

SWSLHD
Clinical Stream Development Priorities
Cardiovascular Clinical Stream
2018 – 2020

Leading care, healthier communities



Health
South Western Sydney
Local Health District

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Overview of Cardiovascular Clinical Stream in SWSLHD

The SWSLHD Cardiovascular Clinical Stream incorporates a broad range of clinical services including cardiology, cardiac diagnostics, cardiac interventions, cardiac rehabilitation and ambulatory services, cardiothoracic surgery, renal medicine, dialysis services, renal intervention, renal supportive care, interventional vascular, vascular surgery and vascular diagnostics.

The demand for cardiovascular services in SWSLHD is projected to increase significantly in the next few years due to population growth particularly amongst recent migrants, ageing, increased incidence of diabetes and lower socioeconomic status. The demand for interventional cardiac services, cardiothoracic/ surgical services and renal replacement therapy is projected to increase significantly.

Interventional cardiac services have expanded from Liverpool to both Campbelltown and Bankstown-Lidcombe Hospitals over the past two years. This has significantly increased the capacity for these services in the LHD and brings this life saving service closer to the local community. This expansion also provides the opportunity to develop a structural heart program including TAVI at Liverpool Hospital and expand electrophysiology studies (EP), devices and peripheral endovascular services.

The demand for cardiothoracic surgery is also projected to increase significantly and will continue to be provided at Liverpool Hospital. The Cardiovascular Stream is working with facilities to plan for increased cardiothoracic services including increase in theatre access, increased ward bed base and a dedicated cardiothoracic intensive care pod in line with best practice models of care.

The District wide vascular service provides both open and endovascular procedures at Liverpool with plans to expand to Bankstown-Lidcombe and Campbelltown Hospitals by 2021.








The renal hub and spoke model of care has been strengthened by the Cardiovascular Clinical Stream to meet the significant projected increased demand for end stage renal therapies in the coming years. Campbelltown Hospital has recently opened inpatient beds with plans to increase inpatient renal services including an increase in in-centre and satellite chairs. Bowral Hospital has established a dialysis service improving access for the Wingecarribee community and plans are underway to expand this service further. The Cardiovascular Clinical Stream also supports the implementation of a renal transplant service at Liverpool Hospital by 2025.

Renal supportive care has been implemented across the LHD. This involves a multi-disciplinary approach that integrates the skills of renal medicine and palliative care to help patients with chronic kidney disease (CKD) and end stage kidney disease (ESKD) to live as well as possible by better managing their symptoms and supporting them in living with advanced disease. This initiative will be further developed across the district in line with demand.

In addition to clinical services, there is a strong focus on research and education at each facility, in conjunction with the University of NSW and University of Western Sydney. A number of prestigious grants have been awarded to the Cardiology and Renal Departments at Liverpool Hospital and the Cardiovascular Clinical Stream has had numerous articles published in peer-reviewed journals over the past year.

The Cardiovascular Clinical Stream will continue to improve the quality of patient care by fostering a strong research culture and utilising clinical and technological advances to better serve the community. The Cardiovascular Clinical Stream will continue to foster private and industry partnerships.

Service Map Key

Key	Description
	Developing service
	Partial service
	State-wide service provision
	Lead service or Centre of Excellence
	Networked service i.e. linked to "lead" service
	Single service which provides services across the LHD
	Hub and Spoke clinic provided

Service Map – Cardiovascular Clinical Stream – Current

Cardiovascular Services							
		Bankstown Hospital	Liverpool Hospital	Fairfield Hospital	Campbelltown/Camden Hospital	Bowral & District Hospital / Southern Highland Private Hospital	Community Settings
Cardiothoracics	Cardiology	Cardiology	Cardiology	Cardiology	Cardiology	Cardiology	
	Structural Heart Program						
	Cardiology Outpatient Services	Cardiology Outpatient Services	Cardiology Outpatient Services	Cardiology Outpatient Services	Cardiology Outpatient Services	Cardiology Outpatient Services	
	Interventional Cardiology	Interventional Cardiology	Interventional Cardiology		Interventional Cardiology		
	Electrophysiology and Devices						
	Cardiac Diagnostics	Cardiac Diagnostics	Cardiac Diagnostics	Cardiac Diagnostics	Cardiac Diagnostics	Cardiac Diagnostics	
	Heart Failure	Heart Failure					
	Cardiac Rehabilitation	Cardiac Rehabilitation					
	Cardiothoracic Elective Surgery		Cardiothoracic Elective Surgery				
	Cardiothoracic Emergency Surgery		Cardiothoracic Emergency Surgery				
	Cardiothoracic Surgery Outpatient Clinics		Cardiothoracic Surgery Outpatient Clinics				
	Cardiovascular Intensive Care Unit		Non-specific ICU Care				
	Vascular	Vascular Surgery	Vascular Surgery	Vascular Surgery	Vascular Surgery		
		Vascular Diagnostics		Vascular Diagnostics			
Interventional Vascular			Interventional Vascular				

