





<b>Meeting Date</b>	28 January 2	2021	Agenda Item	2.3
Report Title	Transcutaned	ous aortic valve ii	nsertion (TAVI)	<ul><li>Progress</li></ul>
	Report			
Report Author	Dr Richard E	vans, Executive I	Medical Director	ſ
Report Sponsor	Dr Richard Ev	vans, Executive I	Medical Director	<u>-</u>
Presented by	Dr Richard Ev	vans, Executive I	Medical Director	_
Freedom of	Open			
Information				
Purpose of the Report	the TAVI wait effectiveness	progress made i ing list and to giv of the clinical go he Royal College	e assurance re- vernance overs	garding the ight in
Key Issues	College of the actions  Monitoring standards  A further r	t summarises the Physicians' (RCs taken in respor demonstrates s of care eview of caseno and their report is	CP) review of the nse to improve of strong compliand tes has been un	e service and outcomes ce with
Specific Action	Information	Discussion	Assurance	Approval
Required (please choose one only)				
Recommendations	Members are	asked to:		
	<ul> <li>and that the standards</li> <li>Agree to densure the sustainable</li> <li>Agree that will be over</li> <li>Note that the standards</li> </ul>	continued oversige changes made	ght of the service are embedded the further case ality and Safety mprovements to	practice e in order to and enote review Committee o the service

1 Health Board – Thursday, 28<sup>th</sup> January 2021

2 Health Board – Thursday, 28<sup>th</sup> January 2021

### TRANSCUTANEOUS AORTIC VALVE INSERTION UPDATE

## 1. INTRODUCTION

This paper provides an update on progress on transcutaneous aortic valve insertion (TAVI) focussing on the progress made in treating the patients on the waiting list, and an update on the external review of the service by the Royal College of Physicians (RCP).

## 2. BACKGROUND

TAVI is a procedure used in people who have severe aortic stenosis as an alternative to conventional 'open' surgery for replacing the aortic valve. TAVI may be the procedure of choice for patients in whom conventional surgery is precluded due to the clinical risk associated with multiple co-morbidities or frailty.

In 2018 it became apparent that a number of patients had died while on the waiting list for TAVI. Given the mortality associated with severe aortic stenosis, there was concern that failure to address a growing waiting list was material in causing harm to patients. In response, the Health Board convened an executive-led 'Gold Command' group to oversee improvement actions.

### 3. EXTERNAL EXPERT REVIEW BY THE ROYAL COLLEGE OF PHYSICIANS

The Royal College of Physicians (RCP) has been commissioned to undertake a review of the service, comprising three separate elements:

i. A retrospective casenote review of 32 patients who died while on the waiting list for TAVI between 2015 and 2018

The RCP's final report of the casenote review has been received and a detailed action and communication plan has been developed in response to the report's recommendations. The assurance framework contains additional assurance measures, reporting to the Quality and Safety Committee.

ii. A site review by an expert panel convened by the RCP to provide assurance regarding the improvements made to date, and to advise on any further service changes required.

The RCP review team visited the UHB for two days on 22-23 July 2019. The final report has been received and an action plan developed in response to the 21 recommendations made. The actions and progress have been reported to the Quality and Safety Committee for assurance.

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## iii. Further casenote review by the RCP

Based on the conclusions of the initial casenote review, the Executive Medical Director has asked the RCP to undertake a further review of 52 casenotes of patients who died on the TAVI waiting list. The RCP have completed the casenote review and the report is awaited.

## 4. ASSURANCE MEASURES

The assurance frameworks for delivery of the RCP's recommendations for both the casenote review (Appendix 1) and site visit (Appendix 2) detail the recommendations made by the RCP and the actions undertaken by the Health Board.

These actions have resulted in substantial improvements to the service. The quality and safety of the service is now monitored through an agreed set of metrics as a Quality and Safety Dashboard (Appendix 3) which provides significant assurance regarding current outcomes.

The level of improvement that has been achieved is highlighted by the contrast with the position in November 2018, when there were 63 patients who had been waiting over 26 weeks for a TAVI and there had been 21 deaths on the waiting list during 2018 alone. No patients have died while waiting for a TAVI since May 2019.

Significant assurance can also be taken from the way in which the Cardiology team have embraced the need to change and have made improvements at pace. They continue to refine the way in which the service is delivered and are advancing plans for the management of TAVI within an over-arching aortic stenosis pathway.

Feedback has been pro-actively sought from service users. The quality of communication between the TAVI service and partners, especially other clinicians, had been a significant concern of the RCP review team. However, the changes made to the service have been received favourably by clinicians in partner organisations, who have noted the positive improvements in communication.

The improvement work continues to have close executive oversight through a fortnightly meeting chaired by the Executive Medical Director, and through reporting to the Quality and Safety Committee.

## 5. GOVERNANCE AND RISK ISSUES

There remain challenges to maintaining the waiting list position given the component waiting times and the potential for patients to be referred in to the service at a late stage in their pathway. The service has been impacted by the COVID pandemic due to the need to pause the service in March. Emerging from the first wave of COVID, the demand for TAVI has risen due to the transfer of patients from the surgical aortic valve replacement list.

4 Health Board – Thursday, 28<sup>th</sup> January 2021 While the COVID-19 pandemic affected the service during the first wave, the department implemented additional operating lists from July which meant that the modest backlog was cleared.

### 6. COMMUNICATION

We have kept in communication with patients' families. The COVID pandemic has meant we have not been able to arrange face-to-face meetings as we had planned. We have been in contact with relatives to offer the opportunity of having either 'virtual' (Zoom/Teams) meetings, or have given them the option of waiting until the situation permits direct discussion.

#### 7. FINANCIAL IMPLICATIONS

The costs associated with addressing the immediate backlog were originally identified as a financial pressure in region of up to £2 million. The forecast is that the commitment has reduced to £1.1m with lower numbers of patients than first anticipated and revision in mechanism of service provision.

### 8. RECOMMENDATION

Members are asked to:

- Agree the effectiveness of the changes implemented and that these are evidenced against best practice standards.
- Agree to continued oversight of the service in order to ensure the changes made are embedded and sustainable
- Agree that the response to the further casenote review will be overseen by the Quality and Safety Committee
- Note that the costs of the improvements to the service are accounted for within the financial forecast.

