

TAKING PRESSURE OFF PUBLIC HOSPITALS 2008-2013

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SIGNED FOR AND ON BEHALF OF THE GOVERNMENT OF WESTERN AUSTRALIA, DEPARTMENT OF HEALTH BY

(Signature)

Hon. Dr. KIM HAMES DEPUTY PREMIER MINISTER FOR HEALTH

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TAB	LE OF CONT	ENTS	Page
1.	Executive S	ummary	1
2.	Background		1
3.	Initiatives		2
	3.1	The Four Hour Rule Program	2
	3.2	CapPlan	5
	3.3	Bunbury Regional Hospital	6
	3.4	Pathology System Improvements	7
4.	Measures ar	nd Key Performance Indicators	7
	Appendix	1 - Implementation Plans	9
	The Fou	r Hour Rule Program	10
	CapPlan		15
	Bunbury	Hospital Redevelopment	16
	Anatomi	cal Pathology Laboratory	17
	Tissue P	rocessing & Histopathology	19

1. EXECUTIVE SUMMARY

WA Health provides a high standard of clinical care to its patients and this will continue. However, demand for services, particularly for unplanned care, continues to rise.

WA Health is committed to improving health outcomes for all West Australians by providing an efficient hospital system offering services at the right time and the right place whether it is planned or unplanned.

WA Health faces major challenges that produce tensions that must be reconciled:

- It must drive major widespread process changes in hospital care to enable timely access to acute care.
- It must do this while demand increases at a greater rate than resources and workforce can accommodate using existing models.
- It must do so while simultaneously improving patient experiences and outcomes plus enhance workforce engagement.

There are several initiatives planned to improve the delivery of services and confront the challenges that will take pressure off public hospitals:

- · The Four Hour Rule Program
- The Bunbury Regional Hospital Development
- A predictive Capacity Planning Tool CapPlan
- Improvements to Pathology Services

2. BACKGROUND

Throughout 2007-08 Western Australian metropolitan tertiary hospitals continued to experience increased demand on Emergency Departments (EDs), difficulties with the flow of patients through EDs, inpatient areas and discharge into the community or alternative places for care.

Currently WA tertiary hospitals work consistently above the recommended levels of 90 per cent bed occupancy. Access block (the percentage of patients waiting more than eight hours for an inpatient bed) is considered to be significant, and rates poorly compared with other jurisdictions. Access Block during 2008, has increased by 20.1% compared with 2007.

The number of attendances to metropolitan public hospital EDs, grew by 6.8% (or 21,258 attendances) in 2008 (335,357 attendances) compared with 2007 (314,099 attendances)¹. The corollary to this is that ED admissions to metropolitan public hospitals, for 2008, increased by 2.3% (or 1,762 admissions) over 2007².

¹ Source: Metropolitan public hospitals and JHC data from the Acute Management Demand System.

² Source: Metropolitan public hospitals and JHC data from the Acute Management Demand System. PHC data supplied from EDDC.

The median waiting time for patients to be seen in an ED at the metropolitan public hospital, has increased by 10.5% to 42 minutes in 2008 compared with 2007 figure of 38 minutes³.

In WA, the challenges within our metropolitan hospitals have also been reflected in the rural area. The resources boom and the associated population growth, as well as reduced primary care availability have increased demand for services in the rural areas. The number of attendances at WA Country public hospitals increased by 8.0% (or 19,980 attendances)⁴.

The Commonwealth National Partnerships Project has earmarked funds for WA Health to specifically implement initiatives to manage emergency demand; in particular:

- Improve the number of patients being treated in clinically appropriate periods of time
- Decrease the number of patients experiencing access block
- Provide data on emergency departments to the Commonwealth

The initiatives outlined below will address the key elements of managing emergency demand and focus on improving the patient journey with anticipated benefits for both patients and staff.

