# Identifying Measures for Improvement through the use of Driver Diagrams

# Denis O'Leary doleary.aus@gmail.com



# 11.30 CONFERENCE WORKSHOP

# Identifying Measures for Improvement Through the use of Driver Diagrams

- Driver diagrams application to the surgical patient pathway
- Using driver diagrams as a tool for quality, safety & efficiency
- Developing measures for improvement with real examples
- Denis O'Leary, Senior Project Manager, Ballarat Base Hospital, Victoria



### **Acknowledge**

# *Robert Lloyd and IHI for some* slides used in this presentation









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# System Inputs



#### Material

- Supplies
- Drugs

#### Participants

- Providers
- Staff
- Patients
- Management

#### Equipment

- Buildings
- Computers
- Medical equipment





 A series of activities and decisions that lead to outcomes

- Standard Operating Practices
- Patient encounters
- Clinical protocols











- Outcomes are qualities that have value for Stakeholders
  - Most participants
  - Patients
  - Public

**Outcomes** 

- Media
- Board of Directors
- Department of Health





It's important to define the system that you're trying to work in, and that system can be defined very nicely through something called a driver diagram. The driver diagram is a pictorial display of a system.



# Driver Diagrams











- A driver diagram helps to focus on the cause and effect relationships that exist in complex situations. It provides a simple way to break down aims into well defined drivers that can then form the focus of efforts. It includes:
  - The aim or goal of the effort (which can be taken from the aim statement).
    Where appropriate, a number of aims may be shown on the same driver diagram.







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  - The primary drivers which are the system components that contribute directly to the chosen goal or aim



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  - The secondary drivers which constitute elements of the primary drivers which can be used to create change projects



# **Driver Diagrams**

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    Where appropriate, a number of aims may be shown on the same driver diagram.
  - The primary drivers which are the system components that contribute directly to the chosen goal or aim
  - The secondary drivers which constitute elements of the primary drivers and which can be used to create change projects
  - The relationship arrows which show the connection between the primary and secondary drivers. A single secondary driver may impact upon a number of primary drivers.



# Example(s)









Primary drivers



Primary drivers



Primary drivers























# Elements of a driver diagram link together Cause and Effect


## Elements of a driver diagram link together Cause and Effect

If we take just one primary driver " Coordination of Care" and its associated secondary drivers we can see the cause and effect linkages



















Aim to reduce the burden of dental disease

> Measures can be created all across the driver diagram to create a system of linked measurements



Ballarat **Health** Services Putting your health first

#### Aim to reduce the burden of dental disease

% of pts with new cavitation

Measures can be created all across the driver diagram to create a system of linked measurements



Ballarat **Health** Services Putting your health first

#### Aim to reduce the burden of dental disease

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Ballarat **Health** Services Putting your health first

#### Aim to reduce the burden of dental disease

% of pts with new cavitation

% of patients complaining of pain

% of pts with OR Tx

Measures can be created all across the driver diagram to create a system of linked measurements











## What Changes Can We Make?

## Understanding the System for Weight Loss



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#### How Will We Know We Are Improving?

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### **Understanding the System for Weight Loss with Measures**



## **Aim Statement**

The Aim Statement helps to focus on what it is trying to accomplish. It provides a specific, measurable statement of intent. It identifies:

- The boundaries of the system to be improved (i.e. the scope, patient population, the processes to change with their beginning and end points, the providers affected etc.)
- The numerical goals for the desired outcomes which are ambitious but achievable (i.e. goals are not set arbitrarily)
- The timeframe for achievement of the goal
- The guidance for the team which constrain or shape how the improvement is undertaken (e.g. in keeping with Department of Health guidance or local strategies, led by a sponsoring Director, linked to a reconfiguration proposal, focused upon a specific improvement strategy etc.)



### An example Aim Statement



Technical: Orthopedic surgeon

Guidance

Day-to-day: OR manager, surgical technician

Additional members: Safety specialist, nursing





- 1. To undertake surgical procedures in a safe and effective manner which will result in a quality patient experience
- 2. To work in a learning and respectful environment in the Operating Suite that encourages excellent team work.
- 3. To provide to surgical patients an excellent patient experience
- 4. To deliver the Surgical Services agreed business plan for the financial year 2014 15.





To work in a learning and respectful environment in the Operating Suite

that encourages excellent team work.



Increased Operating Theatre Utilisation Decreased unplanned leave Decreased clinical incidents Increased staff retention Increased knowledge & skills

**Outcome:** 



To provide to surgical patients an excellent patient experience



Outcome: Patient satisfaction survey Length of stay Wait times Incident Monitoring To undertake surgical procedures in a safe and effective manner which will result in a quality patient experience



Measures

To undertake surgical procedures in a safe and effective manner which will result in a quality patient experience



Measures

Outcomes



## **Measures & their Build Up**











#### **DON Surgical Access**





#### **Efficiency & Value Driver Diagram**



# **Other Measure**

# Efficiency

- Unused Theatre and anaesthetic room Time (downtime)
- total number of staff involves through day (new staff, break cover, etc)
- Additional equipment and packs used per day/case
- Theatre utilisation (used sessions by speciality)
- Session utilisation (actual time used on session)