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Link to	Supporting better health and wellbeing by actively	promoting and
Enabling	empowering people to live well in resilient communities	1
Objectives	Partnerships for Improving Health and Wellbeing	
(please choose)	Co-Production and Health Literacy	
	Digitally Enabled Health and Wellbeing	
	Deliver better care through excellent health and care service outcomes that matter most to people	es achieving the
	Best Value Outcomes and High Quality Care	$\boxtimes$
	Partnerships for Care	$\boxtimes$
	Excellent Staff	$\boxtimes$
	Digitally Enabled Care	
	Outstanding Research, Innovation, Education and Learning	$\boxtimes$
Health and Ca		
(please choose)	Staying Healthy	
	Safe Care	
	Effective Care	
	Dignified Care	
	Timely Care	
	Individual Care	
	Staff and Resources	
Quality, Safety	and Patient Experience	_
	cribes how the Health Board is ensuring that there is	expert external
	AVI service so that lessons can be learned to drive in	•
	and patient experience.	iipioveilielit iii
Financial Impl		
	nitment of £1.1m	
	* -	
	ions (including equality and diversity assessment)	•
The Health Boa	ard will need to consider redress for any breach of duty	ot care.
04 661 1 11	ations	
Staffing Implic		
Having clear a	nd dedicated clinical leadership for the TAVI service	
Having clear a releasing clinical	nd dedicated clinical leadership for the TAVI service al sessions from other direct clinical care duties. Consid	deration to be
Having clear a releasing clinical given how the	and dedicated clinical leadership for the TAVI service al sessions from other direct clinical care duties. Considengoing improvement work will be supported and whet	deration to be
Having clear a releasing clinical given how the cresource may be	and dedicated clinical leadership for the TAVI service al sessions from other direct clinical care duties. Considering improvement work will be supported and whet be required.	deration to be her additional
Having clear a releasing clinical given how the cresource may be Long Term Im	and dedicated clinical leadership for the TAVI service al sessions from other direct clinical care duties. Consideration of the many congoing improvement work will be supported and whet be required.    Consideration of the content	deration to be her additional
Having clear a releasing clinical given how the cresource may be Long Term Im	and dedicated clinical leadership for the TAVI service al sessions from other direct clinical care duties. Considering improvement work will be supported and whet be required.	deration to be her additional
Having clear a releasing clinical given how the cresource may be Long Term Imp	and dedicated clinical leadership for the TAVI service al sessions from other direct clinical care duties. Consideration of the many congoing improvement work will be supported and whet be required.    Consideration of the content	deration to be her additional
Having clear a releasing clinical given how the cresource may be Long Term Imp	and dedicated clinical leadership for the TAVI service al sessions from other direct clinical care duties. Considering improvement work will be supported and whet be required.  plications (including the impact of the Well-being of Wales) Act 2015)	deration to be her additional
Having clear a releasing clinical given how the cresource may be Long Term Important (National Control of Cont	and dedicated clinical leadership for the TAVI service al sessions from other direct clinical care duties. Considering improvement work will be supported and whet be required.  plications (including the impact of the Well-being of Wales) Act 2015)	deration to be her additional
Having clear a releasing clinical given how the coresource may be Long Term Implementations (Name of the Coresource of t	and dedicated clinical leadership for the TAVI service al sessions from other direct clinical care duties. Considering improvement work will be supported and whet be required.  plications (including the impact of the Well-being of Wales) Act 2015)	deration to be her additional
Having clear a releasing clinical given how the coresource may be Long Term Implementations (Name of the Coresource of t	and dedicated clinical leadership for the TAVI service al sessions from other direct clinical care duties. Considering improvement work will be supported and whet be required.  plications (including the impact of the Well-being of Wales) Act 2015)  Appendix 1: TAVI Casenote Review Assurance	deration to be her additional

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## Assurance Framework for the delivery of the Royal College of Physicians' recommendations relating to the TAVI casenote review

Recommendation 1. The Health Board should undertake further clinical record review considering the findings relating to the clinical management of 26 sets of case notes under terms of reference 3. The Health Board has already been in discussion with the RCP ISR team about conducting this further clinical record review.

	uiscussion wi	the her isk team about conduct	 is farther chinear record review.		
Recommende	ed timescale for completion: Short term 0-6 mo	nths	Lead Officer:	Executive Medical Director	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale	Additional Actions	Assurance Group	Updated timescales for completion
	The casenotes of the remaining patients who died while waiting for a TAVI between 2015 and 2018 will be forwarded to the RCP for review	Completed			
Determine the number of additional casenotes to be reviewed in a second cohort by the RCP	Patients who died while waiting for a TAVI between 2009 (the commencement of the service) and 2015 have been identified and will be forwarded to the RCP for review	Completed			
	One concern raised by a family member regarding a relative who died while waiting for a TAVI will also be forwarded to the RCP for review	Completed			
Commission the RCP to undertake a review of a second cohort of patients' casenotes	A formal request has been made from the Executive Medical Director to the RCP's Invited Service Review team	Completed			

Recommendation 2. The Health Board mu	ust review the pathway for patients who may	be suitable for TAVI. The pathway timely provision of TAVI for those		tenosis and offer timely assessment o	f patients, coupled with
Recommende	ed timescale for completion: Short term 0-6 mo	onths	Lead Officer: Serv	icel Director, Morriston Hospital	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale	Additional Actions	Assurance Group	Updated timescales for completion
Review of the TAVI pathway to ensure that	There is now a clear process to ensure that there is an agreed definition of when patients on the aortic stenosis pathway are placed on the waiting list for TAVI procedure	Completed	Monthly report of component waiting times for TAVI	Quality and Safety Committee	Monthly for minimum 12 months
patients are on a defined pathway and that assessment and treatment occur in a timely way	Clear the waiting list of patients who are overdue for TAVI procedure	Completed	None	None	None
	Undertake a demand/capacity analysis to ensure deliverability of current service within commissioned timescales	Completed	Review TAVI pathway with commissioners to ensure that the service is commissioned to deliver within best practice timescales	WHSSC commissioning meeting with Health Board; reported to Quality and Safety Committee	July 2020
Review standards set by the British Cardiac Intervention Society (BCIS)	A multidisciplinary workshop has been held to secure consensus regarding the standards required	Completed	Review TAVI pathway with commissioners to ensure that the service is commissioned to deliver within best practice timescales	WHSSC commissioning meeting with Health Board; reported to Quality and Safety Committee	July 2020
Ensure service is able to deliver appropriate	Demand/capacity analysis for 18 week pathway	Completed	None	None	None
standard of care within a timeframe that reflects the natural history of aortic stenosis	Review the commissioning arrangements with WHSSC to align with BCIS standards and component waiting times	Completed	Review TAVI pathway with commissioners to ensure that the service is commissioned to deliver within best practice timescales	WHSSC commissioning meeting with Health Board; reported to Quality and Safety Committee	July 2020
Recommendation 3. The Health Board	should review the way referrals to the TAVI se	ervice are received and responded prioritised according to		it may consider that all referrals shoul	d be pooled and then
Recommende	ed timescale for completion: Short term 0-6 mo	onths	Lead Officer:	Executive Medical Director	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale	Additional Actions	Assurance Group	Updated timescales for completion
Review process for receiving and processing referrals	A single common electronic referral route for TAVI has been established	Completed			
Ensure that pathway design enables compliance with WHSSC commissioning criteria	Pathway conforms to WHSSC commissioning criteria	Completed			
Implement system of pooled referrals	Pooled referral system implemented	Completed	Quarterly audit of referrals processing	Quality and Safety Committee	Quarterly for minimum 12 months