3. INITIATIVES

3.1 The Four Hour Rule Program

Role: Improve the number of patients being treated in clinically appropriate periods of time

The new Four Hour Rule Program will see fundamental changes to the way patients are admitted, discharged and/or transferred right across WA's public health system. The focus is on maintaining WA Health's excellence in clinical care, but improving the patient's journey and experience as well as providing benefit to the hospital workforce.

The Program will aim to ensure that 98 per cent of patients arriving at WA Health emergency departments (EDs) are seen and admitted, discharged or transferred within a four-hour timeframe, unless required to remain in the ED for clinical reasons.

The Four Hour Rule will also assist in achieving the benchmark of 80% of presentations being seen within clinically appropriate times. Appropriate clinical judgement will continue to be paramount and underpinned by relevant triage and other guidelines.⁵

³ Department of Health, ICAM. As this is a new collection, checking and editing processes are in development. The quality of the collection is improving; however, caution is advised when analysing this data.

⁴ Source: Metropolitan public hospitals and JHC data from the Acute Management Demand System. WACHS data is supplied directly. PHC data supplied from EDDC.

⁵ The triage process mentioned in NPA Key Performance Benchmark D11 is one element of the Four Hour Program, which focuses on the entire patient journey throughout the Emergency Department. The ACEM triage guidelines will continue to be a key management measure as part of this broader process. WA Health also will continue to submit triage data as defined under the Non Admitted Patient Emergency Department National Minimum Data Set*1.

The Program will support and be informed by existing operational reform initiatives that target particular aspects of demand management. These interdependencies include:

"Friend in Need - Emergency" (FINE) scheme

The Program will be closely aligned with the State Government's \$84 million "Friend in Need - Emergency" (FINE) scheme, which will see the Government working in partnership with health and community care to help older and chronically ill patients to give them an alternative to hospitalisation.

Subsidies to General Practice (GP)

The 'Grants to After Hours General Practice' Program would integrate with, and compliment, existing Emergency Demand portfolio programs including: GP Super clinics; Health Connect; Health Direct; Residential Care Line; and FINE scheme.

This election commitment of \$ 8 million over four years will involve a staged program roll out over a one-year period with Metropolitan General Practices targeted in Phase I, and regional/country centres included in Phase II roll out in Year 1. Operating subsidies will be offered to up to 20 general practices per year in the Perth metropolitan area and regional centres to offer late-night or 24 hour manned services. The value of the subsidies will be up to \$100,000 per year for weeknight services from 8pm-midnight, Saturday afternoons and Sundays. A subsidy of up to \$200,000 will be available for practices that provide midnight-to-dawn services where they can be sustained

Models of Care

Models of Care define the approach to the prevention, treatment and continuing care spectrum for particular health conditions or population groups. They provide the framework that will assist the Four Hour Rule program to ensure that services remain within the accepted and recommended course of intervention for patients.

eHealthWA

eHealthWA aims to provide a modern, integrated and user-friendly technology platform to support the delivery of public health care in Western Australia. Initiatives will involve upgrading or enhancing operational computing systems in hospitals and other health service facilities. These initiatives will assist in increasing the safety and efficiency of services and hence the patient journey through hospital.

Four Hour Rule Program Timeline

The Statewide Program follows the three key phases over its lifespan. This includes;

Four Hour Rule Targets

The overall target for the Statewide Program is to improve the quality of care provided to patients by ensuring that 98 per cent of patients arriving at EDs are seen and admitted, discharged or transferred within a four-hour timeframe.

WA Health will be expected to reach the target Statewide by mid-2012. Each hospital will have a two-year period in which to achieve the overall target of 98 per cent of patients arriving at EDs to be seen and admitted, discharged or

transferred within a four-hour timeframe. Within that two-year period, achievement of the following interim milestones will also be monitored:

- Complete a diagnostic analysis of the facility within the initial 26 weeks.
- Ensure 85 per cent of patients arriving at EDs are seen and admitted, discharged or transferred within a four-hour timeframe within 12 months of implementation start date.
- Ensure 95 per cent of patients arriving at EDs are seen and admitted, discharged or transferred within a four-hour timeframe within 18 months of implementation start date.
- Ensure 98 per cent of patients arriving at EDs are seen and admitted, discharged or transferred within a four-hour timeframe within 24 months of implementation start date.