Cardiovascular Services							
	Bankstown Hospital	Liverpool Hospital	Fairfield Hospital	Campbelltown/Camden Hospital	Bowral & District Hospital / Southern Highland Private Hospital	Primary and Community Health	
Renal Services	Renal Inpatient Care	Renal Inpatient Care	Renal Inpatient Care		Renal Inpatient Care		
	Renal Home Therapies	Renal Home Therapies			Renal Home Therapies		
	Pre Dialysis	Pre Dialysis					
	Community Dialysis	Community Dialysis					
	In-centre Dialysis	In-centre Dialysis	In-centre Dialysis		In-centre Dialysis		
	Pre and Post Transplant Care	Pre and Post Transplant Care					
	Renal Transplantation						
	Renal Interventional Service		Renal Interventional Service				
	Renal Outpatient Clinics	Renal Outpatient Clinics	Renal Outpatient Clinics	Renal Outpatient Clinics	Renal Outpatient Clinics		
	Renal Supportive Care	Renal Supportive Care	Renal Supportive Care	Renal Supportive Care	Renal Supportive Care	Renal Supportive Care	

SWSLHD Strategic Directions

 <p>Safe, Quality Care</p> <ul style="list-style-type: none"> • Consistently safe • Outstanding quality • Appropriate, timely care • Evidence based and patient-centred care • Cultural safety • Accountability and governance 	 <p>A Healthy Community</p> <ul style="list-style-type: none"> • Healthy people and communities • Safe, healthy environments • Knowing the needs of the community • Prevention and early intervention
 <p>Collaborative Partnerships</p> <ul style="list-style-type: none"> • Consumer, patient and carer involvement • Genuine engagement and communication • Strategic partnerships • Funding opportunities 	 <p>A Healthcare System for the Future</p> <ul style="list-style-type: none"> • Building and adapting for the future • Networked and integrated services • Agile and innovative care • Responsive to community diversity
 <p>Our People Make a Difference</p> <ul style="list-style-type: none"> • Workforce for the future • Culture of respect and compassion • Employer of choice • Effective leadership and empowered staff 	 <p>A Leader In Research and Teaching</p> <ul style="list-style-type: none"> • Delivering research innovation • Acknowledgement and recognition of research • Continuous education, teaching and training

Priority Developments for Cardiovascular Clinical Stream

Priority Service Developments (in priority order)	Linkage with Clinical Service Plans
1. TAVI service at Liverpool Hospital	Strategic & Healthcare Services Plan – Strategic Priorities in Health Care Delivery to 2021
2. Cath Lab Enhancements at Liverpool/ Campbelltown and Bankstown to backfill and meet service demands for Devices, EP and Renal access	Surgical & Procedural Care in South West Sydney
3. Enhancement of Cardiothoracic Surgical services at Liverpool Hospital – Staff Specialist, increase theatre sessions and ward beds	Liverpool Clinical Services Plan Surgical & Procedural Care in South West Sydney
4. Cardiothoracic ICU pod at Liverpool Hospital	Liverpool Clinical Services Plan
5. Vascular Hybrid Labs – Campbelltown and Bankstown	Surgical & Procedural Care in South West Sydney
6. Renal Transplant – (phased approach)	Strategic & Healthcare Services Plan – Strategic Priorities in Health Care Delivery to 2021

Service Map – Cardiovascular Clinical Stream – Future (2026)

Cardiovascular Services								
		Bankstown Hospital	Liverpool Hospital	Fairfield Hospital	Campbelltown/Camden Hospital	Bowral & District Hospital / Southern Highland Private Hospital	Primary and Community Health	
Cardiothoracics	Cardiology	Cardiology	Cardiology	Cardiology	Cardiology	Cardiology		
	Structural Heart Program		Structural Heart Program					
	Cardiology Outpatient Services	Cardiology Outpatients Services	Cardiology Outpatients Services	Cardiology Outpatients Services	Cardiology Outpatients Services	Cardiology Outpatients Services		
	Interventional Cardiology	Interventional Cardiology	Interventional Cardiology		Interventional Cardiology			
	Electrophysiology and Devices							
	Cardiac Diagnostics	Cardiac Diagnostics	Cardiac Diagnostics	Cardiac Diagnostics	Cardiac Diagnostics	Cardiac Diagnostics		
	Heart Failure	Heart Failure						
	Cardiac Rehabilitation	Cardiac Rehabilitation						
	Cardiothoracic Elective Surgery		Cardiothoracic Elective Surgery					
	Cardiothoracic Emergency Surgery		Cardiothoracic Emergency Surgery					
	Cardiothoracic Surgery Outpatient Clinics		Cardiothoracic Surgery Outpatient Clinics					
	Cardiovascular Intensive Care Unit		CICU					
	Vascular	Vascular Surgery	Vascular Surgery	Vascular Surgery	Vascular Surgery	Vascular Surgery		
		Vascular Diagnostics		Vascular Diagnostics		Vascular Diagnostics		
Interventional Vascular			Interventional Vascular		Interventional Vascular			