Recommende	ed timescale for completion: Short term 0-6 m	onths	Lead Officer: Cl	inical Director for Cardiology	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale	Additional Actions	Assurance Group	Updated timescales for completion
Communicate need to actively refer patients needing TAVI to the relevant consultant team to plan admission	Communication with all referring centres and process agreed	Completed	Monitor performance on timely transfer	Quality and Safety Committee	Monthly for minimun 12 months
Circulate process and contact details to referring clinicans across the network and partner organisations (WAST, Hywel Dda University Health Board)	Communication with all referring clinicians distributed.	Completed			
Agree cardiac centre escalation policy for ped capacity with specific reference to recommended transfer time for TAVI	Cardiac Centre escalation policy reviewed and approved at Cardiac Board	Completed			
	rgeons and cardiologists, both TAVI and non- of reducing referrals between surgeons and o				uitable for TAVI, with th
	timescale for completion: Medium term 6-12	months	Lead Officer: Cl	inical Director for Cardiology	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale	Additional Actions	Assurance Group	Updated timescales for completion
Establish joint clinic with Cardiology and Cardiothoracic Surgery	Joint clinic established, involving Cardiologist and Cardiothoracic surgeon - commenced July 2019	Completed	Quarterly audit of attendance	Quality and Safety Committee	Quarterly for minimur 12 months

Recommendation 6. The patient pathway should make clear the expectation regarding when MDT discussion of a case should take place (including with respect to BAV) and the timing of MDT discussion should allow for the clinical prioritisation of deteriorating patients. Patients should be advised when MDT discussion of their case is to happen and be told of the outcome in a timely fashion. The outcome of the MDT should be clearly documented in the case records.

Recommende	ed timescale for completion: Short term 0-6 m	onths	Lead Officer: C	linical Director for Cardiology	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale	Additional Actions	Assurance Group	Updated timescales for completion
Implement stand-alone MDT meeting held separately to TAVI Joint Clinic	Weekly standalone MDT meeting commencing February 2020.	Completed	Audit to give assurance of effective MDT working	Quality and Safety Committee	Quarterly for minimum 12 months
Frequency of the MDT to reflects the need to make prompt decisions; membership of MDT has appropriate multidisciplinary representation		Completed			
Patient to be informed of date when case is to be discussed at MDT		Completed			
Patient to be assigned responsible consultant for overseeing care	Electronic record and scheduling of TAVI	Completed			
Documentation of MDT discussion and decision	MDT set up via Cardiology PATS system with NWIS-agreed interface to upload to WCP. Automatic letter generation to patient, referring clinician and GP enabled.	Completed			
Communication of MDT discussion and decision with patient	Go Live date for system in February 2020.	Completed			
Documentation of MDT discussion and decision with referring clinician and GP		Completed			

Recommendation 7. The clinicians providing the service should make clear to patients and referring clinicians, and in the clinical records, when a patient is on the waiting list for TAVI, the arrangements for review whilst they are waiting, and the process for clinical prioritisation should the patient deteriorate.

	and th	ne process for clinical prioritisation	shoul	d the patient deteriorate.		
Recommende	ed timescale for completion: Short term 0-6 mo	onths		Lead Officer: Cl	inical Director for Cardiology	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
Communication to patients: Confirm date/time of their MDT discussion (see R6)		Completed		Audit of communications with patients/GPs/referrers to ensure system is robust	Quality and Safety Committee	Quarterly for minimum 12 months
Communication to patients: Confirm outcome of MDT discussion (see R6)		Completed				
Communication to patients: Confirm process for review		Completed				
Communication to patients: Confirm process for escalation		Completed				
Communication to referring clinician: Confirm date/time of their MDT discussion (see R6)	Electronic record and scheduling of TAVI MDT has been via Cardiology IT system with NWIS-agreed interface to upload to Welsh	Completed				
Communication to referring clinician: Confirm outcome of MDT discussion (see R6)	Clinical Portal. Automatic letter generation to patient, referring clinician and GP enabled. Go Live date for system in	Completed				
Communication to referring clinician: Confirm process for review	February 2020.	Completed				
Communication to referring clinician: Confirm process for escalation		Completed				
Documentation in clinical record to reflect communication to patient and referring clinician - as described above		Completed				

Recommendation 8. The role of TAVI coor	dinator should be given greater prominence a every patient being considered for TAV			atient pathway. The coordinator should be r n for escalation if the pathway is not operation	•	nentum is maintained for
Recommended	timescale for completion: Medium term 6-12 r	months		Lead Officer: Serv	rice Director, Morriston Hospital	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
Appointment of TAVI Clinical Nurse Specialist (CNS)	TAVI CNS appointed	Completed				
Priority within job plan to manage all patients on TAVI pathway	Agreed within role of TAVI CNS	Completed				
Priority within job plan to manage all patients on TAVI pathway	Agreed within role of TAVI CNS	Completed				
Recommendation 9. There should	be strong clinical leadership of the TAVI servi	ice, with a named clinician respon	sible fo	r overseeing the effectiveness of the patient	pathway and leading the developme	nt of the service.
	timescale for completion: Medium term 6-12 r	months		Lead Officer: Unit M	edical Director, Morriston Hospital	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
Appointment of Acting Clinical Director for Cardiology	Acting CD for Cardiology appointed	Completed				
Acting TAVI Clinical Lead appointed	Acting TAVI Clinical Lead appointed	Completed				
Formal appointment of Clinical Director for Cardiology	CD for Cardiology appointed	June 2020 <b>Completed</b>				
Formal appointment of Clinical Lead for TAVI		Completed				
Recommendation 10. There must be u	nequivocal clinical ownership of each patient' decisions	s care, a named clinician who ove are made in a timely way; and th		•	coherent management plan for the p	atient, the treatment
Recommende	ed timescale for completion: Short term 0-6 mo	onths		Lead Officer:	Clinical Director, Cardiology	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
Named clinician responsible for every patient	Named clinician for every patient allocated by MDT. Clarity regarding responsibility of each named clincian to ensure that there is a coherent management plan for the patient, the treatment decisions are made in a timely way; and that decisions reflect MDT discussion (see also R6)	Completed		Audit of process to allocate named consultant	Quality and Safety Committee	Quarterly for minimum 12 months