This means for each Stage of the Program, the following annual targets will be achieved:

- April 2009 April 2010 (year one): Stage 1 sites to achieve 85 per cent of patients arriving at EDs are seen and admitted, discharged or transferred within a four-hour timeframe.
- April 2010 April 2011 (year two): Stage 1 sites to achieve 98 per cent of
 patients arriving at EDs are seen and admitted, discharged or transferred
 within a four-hour timeframe; and Stage 2 sites to achieve 95 per cent of
 patients arriving at EDs are seen and admitted, discharged or transferred
 within a four-hour timeframe.
- April 2011 April 2012 (year three): Stage 2 sites to achieve 98 per cent of
 patients arriving at EDs are seen and admitted, discharged or transferred
 within a four-hour timeframe; and Stage 3 sites to achieve 98 per cent of
 patients arriving at EDs are seen and admitted, discharged or transferred
 within a four-hour timeframe.

Role: Decrease the number of patients experiencing access block

The key element of the four hour rule will be to embed a system change that will ensure sustainable efficiencies with emphasis on optimal patient care. The methodology of the program is based on using clinical service redesign processes that promote health service provision based on diagnostics and utilises data to ensure real blockages are identified and relevant solutions are generated to ensure patients move through a coordinated system to receive high quality care. The outcome of these service improvements will impact significantly on reducing access block.

The Clinical Service Redesign program is based on each site finding solutions to ensure the performance indicators are met; therefore part of the funding dedicated to the four hour rule program will be dedicated to the innovative solutions which are generated after the completion of the diagnostic phase. Hospital sites will be required to present a business case for each solution prior to its implementation. Each solution will be subject to evaluation against criteria assessing the solution's benefit to the performance benchmark indicators; the patient; its sustainable outcome; the complexity of its implementation; its impact on service provision; and, its alignment with the strategic reform agenda. Following a cost-benefit analysis each solution will receive sign-off by the Director General.

Four Hour Rule Risk Management Plan

The following issues have been considered as the priority risks and will be reviewed and managed in the planning, implementation and review phases of the Program:

Workforce

The changes introduced by this Program may require a redesign of workforce roles and practices. The clinical service redesign methodology requires that hospitals undertake a detailed diagnostic evaluation of their processes and practices in light of current and future constraints (including workforce) and develop solutions accordingly. In instances where workforce risks are highlighted, solutions may involve extended scope of practice or redesign of roles to aid attraction and retention.

Increase in demand

Given the benefits of implementing the Program, it is possible that sites will experience an increase in ED presentations. With the publicised timeframe in which people will be seen and treated, the public may choose to disregard alternative primary care options in lieu of convenience at public hospital sites.

Communication about the Program to the public will need to be contained to manage expectations, and other statewide initiatives will assist with disseminating core messages about alternative avenues for treatment (e.g. FINE Program, Models of Care).

Achieving the target

The scale and scope of this Program to be delivered within a three-year period will require a dedicated team of resources and active management to ensure momentum is maintained and deliverables are met. A structured implementation plan, dedicated resources at each site and a clear governance structure will assist with maintaining timelines and accountability for achieving Commonwealth⁶ and State Program targets.

3.2 CapPlan

Role: Decrease the number of patients experiencing access block

CapPlan is an inpatient capacity planning program that will run complementary to the Four Hour Rule Program. CapPlan forecasts future patient activity to improve operational performance.

The program aims to match resources to patient demand for acute services, which ultimately will be able to reduce hospital wide gridlock events and improve access block. The program's objective is to:

- Identify potential congestion or overcapacity
- Forecasts future patient activity annually, right down to a shift by shift basis and is proven to be 95% accurate for quarterly forecasts and over 97% accurate for 72 hour forecasts

⁶ The Commonwealth target states that by 2012-13, 80% of emergency department presentations are seen within clinically recommended triage times as recommended by the Australasian College of Emergency Medicine.

