG		
	SNOMED		
	Clinical coding / terming methodology used by clinical profession		
A8.3 Identification Rules for Drugs:	Already specified in current NHS England D	rugs List document	
How are drug costs captured?	Temozolomide, chemotherapy	- <u> </u>	

A8.4 Identification Rules for Devices: How are device costs captured?	Not applicable
A8.5 Identification Rules for Activity: How are activity costs captured?	Already correctly captured by an existing specialised service line (NCBPS code within the PSS Tool
	NCBPS01C Chemotherapy
A9 Monitoring	
A9.1 <b>Contracts</b> 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.	Drugs or Device MDS ⊠  Blueteq ⊠  Other prior approval □
A9.3 Business intelligence Is there potential for duplicate reporting?	No No
A9.4 Contract monitoring	Yes

Is this part of routine contract monitoring?	Monitored through SACT database.		
A9.5 <b>Dashboard reporting</b> Specify whether a dashboard exists for the proposed intervention?	<u>No</u>		
A9.6 <b>NICE reporting</b> Are there any directly applicable NICE or equivalent quality standards which need to be monitored in association with the new policy?	No No		
Section B - Service Impact			
B1 Service Organisation			
B1.1 Describe how the service is currently organised? (i.e. tertiary centres, networked provision etc.)	Chemotherapy can be prescribed and delivered at any provider commissioned by NHS England, this includes Cancer Centres, Teaching Hospitals and District General Hospitals		
B1.2 Will the proposition change the way the commissioned service is organised?	<u>No</u>		
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		
	Secondary care		
	Tertiary care		
	Other		
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>Increase</u>		
	Being routinely commissioned this patient cohort.  Source: Policy Proposal Section	will be an additional treatment option for on 1	
B2.4 Is the new policy likely to improve equality of access and/or outcomes?	Increase Improved progression free and overall survival for this patient cohort. Source: Policy Proposal Section 7		
B3 Implementation			
B3.1 Will commissioning or provider action be required before implementation of the proposition can occur?	No action required		

B3.2 <b>Time to implementation:</b> Is a lead-in time required prior to implementation?	No - go to B3.4
B3.3 <b>Time to implementation:</b> If lead-in time is required prior to implementation, will an interim plan for implementation be required?	No - go to B3.4
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)	<u>No</u>
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	No change
B3.10 Specify how revised provision will be secured by NHS England as the responsible commissioner.	Select all that apply:
	Publication and notification of new policy

	Market int	ervention required		
		ve selection process to secure increase or provider configuration		
	Price-base effectiven	ed selection process to maximise cost ess		
	Any qualif	ied provider		
	National C	Commercial Agreements e.g. drugs, devices		
	Procurem	ent		
	Other			
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)	<u>No</u>			
Section C - Finance Impact				
C1 Tariff/Pricing				
C1.1 How is the service contracted and/or charged?	Select all	that apply:		
Only specify for the relevant section of the patient pathway	Drugs	Not separately charged – part of local or natitariffs	onal	
		Excluded from tariff – pass through		$\boxtimes$

		Excluded from tariff - other	
	Devices	Not separately charged – part of local or national tariffs	
		Excluded from tariff (excluding ZCM) – pass through	
		Excluded from tariff (excluding ZCM) – other	
		Via Zero Cost Model	
	Activity	Paid entirely by National Tariffs	$\boxtimes$
		Paid entirely by Local Tariffs	
		Partially paid by National Tariffs	
		Partially paid by Local Tariffs	
		Part/fully paid under a Block arrangement	
		Part/fully paid under Pass-Through arrangements	
		Part/fully paid under Other arrangements	
C1.2 <b>Drug Costs</b> Where not included in national or local tariffs, list each drug or combination, dosage, quantity, <b>list</b> price including VAT if applicable and any other key information e.g. Chemotherapy	cycle. nemotherapy  The average NHS Indicative Price (list price) for 5 capsules is a		
Regime.			
NB discounted prices or local prices must not be included as these are subject to commercial confidentiality and must not be		Ex-VAT Incl VAT	
disclosed.		£2.64 £3.17 £10.60 £12.72	
	<del></del>	E53.02 £63.62	
		275.47 £90.56	
	180mg	E96.44 £115.72	
	250mg £	133.95 £160.74	

	The above is based on the BNF listed prices. The actual price paid will depend on commercial in confidence discounts.
C1.3 <b>Device Costs</b> Where not included in national or local tariff, list each element of the excluded device, quantity, <b>list or expected</b> price including VAT if applicable and any other key information.  NB: Discounted prices or local prices must not be included as these are subject to commercial confidentiality and must not be disclosed.	Not Applicable.
C1.4 Activity Costs covered by National Tariffs List all the HRG codes, HRG descriptions, national tariffs (excluding MFF), volume and other key costs (e.g. specialist top up %)	The cost of delivery would be covered by the HRG:  SB11Z - Deliver Exclusively Oral Chemotherapy which has a national tariff of £114  It is anticipated that there would be 12 (cycles) x SB11Z per patient
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 is 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?	<u>No</u>		
C2 Average Cost per Patient			
C2.1 What is the estimated cost per patient to NHS England, in	YR1	£15,085	
years 1-5, including follow-up where required?	YR2	£15,085	
	YR3	£15,085	
	YR4	£15,085	
	YR5	£15,085	
Are there any changes expected in year 6-10 which would impact the model?  C3 Overall Cost Impact of this Policy to NHS England	No		
C3.1 Specify the budget impact of the proposal on NHS England in relation to the relevant pathway.	Cost pressure Please specion Year 1 £3,03 Year 2 £3,06 Year 5 £3,10	fy: 2.0k 2.2k 7.4k	
	assumed 12		tive (List) Price incl VAT and an trual cost per patient will be lower e discounts.

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:  No impact on CCGs
	Budget impact for providers:  Cost neutral
C4.2 Taking into account responses to C3.1 and C4.1, specify the budget impact to the NHS as a whole.	Cost pressure
	As per Section C3.1
C4.3 Where the budget impact is unknown set out the reasons why this cannot be measured	Not applicable.
C4.4 Are there likely to be any costs or savings for non-NHS commissioners and/or public sector funders?	<u>Unknown</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?	There are not expected to be any material financial risks associated with implementing this policy.
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?	PWG estimate the cohort to be 185 based on available data (i.e. CRUK surgery numbers and PWG clinical estimates)
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?	There is no published evidence of cost-effectiveness

C7.2 Has other data been identified through the service		
specification development relevant to the assessment of value for money?	Available pricing data suggests the treatment is equivalent cost compared to current/comparator treatment	
	Available pricing data suggests the treatment is lower cost compared to current/comparator treatment	
	Available clinical practice data suggests the new treatment has the potential to improve value for money	
	Other data has been identified	
	No data has been identified	$\boxtimes$
	The data supports a high level of certainty about the impact on value	
	The data does not support a high level of certainty about the impact on value	
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.		