			TAVI:	should be ordered in parallel as far as possible		
Key actions taken to meet the requirements of the recommendation	led timescale for completion: Short term 0-6 mo	Completion timescale		Additional Actions	Clinical Director, Cardiology  Assurance Group	Updated timescales fo completion
Agree and document minimum set of nvestigations prior to TAVI	Minimum set of investigations prior to TAVI documented within referral pathway.	Completed				
Agree in pathway that investigations are ordered in parallel	Investigations ordered in parallel as matter of course through referral pathway and MDT where required.	Completed				
Recommendation 12. The cardiologists	should stop routine ordering of TOEs for TAVI	evaluation and swicth to computer steps to reduce the waiting time			ere TOE is considered necessary, the I	Health Board must take
Recommend	led timescale for completion: Short term 0-6 mo	onths		Lead Officer:	Executive Medical Director	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
	Pathway reflects CT as investigation of choice	Completed		Establish clear criteria for use of TOE in cases where CT is not possible/appropriate	Quality and Safety Committee	June 2020
insure CT is the investigation of choice ather than TOE	Review of current proportion of patients having CT rather than TAVI - confirms CT as the primary investigation	Completed		Establish capacity required to deliver required CT capacity to support the TAVI pathway to take component waiting times	Quality and Safety Committee	June 2020

Recommende	ed timescale for completion: Short term 0-6 mo	onths		Lead Officer:	Head of Patient Experience	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
Initial communication with families and next of kin of the first cohort of patients to inform them that RCP will be reviewing casenotes	Communication with families and next of kin	Completed				·
Communication to inform families and next of kin that casenote review has been completed and offer time to meet to discuss	Communication with families and next of kin	Completed				
Offer meetings with families to discuss outcomes of the review and the RCP's findings with regard to their relative	Communication with families and next of kin	Completed				
	n 14. The Health Board should consider this re	· · ·	suran	·		
Key actions taken to meet the	ed timescale for completion: Short term 0-6 mo	ontns		Lead Oπicer:	Executive Medical Director	Undeted timeseeles fo
requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
Regular updates have been provided to the Health Board and Quality and Safety Committee (In-Committee) over the past 12 months, including updates on correspondence with the RCP, outline draft reports and planned additional input from RCP (site visit in July 2019 and planned casenote review of a second cohort of patients)	Agendas of Health Board and Quality and Safety Committee	Completed		Monthly report to be provided for oversight and scrutiny of delivery of action plan and ongoing compliance with actions	Quality and Safety Committee	Monthly for minimun 12 months
Action plan developed in response to the report's recommendations	Document: Assurance Framework for the delivery of the Royal College of Physicians' recommendations relating to the TAVI casenote review	Completed				
A report will be presented and discussed at		Completed				

	nould consider sharing the outcome of this re	Officer for Wa	more were	on the same of the contract contract		
Recommende	ed timescale for completion: Short term 0-6 mo	onths	Lead Officer: Executive Medical Director			
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale	Additional Actions	Assurance Group	Updated timescales for completion	
The report has been shared with Welsh Government, including the Chief Medical Officer (CMO) for Wales	Correspondence with Welsh Government; meeting with Welsh Government officials and the CMO's office	Completed				
The report has been shared with Welsh Health Specialised Services Committee (WHSSC) as commissioners	Meeting with representatives of WHSSC	Completed				
The report has been shared with Hywel Dda University Health Board	Meeting with representatives of Hywel Dda UHB	Completed				
The report has been formally shared with Health Inspectorate Wales (HIW)	Report shared with HIW	Completed				
All Health Boards whose patients were involved in this review have been informed of the review's findings and the actions being taken	Other HBs informed	Completed				

Swansea Bay University Health Board January 2021

# Assurance Framework for the delivery of the Royal College of Physicians' recommendations relating to the TAVI Site Visit review

December of the Health December of						
officer for Wales.	ould also consider sharing the outcome of this i	report with the relevant bodies in V	Vales, 1	o include Health Inspectorate Wales, the W	elsh Health Specialist Service Comi	missioning and chief medical
Recommend	led timescale for completion: Short term 0-6 mo	onths		Lead Officer	: Executive Medical Director	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
Outcome of report to be shared with HIW, WHSSC and Welsh Government.	Outcomes shared with key stakeholders	Completed		None		
Recommendation 2 The Health Board sh	ould appoint a single designated clinical lead f	or the TAVI service, with time recog	gnised	in the job plan for leadership, case planning	g, MDT and developing the service.	
Recommende	d timescale for completion: Immediate (0-3 mo	onths)		Lead Officer: Unit N	Medical Director, Morriston Hospital	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
Appointment of Clinical Lead	Appointment made to Clinical Lead post	Completed		None		
Job plan to include dedicated time for leadership, case planning, MDT and service development	Job plan to reflect time required to deliver in the role.	Completed		None		
recommended MDT structure, and other p	ould review its TAVI pathway against the new a athway recommendations. This work would be	e informed by observing TAVI servio		other centres to understand procedural flow	ı	<u> </u>
	led timescale for completion: Short term 0-6 mo	onths		Lead Officer: Unit N	Medical Director, Morriston Hospital	
Key actions taken to meet the	Fuidance to annual action consulation					
requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
requirements of the recommendation  Evaluate current service specification against BCIS recommendations	Formal assessment of service against BCIS	Completion timescale  Completed		Additional Actions  None	Assurance Group	· ·
Evaluate current service specification		•	-		Assurance Group	
Evaluate current service specification against BCIS recommendations  Link with another UK centre	Formal assessment of service against BCIS Formal link with another UK centre and	Completed Completed	delines	None None		
Evaluate current service specification against BCIS recommendations  Link with another UK centre  Recommendation 4. The membership of the service specification against BCIS recommendation 4.	Formal assessment of service against BCIS Formal link with another UK centre and share good practice	Completed  Completed  second MDT) should align with guid	delines	None  None , as outlined in the conclusions for terms of		completion
Evaluate current service specification against BCIS recommendations  Link with another UK centre  Recommendation 4. The membership of the service specification against BCIS recommendation 4.	Formal assessment of service against BCIS Formal link with another UK centre and share good practice  the TAVI MDT and TAVI planning meeting (the	Completed  Completed  second MDT) should align with guid	delines	None  None , as outlined in the conclusions for terms of	reference 1.	completion
Recommendation 4. The membership of to Recommendations taken to meet the	Formal assessment of service against BCIS Formal link with another UK centre and share good practice  the TAVI MDT and TAVI planning meeting (the led timescale for completion: Short term 0-6 me	Completed  Completed  second MDT) should align with guid	delines	None  None  , as outlined in the conclusions for terms of  Lead Officer: Unit N	reference 1.  Medical Director, Morriston Hospital	completion  Updated timescales for
Recommendation 4. The membership of to Recommendation to Requirements of the requirements of the recommendation.  Reward Recommendation 4. The membership of to Recommendation to Recommendation to Requirements of the recommendation Membership of TAVI MDT aligns with	Formal assessment of service against BCIS  Formal link with another UK centre and share good practice  the TAVI MDT and TAVI planning meeting (the led timescale for completion: Short term 0-6 meeting terms of the support action completion formal review of MDT membership against	Completed  Completed  second MDT) should align with guidenths  Completion timescale	delines	None  None  , as outlined in the conclusions for terms of  Lead Officer: Unit N  Additional Actions	reference 1.  Medical Director, Morriston Hospital	completion  Updated timescales for
Recommendation 4. The membership of to Recommendation Membership of TAVI MDT aligns with guidelines  Membership of TAVI planning meeting aligns with guidelines  Recommendation 5. MDT decisions shoul	Formal assessment of service against BCIS  Formal link with another UK centre and share good practice  the TAVI MDT and TAVI planning meeting (the led timescale for completion: Short term 0-6 more being to the support action completion formal review of MDT membership against guidelines  Formal review of TAVI planning meeting	Completed  Second MDT) should align with guidenths  Completion timescale  Completed  Completed  Completed	and refo	None  None  Lead Officer: Unit N  Additional Actions  None  None  Perring centres. Decisions on valve type, access	reference 1.  Medical Director, Morriston Hospital  Assurance Group  ess route and procedural complexiti	Updated timescales for completion
Recommendation 4. The membership of to the requirements of the recommendation  Membership of TAVI MDT aligns with guidelines  Membership of TAVI planning meeting aligns with guidelines  Recommendation 5. MDT decisions should MDT planning meeting and communicated	Formal assessment of service against BCIS  Formal link with another UK centre and share good practice  the TAVI MDT and TAVI planning meeting (the led timescale for completion: Short term 0-6 more than 10 more to support action completion: Formal review of MDT membership against guidelines  Formal review of TAVI planning meeting membership against guidelines  d be clearly documented and shared with relevant to the support action completion formal review of TAVI planning meeting membership against guidelines	Completed  Completed  Second MDT) should align with guide  Conths  Completion timescale  Completed  Completed  vant staff, as well as patients, GPs at the staff, as well decision making with	and refo	None  None  None  Lead Officer: Unit N  Additional Actions  None  None  Perring centres. Decisions on valve type, accernts is key and details of options discussed a	reference 1.  Medical Director, Morriston Hospital  Assurance Group  ess route and procedural complexiti	Updated timescales for completion  ies should be made at the ture in the MDT records.