 Enables resources, including beds, nurses and other human resources to be matched to forecast patient activity

CapPlan enhances the operational aspects of nurse managers and executive to accurately plan inpatient beds and staffing to meet workload variation throughout the year through forecasting and visibility.

The capacity planning tool can be used effectively in high turnover areas (Emergency areas and Operating theatres) to improve length of stay, growing waitlists and reduce the risk of cancelled elective surgery and theatre lists.

Emergency Department

- Ensures emergency and bed capacities are planned & aligned to meet emergency patient workloads;
- allows planning of ED staffing and physical capacity to match anticipated Emergency patient presentation patterns and also manage the flow of admissions into inpatient beds

Operating Theatre

- Ensures that theatre & bed capacities are planned and aligned to meet contractual and pt workload obligations
- allows planning, alignment & management of both theatre and bed capacities on an ongoing basis, by understanding the flow on impacts theatre sessions have on bed capacities and acute workloads

3.3 Capital Works Bunbury Regional Hospital

Role: Decrease the number of patients experiencing access block

The ABS 2006 Census indicates there were 135,555 persons living in the South West catchment at that time.

Bunbury Hospital (BH) is the only regional referral hospital for the South West and is responsible for providing health care services to people in the South West. Bunbury Hospital has a total of 98 overnight beds and 8 day beds. St John of God Private Hospital is co-located with BH and has 120 beds, including 16 day beds.

The Bunbury Health Campus, including both public and private components, is the only regional referral hospital in the South West and provides the 'hub' of the 'hub and spoke' network for this region and acts as the regional referral centre for:

- diagnostic, secondary-level acute and procedural (surgical) services
- · emergency and outpatient care
- specialist services (e.g. obstetrics) and
- · the coordination of outreach specialist services.

WA Tomorrow⁷ population projections estimate that the South West region will reach a population of 189,000 by 2031, a 39.5% increase on 2004. It is important to note that the projected rate of growth for the number of individuals that will be 70+ by the year 2031 is greater than any other age category.

⁷ Western Australian Tomorrow - Western Australian Planning Commission

Compounding this issue Bunbury Hospital is the Regional Resource Centre for the SW Region and is the only ED in Bunbury. It has 15 treatment bays, including 3 resuscitation bays. In 2007/08 the ED had 33,681 patient attendances and based on future ED activity attendance projections and population growth the requirement for additional treatment bays to enable Bunbury Hospital to support the demands of the catchment area to 2016 is imperative.

Increasing the emergency capacity at Bunbury hospital to 34 bays and 10 observation beds will assist with managing increased demand from projected population growth within the region.

The expansion of the Bunbury health campus will:

- Increase the physical capacity of ED to meet patient activity projections
- Provide sufficient capacity to ensure that Bunbury Hospital is well positioned to meet the 'Four Hour Rule' ED waiting standard.
- Improve patient flow within Bunbury Hospital by the utilisation of an Observation Area and prevent unnecessary hospital admissions.

3.4 Pathology System Improvements

Role: Decrease the number of patients experiencing access block

The WA health system will require significant improvements in efficiency, reduced costs, reduced LOS and improvements in timeliness and quality of care in facing the challenges of an aging and increasing population and reducing resources.

The pathology system improvement consists of two projects, the:

- 1. modernisation of the Histopathology Laboratories as a necessary step towards improving our timelines in reporting on complex cases within hospitals.
- 2. implementation of an efficient IT service (Anatomical Pathology Laboratory Information System AP LIS) that will complement and provide the necessary infrastructure for the modernisation and automation of an efficient pathology service.

Current histopathology processing systems in WA are based on 100-year old technology and impact on turnaround time of results. Introducing an automated tissue processor will revolutionise long established work processes and reduce the time required to process tissue from 8 - 12 hours to a single hour. This alone will provide clinicians with information that will influence treatment and ultimately benefit patients. It will also ensure attention is focussed on more rapid processing and reporting of complex cases thus enhancing hospital patient care and reducing hospital stay.

The AP LIS is the main laboratory information system used in the WA Pathology Centre and tertiary hospitals. The patient AP records are accessed by pathology consultants across all public tertiary and community hospital sites to aid in clinical decision making.

The new AP LIS will improve efficiency of diagnostic services and reduce report turn-around-times for hospital emergency department and in-patients. The new LIS will reduce defects in the laboratory which will most significantly result in the number of amended and cancelled reports issued due to processing and reporting errors, ultimately translating into improved patient care.

4. MEASURES AND KEY PERFORMANCE INDICATORS

Role: Provide data on emergency departments to the Commonwealth

The Department of Health WA, agree to provide data under the national minimum data sets, including the non admitted emergency department care minimum data set as outlined in the National Healthcare Agreement.

Within two years of commencing the Four Hour Rule Program, hospital sites will need to ensure that 98 per cent of patients arriving at emergency departments are seen and admitted, discharged or transferred within a four-hour timeframe. A range of additional and supporting measures have also been incorporated and/or developed to ensure patient safety remains paramount and quality of care is the resulting outcome of the Program.

A Statewide Program Dashboard will monitor the progress of hospital sites against the overall target as well as using a number of key performance indicators (KPIs) including those outlined in the Hospital and Health Workforce Reform National Partnership Agreement.

4. APPENDICES

APPENDIX 1

Taking Pressure off Public Hospitals - Department of Health Western Australia

Targets of Schedule D

- 1. By 2012-13, 80% of emergency department presentations are seen within clinically recommended triage times as recommended by the Australasian College of Emergency Medicine
- 2. By 2013-14, 95% of Hospitals with an ED report to the non-admitted emergency department care national minimum data set collection

Role of State	Key Deliverables for State	Timing	Cost	Expected effects on
	Implementation		TO CONTRACT OF THE CONTRACT OF	Performance Benchmarks
	Plan			
FOUR HOUR RULE	The Four Hour Rule (as	WA Health will be expected	Total program cost of \$56.4	WA Health's Four Hour Rule
	above) is a system wide	to reach the target	million comprising \$20.3	Program will improve
	initiative that will involve	Statewide by mid-2012.	million- for program costs	achievement of Target 1,
Target 1.	individual hospital sites	Individual hospital sites will	including salaries, wages,	from 60% of emergency
Improve the number of patients	creating solutions that will	need to reach the target	ongoing coaching,	department presentations
being treated in clinically	enable them to achieve the	within two years of	consultancy supports and	seen within clinically
appropriate periods of time	four hour target.	commencing the Program.	incidentals.	appropriate times in 2005-06
				to the target indicator of
	Common elements of	Implementation of the Made up of:	Made up of:	80% by April 2012.
	Clinical Services Redesign	Program will commence in a	Stage 1: \$6.3million	•
	that are likely to occur at	series of stages:	Stage 2: \$5.6million	The mechanism for this
	hospital sites include:	Stage 1:	Stage 3: \$8.4million.	performance improvement
	 Patient streaming and 	April 2009 - Royal Perth	•	will be:
	redesign of triage	Hospital (RPH), Sir		 98% of patients being
	process	Charles Gairdner	An additional \$36.1 million	seen and admitted.
	 Extended roles and 	Hospital (SCGH),	has been allocated for the	discharged or
	scope of practice of	Fremantle Hospital (FH),	Program's solutions which	transferred within four
	staff to increase timely	and Princess Margaret	are generated after the	hours- a shorter
	decision making	Hospital for Children	completion of the diagnostic	timeframe than is
	Reduced duplication of	(PMH).	phase. Hospital sites will be	currently experienced.
	services in the ED		required to present a	Reduced overcrowding in