a N	1DT decisions documented	Decisions and outcomes recorded electronically at the meeting via Solus system.	Completed		Audit of MDT documentation	Quality & Safety Committee	Quarterly for 12 months		
bΙ	1DT decisions shared with staff, GPs and eferrers	Electronic outcome notes are uploaded to WCP and communicated with GPs and patients.	Completed		Audit of MDT documentation	Quality & Safety Committee	Quarterly for 12 months		
c I	IDT record reflects options discussed and greed with patient	Summary of decision making and discussion is transcribed into standard agreed format at the MDT meeting which is uploaded to WCP.	Completed		Audit of MDT documentation	Quality & Safety Committee	Quarterly for 12 months		
d p	ype of valve to be used, access route & rocedural detail to be communicated with atheter lab staff	Written detail of planned procedures including patients booked, access route and valve type is circulated a week in advance to all cath lab, ward and operational staff. Detail further reiterated in TAVI briefing checklist on day of procedure.	Completed		Audit of MDT documentation	Quality & Safety Committee	Quarterly for 12 months		
Recommendation 6. Given the problems experienced previously, the Health Board should routinely audit the impact of new MDT decision-making arrangements, by checking with GPs, patients and referring documentation regarding decisions explains the MDT's recommendations, including next steps and whether the patient is on the waiting list for TAVI, with sufficient clarity.									
	ocumentation regarding decisions explain	s the MDT's recommendations, including next	t steps and whether the patient is o		waiting list for TAVI, with sufficient clarity.		nologists that		
	ocumentation regarding decisions explain  Recommended  Key actions taken to meet the	•	t steps and whether the patient is o		waiting list for TAVI, with sufficient clarity.	ectorate Manager, Cardiology  Assurance Group	Updated timescales for		
d A a d	ocumentation regarding decisions explain  Recommended	s the MDT's recommendations, including next timescale for completion: Long term (12-24 m	onths)		waiting list for TAVI, with sufficient clarity.  Lead Officer: Dir	ectorate Manager, Cardiology	Updated timescales for completion		
a A d d irrespondent of the contract of the co	Recommended  Key actions taken to meet the requirements of the recommendation udit MDT communication and ocumentation to ensure essential	timescale for completion: Long term (12-24 m  Evidence to support action completion	onths)  Completion timescale		waiting list for TAVI, with sufficient clarity.  Lead Officer: Dir  Additional Actions	ectorate Manager, Cardiology  Assurance Group	Updated timescales for completion		
a A d d irr a a d d st T.T.	Recommended  Key actions taken to meet the requirements of the recommendation udit MDT communication and ocumentation to ensure essential information conveyed eek feedback from GPs and referrers egarding the quality of information shared ind that they are satisfied that this clearly escribes the MDT recommendation, next teps and whether the patient is on the	timescale for completion: Long term (12-24 m Evidence to support action completion Formal audit of MDT communication	onths)  Completion timescale  Completed		Lead Officer: Dir  Additional Actions  Ongoing audit of MDT communication	Assurance Group  Quality & Safety Committee	Updated timescales for completion  Quarterly for 12 months		
a A d d irr re a a d d st T	Recommended  Key actions taken to meet the requirements of the recommendation udit MDT communication and ocumentation to ensure essential information conveyed  eek feedback from GPs and referrers egarding the quality of information shared and that they are satisfied that this clearly escribes the MDT recommendation, next teps and whether the patient is on the AVI waiting list  lear details provided for patients and eferrers to contact the service	timescale for completion: Long term (12-24 m  Evidence to support action completion  Formal audit of MDT communication  Formal stakeholder opinions canvassed  Patient information leaflet contains contact details for TAVI CNS team. TAVI MDT information also provided to patients and	conths)  Completion timescale  Completed  Completed  Completed	eportin	Lead Officer: Dir Additional Actions  Ongoing audit of MDT communication  Ongoing stakeholder review	Assurance Group  Quality & Safety Committee  Quality & Safety Committee	Updated timescales for completion  Quarterly for 12 months  Bi-annually 12 months		
a A d d irr re a a d d st T	Recommended  Key actions taken to meet the requirements of the recommendation udit MDT communication and ocumentation to ensure essential information conveyed eek feedback from GPs and referrers egarding the quality of information shared in that they are satisfied that this clearly escribes the MDT recommendation, next teps and whether the patient is on the AVI waiting list  lear details provided for patients and eferrers to contact the service  ecommendation 7. The Health Board sharing in the MDT reading cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the MDT in the maging cardiologist is needed in the maging cardiologist	timescale for completion: Long term (12-24 m  Evidence to support action completion  Formal audit of MDT communication  Formal stakeholder opinions canvassed  Patient information leaflet contains contact details for TAVI CNS team. TAVI MDT information also provided to patients and referrers.	Completed  Completed  Completed  Completed  Completed	eportin	Lead Officer: Dir Additional Actions  Ongoing audit of MDT communication  Ongoing stakeholder review	Assurance Group  Quality & Safety Committee  Quality & Safety Committee	Updated timescales for completion  Quarterly for 12 months  Bi-annually 12 months		