emergency departments. Increased capacity of clinical staff to assess patients within the required standard.	
business case for each solution prior to its implementation. Each solution will be subject to evaluation against criteria assessing the solution's benefit to the performance benchmark indicators; the patient; its sustainable outcome; the complexity of its implementation; its impact on service provision; and, its alignment with the strategic reform agenda. Following a cost-benefit analysis each solution will receive sign-off by the Director General.	
• October 2009 - General hospitals with emergency departments including, Rockingham General Hospital, Armadale-Kelmscott Memorial Hospital, Swan District Hospital, Swan District Hospital and Special Care Health Service, Bunbury Regional Hospital and Joondalup Health Campus will also be included at this stage. Stage 3: • April 2010 - Regional resource centres including Kalgoorlie Hospital (Goldfields), Albany Hospital (Goldfields), Geraldton Hospital (Mimberley), Geraldton Hospital (Midwest), Port Hedland Hospital (Pilbara). Nickol Bay Hospital in Karratha, King Edward Memorial Hospital and Peel Health Campus will also be included in this stage.	
Increased focus on strategies to allow early morning discharge for appropriate patients ie. Earlier review by more senior staff. In the series of th	

FOUR HOUR RULE Initial	Target 2. Decrease the number of patients patients admess Block admetran transfer and transfer and transfer and a for a	The a CI met	Step - Tr - T
Initiative Introduction of the Four Hour Rule Program across	the jurisdiction- 98% of patients to be seen and admitted, discharged or transferred from EDs within a four hour timeframe.	The Four Hour Rule will use a Clinical Services Redesign methodology to create whole of hospital change.	Steps to Implementation - Training in Clinical Services Redesign methodology for Executives, Project Leads and Project Team members - Develop of Communication and Stakeholder Management Strategy - Establish governance structure - Allocate resources to individual hospital sites - Ongoing coaching and support for Executives, Project Leads and Project Team members Performance Information A Dashboard of indicators has been established.
As Above			
As Above			
As Above			

assure ne litisation ation and linical sures lrices and sures sures sures	being seen charged or n a four y 12 being seen charged or n a four y 18 being seen charged or n a four y 18 y 24	Hospital with EDs in the WA Supports additional EDs Same as target 1 Country Health Service being included in the lataset (WACHS) currently do not provide triage date and time provide triage date and time be able to be delivered.
Indicators will measure performance in the categories of: 1. Activity and utilisation measures 2. System integration and change measures 3. Quality and clinical outcome measures 4. Hospital resources and capacity measures	This initiative will lead to: - 85% of patients being seen and admitted, discharged or transferred within a four hour timeframe by 12 months 95% of patients being seen and admitted, discharged or transferred within a four hour timeframe by 18 months 98% of patients being seen and admitted, discharged or transferred within a four hour timeframe by 24 months.	Initiative WA currently reports national minimum dataset information on public hospitals that have an ED.
		FOUR HOUR RULE Target 3. Hospitals with an ED report to the non-admitted emergency department care national minimum