completion

Evidence to support action completion

requirements of the recommendation

		Valve choice, sizing and procedural planning performed after CT analysis by the TAVI cardiologists using bespoke CT analysis software (3mensio, 3mensio Medical Imaging BV). This is led by two cardiologists who are fully trained in cardiac CT (Drs								
а	TAVI CT; facilitate training for Cardiologists who wish to develop this skill	Obaid and Khurana). They have trained Dr Smith and Professor Chase in CT analysis for TAVI cases and are in the process of training Dr Hailan, such that every TAVI operator will be responsible for analysing CT scans for TAVI. In the week before the TAVI procedure this analysis is double-checked by the two cardiologists who will be performing the procedure.	Completed		None					
b	Imaging specialist available for TAVI MDT covering range of modalities (echo, CT)	MDT has representation from imaging specialists covering Cardiac CT and MR and echocardiography.	Completed		None					
		uld expedite plans for an additional nursing aposition could be reduced to 0.6 WTE, instead o					trative support will be			
	Recommende	d timescale for completion: Short term (0-6 mo	inths)	Lead Officer: Directorate Manager, Cardiology						
	Key actions taken to meet the requirements of the recommendation	Fyidence to support action completion   Completion timescale			Additional Actions	Assurance Group	Updated timescales for completion			
а	Appointments made to nursing posts	Appointments made	Completed		None					
b	Appointments made to admin posts	Appointment in progress, interviews scheduled for 03/09/2020	Completed							
	Recommendation 9. The Health Board shorecommendation 10, below.	ould establish which cardiologists will support	the service going forward and the le	evel o	f commitment they will give, which should be	e clearly articulated in job plans. Job	plans should also reflect			
	Recommended	d timescale for completion: Short term (0-6 mo	onths)		Lead Officer: Clinical Director of Cardiology					
	Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion			
а	Confirmation of which consultants support TAVI	A total of five consultants will perform TAVI procedures, as well as review patients in clinic, present in the MDT, perform CT analysis and provide post procedure care. A 16 week rolling rota has also been developed to allow 2 all day TAVI lists per week. Each list will be led by a senior operator (Dr Smith and Prof Chase) to facilitate training of less experience operators. The other consultants are Dr Khurana, Dr Obaid and Dr Hailan. These arrangements to be formalised via job	Completed		None					

			, ,			
Commitment to TAVI articulated in job plans	Confirmation from Clinical Director for Cardiology following agreement with consultants	January 2021		None		
Job plans for TAVI consultants to reflect expetations for leadership and engagement	Confirmation from Clinical Director for Cardiology following agreement with consultants	January 2021		None		
Recommendation 10. The Standard Operati	ing Procedure (SOP) for the TAVI service shou	lld articulate the Health Board's exp	ectatio	ons for:		
a. Clinical ownership of patients receiving T		·				
b. The cardiologists to demonstrate leaders	ship for the wider team					
c. The cardiologists to engage proactively w	vith consultant colleagues in other specialties	to plan contingency arrangements f	or pat	ients where problems may be encountered,	and to involve colleagues in these	arrangements early on
d. Attendance at cath lab team briefings on	the TAVI list.					
Recommende	ed timescale for completion: Short term 0-6 m	onths		Lead Officer:	Executive Medical Director	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
Expectations of Health Board regarding TAVI service articulated in letter from						
Executive Medical Director to all		Completed		None		
consultants in Cardiology and Cardiac						
Surgery						
take place in clinic and prior to a patient's p	orocedure.  ed timescale for completion: Short term 0-6 m	onths		Lead Officer:	Clinical Director, Cardiology	
Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
•	Evidence to support action completion  Formal incorporation of agreed escalation and ceilings of care in MDT documentation	Completion timescale  Completed		Additional Actions  None	Assurance Group	·
requirements of the recommendation  Decisions regarding escalation in care and	Formal incorporation of agreed escalation				Assurance Group	·
requirements of the recommendation  Decisions regarding escalation in care and 'bail-out' to be made in MDT  Shared decision-making with patients around escalation and 'bail out'  Recommendation 12. The Health Board she	Formal incorporation of agreed escalation and ceilings of care in MDT documentation  MDT documentation records shared	Completed  Completed  on the ward and for recovery and in		None None	·	completion
requirements of the recommendation  Decisions regarding escalation in care and 'bail-out' to be made in MDT  Shared decision-making with patients around escalation and 'bail out'  Recommendation 12. The Health Board she conditions. Patients requiring intensive care	Formal incorporation of agreed escalation and ceilings of care in MDT documentation  MDT documentation records shared decision-making with patient  ould review the designation of beds for TAVI,	Completed  Completed  on the ward and for recovery and irecare unit (ITU), not the general ITU.		None None	·	cad of non-life-threatening
requirements of the recommendation  Decisions regarding escalation in care and 'bail-out' to be made in MDT  Shared decision-making with patients around escalation and 'bail out'  Recommendation 12. The Health Board sho	Formal incorporation of agreed escalation and ceilings of care in MDT documentation  MDT documentation records shared decision-making with patient  ould review the designation of beds for TAVI, e should be cared for on the cardiac intensive	Completed  Completed  on the ward and for recovery and irecare unit (ITU), not the general ITU.		None None	iven to patients requiring TAVI ahe	completion
requirements of the recommendation  Decisions regarding escalation in care and 'bail-out' to be made in MDT  Shared decision-making with patients around escalation and 'bail out'  Recommendation 12. The Health Board she conditions. Patients requiring intensive care Recommended to Key actions taken to meet the	Formal incorporation of agreed escalation and ceilings of care in MDT documentation  MDT documentation records shared decision-making with patient  ould review the designation of beds for TAVI, e should be cared for on the cardiac intensive timescale for completion: Medium term (6-12)	Completed  Completed  on the ward and for recovery and in care unit (ITU), not the general ITU.		None  None  re care. Priority in terms of beds should be gi	iven to patients requiring TAVI ahe	completion  and of non-life-threatening  Updated timescales for
requirements of the recommendation  Decisions regarding escalation in care and 'bail-out' to be made in MDT  Shared decision-making with patients around escalation and 'bail out'  Recommendation 12. The Health Board she conditions. Patients requiring intensive care Recommended to Key actions taken to meet the requirements of the recommendation  Standard Operating Procedure for TAVI to include clear designation of beds post-	Formal incorporation of agreed escalation and ceilings of care in MDT documentation  MDT documentation records shared decision-making with patient  ould review the designation of beds for TAVI, e should be cared for on the cardiac intensive timescale for completion: Medium term (6-12 Evidence to support action completion	Completed  Completed  on the ward and for recovery and in care unit (ITU), not the general ITU.  months)  Completion timescale		None  None  re care. Priority in terms of beds should be gi  Additional Actions	iven to patients requiring TAVI ahe	completion  and of non-life-threatening  Updated timescales for
requirements of the recommendation  Decisions regarding escalation in care and 'bail-out' to be made in MDT  Shared decision-making with patients around escalation and 'bail out'  Recommendation 12. The Health Board she conditions. Patients requiring intensive care  Recommended to Recommendation  Standard Operating Procedure for TAVI to include clear designation of beds post-procedure  Standard Operating Procedure to specify Cardiac ITU rather than General ITU for TAVI patients who require Level 3 care	Formal incorporation of agreed escalation and ceilings of care in MDT documentation  MDT documentation records shared decision-making with patient  ould review the designation of beds for TAVI, e should be cared for on the cardiac intensive timescale for completion: Medium term (6-12  Evidence to support action completion  Formalisation in SOP	Completed  Completed  on the ward and for recovery and in care unit (ITU), not the general ITU.  months)  Completion timescale  Completed  Completed		None  None  Re care. Priority in terms of beds should be gi  Additional Actions  None  None	iven to patients requiring TAVI ahe	cad of non-life-threatening Updated timescales f
requirements of the recommendation Decisions regarding escalation in care and bail-out' to be made in MDT Shared decision-making with patients around escalation and 'bail out' Recommendation 12. The Health Board shared decisions. Patients requiring intensive care Recommended to Key actions taken to meet the requirements of the recommendation Standard Operating Procedure for TAVI to include clear designation of beds post-procedure Standard Operating Procedure to specify Cardiac ITU rather than General ITU for TAVI patients who require Level 3 care Recommendation 13. The Health Board shared secommendation 13. The Health Board shared in the secommendation 13.	Formal incorporation of agreed escalation and ceilings of care in MDT documentation  MDT documentation records shared decision-making with patient  ould review the designation of beds for TAVI, e should be cared for on the cardiac intensive timescale for completion: Medium term (6-12 Evidence to support action completion  Formalisation in SOP	Completed  Completed  on the ward and for recovery and irecare unit (ITU), not the general ITU.  months)  Completion timescale  Completed  Completed  Completed		None  None  Re care. Priority in terms of beds should be given and the should	iven to patients requiring TAVI ahe	cad of non-life-threatening

	Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion		
а	Appointment of Clinical Director for Cardiology	Substantive appointment made	Completed		None				
	Recommendation 14. The Health Board sho	ould forge links with the TAVI service in appro	opriate UK centres to agree a set of r	eferra	Il guidelines for patients in Wales.				
	Recommended	timescale for completion:Long term (12-24 m	onths)		Lead Officer: Cl	inical Director for Cardiology			
	Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion		
а	Establish formal link with another UK TAVI centre	Formalisation of link with another UK centre - agreement between senior leaders. See R3(b), above.	Completed		None				
b	Referral guidelines agreed	SB contributing to national referral guidelines being coordinated by WHSSC	Completed		Seek feedback from referrers				
		ould continue to be vigilant to the risk of a de				y for those patients awaiting. The ris	k score should reflect		
		ity of the current service. The TAVI service ne		risk r		to Discours Manually 11 11 11			
	Recommende Key actions taken to meet the	ed timescale for completion: Short term 0-6 mo	onths		Lead Officer: Serv	ice Director, Morriston Hospital	Updated timescales for		
	requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	completion		
а	TAVI waiting list to be reviewed at weekly operational meeting	Minutes of fortnightly Silver operational meeting	Completed		None				
b	TAVI remains of Health Board Risk Register	TAVI on Health Board Risk Register	Completed		Risk Register reviewed monthly and evaluated against progress with action plan	Quality and Safety Committee	Quarterly for 18-24 months		
	Recommendation 16. The Health Board mo	ust ensure that all incidents related to TAVI a	re captured in a single database, and	that	staff understand the importance of reporting	incidents on Datix, to provide a com	plete and coherent		
		ed timescale for completion: Short term 0-6 mo	onths		Lead Officer: Cl	inical Director for Cardiology			
	Key actions taken to meet the requirements of the recommendation	Evidence to support action completion Completion timescale			Additional Actions	Assurance Group	Updated timescales for completion		
а	All TAVI incidents to be captured in DATIX	Recording of TAVI incidents in DATIX	Completed		Incidents reviewed at TAVI M&M meeting monthly; all incidents escalated to Delivery Unit Senior Team and TAVI Gold command; reviewed by Corporate Patient Safety team	Quality and Safety Committee	12 months		
		ould establish a specific TAVI morbidity & mo widely, so that learning can be spread. There							
		ed timescale for completion: Short term 0-6 mo	onths		Lead Officer: Cl	inical Director for Cardiology			
	Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion		
l a l	Multidisciplinary TAVI Morbidity and Mortality meeting established	TAVI Morbidity and		bidity and TAVI M&M meeting established Completed			Minutes of TAVI M&M meeting reviewed monthly in Delivery Unit Quality and Safety meeting; issues to be escalated to TAVI Gold. Bi-annual review of TAVI M&M meeting notes	TAVI Gold command meeting	12 months