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quarterly rather than annual	national reporting will be	problematic for small rural	sites given workforce	constraints and current IT	processes.			WA currently receives data	for all EDs and Emergency	Services in WA (except St	John of God Hospital,	Murdoch (SJGHM) - a	private, not for profit health	facility) Collection of data	from this site would need to	be examined in the context	of current legislative	arrangements. Previous	discussions with SJGHM	around the collection of ED	data have not been	successful
has already been undertaken	to address this shortfall,	with these items scheduled	to be collected as of 1 April	2009.																		
All metropolitan	EDs (including Joondalup	Health Campus and Peel	Health Campus) comply with	the	current national reporting	requirements as defined by	the Non-Admitted National	Minimum Data Set (NMDS).			WA is a member of the	National Health Information	Statistics and Standards	Committee, and through this	group will work with all	jurisdictions to see	definitions matters around	EDs addressed.				
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Role of States	Key Deliverables for	Timing	Cost	Expected effects on
	States Implementation Plan			Performance
CAPPLAN	The CapPlan project is an	The CapPlan program will	CapPlan costs of \$ 2.88	The ability to accurately
	inpatient capacity program	complement the 4 hour rule	million over 4 years.	forecast likely demand and
	that predicts acute patient	project and will be	Consisting of:	resource needs for any given
	bed demand.	implemented in parallel with	09/10 \$900,000	day and the hour of the day.
Target 2.		the staged 4 hour rule	10/11 \$659,307	
Decrease the number of patients	The objectives of the	project in the tertiary	11/12 \$659,037	The 99% accuracy in
experiencing Access Block	program are to:	hospital sites ie Royal Perth	12/13 \$659,038	predictability will:
	 Match resources to 	Hospital, Sir Charles		
	patient demand for	Gairdner Hospital,		
	acute services.	Fremantle Hospital, King		Reduce hospital-wide
	 Provide elective 	Edward Memorial Hospital		gridlock events
	capacity to meet	and Princess Margaret		
	community need whilst	Hospital.		The capacity planning tool
	remaining within			can be used effectively in
	budget.			high turnover areas
	 Can predict daily acute 			(Emergency areas and
	patient demand -			Operating theatres) to
	forecasting hourly acute			improve length of stay,
	inpatient bed demand or			growing waitlists and reduce
	3 or 12 month demand.			the risk of cancelled elective
	 Predictive ability has 			surgery and theatre lists.
	been shown to be 99%			
	accurate for a 24 hour			
	period during the pilot			
	at Sir Charles Gairdner			
	Hospital.			
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Role of States	Key Deliverables for	Timing	Cost	Expected effects on
	States Implementation Plan			Performance
BUNBURY REGIONAL HOSPITAL	Initiative	Increase the emergency	Capital works estimated at	The expansion of the
	Introduction of the Four	department capacity at:	\$14.1 million	Bunbury health campus will:
	Hour Rule Program in	Bunbury Hospital to 34 bays		 Increase the physical
	Bunbury Hospital - 98% of	and with the development of	The cash flow for this	capacity of ED to
Target 2.	patients to be seen and	10 observation beds to	project is as follows:	meet patient
Decrease the number of patients	admitted, discharged or	manage increased demand	09/10 \$1.2m	activity projections
experiencing Access Block	transferred from the ED	due to projected population	10/11 \$3.9m	
	within a four hour	growth in the region in a	11/12 \$8.3m	 Provide sufficient
	timeframe.	timely manner.	12/13 \$700k	capacity to ensure
				that Bunbury
	Modification of emergency	Initiation of a		Hospital is well
	departments to better	reconfiguration of the		positioned to meet
	facilitate patient streaming	department to accommodate		the 'Four Hour Rule'
	initiatives, including the	a fast track hub at Bunbury		ED waiting standard.
	creation of special	Hospital as a business		,
	treatment centres for high	contingency whilst the		Improve patient flow
	volume low risk patients.	capital project is progressed		within Bunbury
				Hospital by the
				utilisation of an
				Observation Area
				and prevent
				unnecessary hospital
				admissions.
			,	

Role of State	Key Deliverables for	Timing	Cost	Expected effects on
	State Implementation			Performance
	Plan			Benchmarks
ANATOMICAL PATHOLOGY	Initiative	The new APLIS will be	\$680,00 TOTAL for the AP	Performance Information
LABORATORY	Implement a new	expected to be implemented	LIS equipment	
	Anatomical Pathology	at PathWest and results from		A number of indicators have
	laboratory information	the new system available to		been established to measure
-	system (AP LIS) in PathWest	WA Health Public Hospitals		performance in:
Target 2.	Laboratory Medicine WA to	by early 2012.		
Decrease the number of patients	replace the existing LIS (AP			1. Report turn-around times
experiencing Access Block	System) which cannot be	Stage 1. Oct- Dec 2009		based on complexity of
	effectively further	Tender process		specimen referral as
	developed to be a			determined by the Medicare
	standardised LIS that meets	Stage 2. Jan-Mar 2010-		Benefits Schedule. This will
	the needs of Public	Establish a PathWest AP LIS		improve turn around times
	Hospitals, modern AP	support team comprising of		thus support the
	laboratories and	staff members from		presentations being seen
	expectations of referring	PathWest AP and HIN.		within clinically
	clinicians			recommended times and
		Stage 3. Apr 2010-Sep 2011-		reduce access block for both
	1. Improve AP diagnostic	The purchase and		Emergency patients and in
	services to Public Hospital	implementation of the AP		patients.
	Emergency Department	LIS at all PathWest AP sites		
	patients and in-patients.			
	Clinicians to provide higher	Stage 4. Oct - Dec 2011 -		
	quality patient care by	Develop the role of an		
	reducing report turn-around-	Informatics specialist in AP		
	times and reducing hospital	and offer a fellowship		
	stay.	opportunity for a consultant		
		pathologist.		
	2. Enhance the efficiency,			
	timeliness and flexibility of			
	ng through			
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TTTTP/PHILIPMINANIA	workforce (particularly			

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time), ice costs and flow.	nt modern eporting on material, nced image transfer and improve	system with esses to Lean based continuous efficiency in PathWest is to enable of of a "zero-	odern AP n with networked facilities stabases.
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time), service costs and rorkflow.	ment modern f reporting on material, dvanced image age transfer and to improve f reporting.	e IT system with processes to Lean ing-based to continuous and efficiency its in PathWest pries to enable ment of a "zero-formance goal.	a modern AP stem with ive networked ased facilities to databases.
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Role of State	Key Deliverables for	Timing	Cost	Expected effects on
	State Implementation Plan			Performance Benchmarks
TISSUE PROCESSING &	Initiative:	Stage 1	Processing and reporting	
HISTOPATHOLOGY: A MODERN			Systems:	Mechanism performance
APPROACH	Implement a modern	PathWest Anatomical		improvements will be:
	system of tissue processing	Pathology Department at QE	Subtotal: \$870,000	
Target 2.	and workflow to improve	II Medical Centre (2009-		As Above.
Decrease the number of patients	turnaround time for	2010)	Imaging system:	
experiencing Access Block	histopathology reporting			Internal benchmarks will be
	for hospital inpatients and	Stage 2	Subtotal: \$300,000	achieved in the following
	outpatients in Western			areas which further
	Australian public hospitals.	PathWest Anatomical	Total \$1,170,000	demonstrate an
		Pathology Department at		improvement in access
	1. Implement modern tissue	Fremantle Hospital		block.
	preparative workstations.	(2011).		
	2. Implement modern low			1. High throughput tissue
	toxicity continuous rapid	Stage 3		processing and reporting
	throughput automated tissue			systems will result in
	processing systems.	Transfer equipment and		improved turnaround times
	3. Use gastrointestinal	systems from Fremantle		for complex inpatient
	mucosal biopsies as a model	Hospital to the Fiona Stanley		pathology cases and
	for standardisation and	Hospital.		therefore allowing clinically
	improve efficient of high	(2014-2015).		appropriate treatment in a
	volume histopathology			timely manner, impacting
	reporting.			positively on discharge and
	4. Implement a "Reporting			therefore ultimately
	Station" approach to			affecting Access Block.
	histopathology reporting,			
	which comprehensive			2. The implementation of
	computer monitor based			state of the art imaging
	cullicat illioination,			systems will have a longer

diagnostic imaging, and	The state of the s	term effect in allowing more
patient history.		efficient reporting and
5. Investigate the use of high		improved turnaround time.
resolution computer images		Again this will positively
rather than microscope		impact on patient
slides for histopathology		management in hospitals
reporting, interdepartmental		and ultimately on Access
consultation, archival		Block.
storage and quality		
assurance.		3. Reduction in the number
		of laboratory defects
		determined from internal
		procedures assessments
		(case audits) by 30% by
		December 2012 towards the
		goal of 'zero' defects.
		4. Keduction in the number
		reports arising from
		laboratory defects by 20% by
		December 2012.