b	TAVI M&M meeting to include 6-monthly review of mortality  Recommendation 18. The TAVI cardiologis	TAVI M&M agenda to include 6-month mortality review  ts should agree on a named audit lead for TAV	Completed  /I. All the consultant cardiologists s	hould	Minutes of TAVI M&M meeting reviewed monthly in Delivery Unit Quality and Safety meeting; issues to be escalated to TAVI Gold. Bi-annual review of TAVI M&M meeting notes  take responsibility for inputting outcome dat	TAVI Gold command meeting  a into the BCIS database. TAVI data f	12 months or the previous year
	·	the TAVI team, as well as with cardiac surgeor		the se			
		timescale for completion: Medium term (6-12 i	months)		Lead Officer: C	linical Director for Cardiology	Harden del constant de la constant d
_	Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
а	Appointment of named audit lead for TAVI	Named Audit Lead identified for TAVI	Completed		None		
b	Audit lead to present TAVI data to multidisciplinary team	Audit data presented to MDT	Completed		None		
	TAVI service and that any issues around con	ould resist any expansion or innovation of the mplications have been identified and correcte	d	chniq			uirements of a modern
	Recommended	timescale for completion: Long term (12-24 m	onths)		Lead Officer:	Exectutive Medical Director	
	Key actions taken to meet the requirements of the recommendation	Evidence to support action completion	Completion timescale		Additional Actions	Assurance Group	Updated timescales for completion
a	Any proposal for new form of access, technique or device to be accompanied by Standard Operating Procedure and assurance regarding ability to deliver safely	Submissions to TAVI Gold Command	Completed		Initiation of any new form of access, technique or device to be reported as part of the quality report to Quality and Safety Committee	Quality and Safety Committee	24 months
b	Service developments to align with national best practice and ensuring the TAVI service is up to date	Submissions to TAVI Gold Command	Completed				
	Recommendation 20. The cardiologists and lower risk patients.	d cardiac surgeons should support the move le	ed by the commissioners to develop	an ac	ortic stenosis pathway. All parties should cons	ider the evidence base in support of	TAVI for younger and
	Recommended	timescale for completion: Long term (12-24 m	ionths)		Lead Officer:	Executive Medical Director	
	Key actions taken to meet the requirements of the recommendation	Evidence to support action completion			Additional Actions	Assurance Group	Updated timescales for completion
а	Secure support of all clinicians for the development of an aortic stenosis pathway	Agreement with clinicians - discussed with Executive Medical Director	Completed		None		
	a. Early identification of any cases where value b. Developing a TAVI femoral puncture reconstruction of the TAVI cardiologists to improve the	ould undertake further work to establish the ascular access is likely to be difficult and proactovery protocol for the lab and wards ir closure techniques either by going to anothed timescale for completion: Short term 0-6 minutes are the same and the same are the same and the same are the	ctive discussion of these cases at th	e vasc	ular MDT gestions) or inviting someone in to teach.	is to prevent their occurrence. This sh	ould include:
	Key actions taken to meet the Evidence to support action completion Completion timescale			Additional Actions	Assurance Group	Updated timescales for completion	
	requirements of the recommendation						compiction

	I Development of Standard Operating	Standard Operating Procedures developed for all types of vascular access (femoral and sub-clavian)	Completed
С	Ensure training of ward staff in managing post-TAVI care	Evidence of training programme for all staff and evidence of participation	Completed
Ιd	Establish link with other UK centre to share good practice	See R3(b), R14(a)	Completed

## **TAVI Service Quality & Safety Dashboard**

Measure	Benchmark <sup>1</sup>	apr-20	mai-20	jun-20	jul-20	Aug-20	sep-20	okt-20	nov-20	des-20	jan-21	feb-21	mar-21	Financial Year to date
Number of procedures completed		2	4	24	21	12	17	7	13	11				111
Procedural deaths (%)	2%	0	0	0	0	25% (1)	0	0	0	0				1% (1)
In-hospital deaths (%)	2%	0	0	4.2% (1)	0	0	0	0	0	0				1% (1)
30 day mortality (%)	5%	0	0	0	0	0	0	0	0	0				0%
VARC-2 Major Complications (%)	2,3%	0	0	0	0	0	0	0	0	0				0%
Stroke (%)	2,6%	0	0	0	0	0	0	0	0	0				0%
Pacemaker post TAVI (%)	12%	0	0	12.5% (3)	9.5% (2)	25% (3)	0	14% (1)	0	9.1% (1)				9% (1)
Migration/ectopic deployment (%)	1,1%	0	0	0	0	0	0	0	1	0				1%
Length of stay (days TAVI to discharge)	5,5	2	2	1,8	2	2	2	2,3	2,2	4,1				2,26
RTT (number of patients >36 weeks at end of	0													1.6 ()
month)	U	0	3	5	2	0	0	0	2	3				1.6 (mean)
Allocation of Named Consultant for TAVI patients (% compliance)	100%	100	100	100	100	100	100	100	100	100				100%

<sup>1.</sup> All benchmarks based on British Cardiovascular Intervention Society (BCIS) data, with the exception of 30-day-mortality which is based on International RCT data and RTT which is based on WG target.

1/1 23/25

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# Department of Cardiology

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Ysgrifennyddes/Secretary: Mrs Mandy Wrentmore

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Date: 29<sup>th</sup> September 2020

Dr Dave Smith/Dr James Barry Consultant Cardiologists Cardiac Centre Morriston Hospital Swansea SA6 6NL

#### Dear Dave/James

Thank you for opportunity to provide feedback on the 'revamped' TAVI service. There has been a notable and welcome improvement from a 'referrers' perspective. There are clear pathways for referral and patients are being assessed in a timely manner for consideration of the procedure.

I am reassured that some patients are actually felt inappropriate for the procedure but both we as the referrer and the patients appreciative that decisions are being made earlier with the dragging uncertainty. If patients are subsequently readmitted to hospital their management is made much easier by an early decision regarding TAVI and a clear management plan.

Those patients that undergo the procedure seem, on the whole, to do well. Communication from members of the team (in particular Nurse Specialists) has been excellent making the arrangement of investigations timely and co-ordinated. It is also of benefit that patients have a point of contact. Well done on the hard work and success of your programme.

Regards.

Yours sincerely

Dr. A.D. Raybould

**Consultant Cardiologist** 

DR JAMES BARRY CONSULTANT CARDIOLOGIST CARDIAC CENTRE MORRISTON HOSPITAL SA6 6NL



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Our Ref: JB/BW

21st September 2020

Consultant Cardiologists
Department of Cardiology
Glangwill Hospital
Dolgwill Road
Carmarthen
SA31 2AF

Dear colleagues

Hopefully you will have been aware of the changes in the TAVI service organisation and infra structure in the recent months. You will be aware that this follows on from a Royal College review. There is now a dedicated TAVI team with clear job planning to enable them to deliver this service. This is aligned with a BCIS recommended MDT and supported by 2 excellent Clinical Nurse Specialists.

We write to you now to essentially ask you – how are we doing? We would be very grateful if you could provide any feedback on the service in its current iteration by the end of October so we might further learn from your experiences and consider how we might adjust or model accordingly.

Yours sincerely

Dr James Bark Clinical Director — Cardiology

Dr Dave Smith Consultant Cardiologist