URN	Fin Year	Diagnosis Desc
Admission Key	Week	Procedure
Age On Admission	Surgery Start Time	Procedure Desc
Sex	Surgery End Date	CMBS
Postcode	Year	CMBS Desc
Admit Group	Day	WIES
Admit Ward	Month	OPERATION TYPE
Financial Class	Surgery End Time	Late Start
Admisson Date	Left Date	PRIORITY
Admis Time	Left Time	ADMISSION TYPE
Discharge Date	Depart Time	PPP
Discharge Time	Anaes Time	PPP DESCRIPTION
Same Day Flag	Surgeon Time	Day - 2
LOS	OR Time	Admission Hr.
Unit	OR Hours	Discharge Hr.
Operation Date	Surgeon Code	Time Out Hr.
Operation No	First Surgeon	Anaes. Start Hr.
Theatre	Surgeon 1	Surgery Start. Time
Session Group	Surgical Registrar 1	Surgery Finish Time
Session Code	Anaesthetist Code	Left OR Hr.
Specialty	Anaesthetist	Depart Hr.
Call Time	iPM Anaesthetist Status 1	Recovery Time
Arrival Time 1	Anaesthetic Type	Period 2
Time Out	ASA Score	Recovery Hr.
Anaes Date	Wound Classification	DRG 2
Anaes Start	WList Rprt Status	Time to Surgery
Time Period	DRG	Contact Hours
Anaes Hr.	DRG Description	WIES Y/N
Surgery Start	Diagnosis	

These are the types of fields I commonly obtain from Health Services –Green Fields are derived

#### **Surgeon Session Characterisitcs**

Surgeon	Wed
Session	37
Patient	228
Contact Hrs	100
WIES	166
Patient perSession	6.16
WIES per Patient	0.73
Contact Hr. per Session	2.71
Contact Hr. per Patient	0.44
Avg. Surgery Start	8:16
Avg. Left OR	11:39

From the data you can look at a Surgeon's Session characteristics – I suspect most Health Services do not do this – this data could also be used for performance review – the data can also be used to build up the schedule



Week Beginning	Year	FIN Year Week	OR		Mon			Tue				Wed			Thu				Fri				
	Week	WEEK			AM PM	AM Hr	PM Hr		AM PM	AM Hr	PM Hr	AM PM		AM Hr	PM Hr	AN	M PM	AM Hr	PM Hr			AM Hr	PM Hr
6/30/2014	27	1	OR 1		- · · · · · · · · · · · · · · · · · · ·	0	0			0	0	Dunted		2.21	0			3.7	2.444			3.7	0
			OR 2			0	0	1		3.276	3.276	7		3.584	0			0	0			0	0
			OR 3			0	0			0	0			0	2.7			0	0			0	0
7/7/2014	28	2	OR 1			2.05	3.584			2.05	3.488			2.05	3.584			2.95	2.95			0	0
			OR 2			2.8032	2.444			3.276	3.276			0	0			0	0			3.392	0
			OR 3			2.7	0			2.7	2.7			0	2.7			2.7	2.7			0	0
7/14/2014	29	3	OR 1			3.488	3.488			0	0			2.21	3.584			0	0			0	0
			OR 2			0	0			3.276	3.276			3.486	3.486			0	3.486			0	0
			OR 3			2.7	2.7			0	0			0	2.7			2.7	0			0	0
7/21/2014	30	4	OR 1			0	0			0	0			2.444	0			2.95	2.95			0	0
			OR 2			2.8032	3.486			3.276	3.276			3.486	3.486			0	0			0	0
			OR 3			27	18			0	0			0	27			27	0			0	0

Schedule build up for the year based on average hours per session used by proceduralists

	IVIODEIIINg - WIES 14 - 15													
Cons	ultants	Pat. Session	Contact Hrs	Patients		WIES								
Consultant Speciality														
	Obs&Gynae	3.2	1.09	1.24	3.49	20		69.76	64		79			
	Obs&Gynae	3.2	1.12	0.94	3.58	13		46.59	42		39			
	Obs&Gynae	2.35	1.04	1.00	2.44	9		22.00	21		21			
	Obs&Gynae	5	0.41		2.05	6		12.30	30					
	Obs&Gynae	2	1.1	1.00	2.20	0		0.00	0		0			
	Gen. Surg	2.1	1.56	0.86	3.28	20		65.52	42		36			
	Gen. Surg	2.1	1.66	1.26	3.49	26		90.64	55		69			
	Gen. Surg	2.96	1.26	0.94	3.73	0			0		0			
	Gen. Surg	2	1.5	0.86	3.00	13		39.00	26		22			
	Gen. Surg	2	1.5	0.82	3.00	0			0					
	Gen. Surg													
	Urology	8	0.45	0.42	3.60	5		18.00	40		17			
	Urology													
	Dental	3.25	0.68	0.48	2.21	7		15.47	23		11			
	Dental	3.25	0.68	0.48	2.21	2		4.42	7		3			
	ENT	2.5		0.61	2.95	0		0.00	0		0			
	ENT	5	0.59	0.61	2.95	4		11.80	20		12			
	ENT	5	0.59	0.61	2.95	4		11.80	20		12			
	ENT	5	0.59	0.61	2.95	4		11.80	20		12			
	ENT										0			
	Endoscopy	6	0.45	0.34	2.70	13		35.10	78		27			
	Endoscopy	6	0.45	0.31	2.70	17		45.90	102		32			
	Endoscopy	6	0.45	0.53	2.70	3		8.10	18		10			
	Endoscopy	6	0.45	0.35	2.70	13		35.10	78		27			
	Endoscopy	6	0.45	0.35	2.70	4		10.80	24	_	8			
	Endoscopy	6	0.45	0.36	2.70	0			0		0			
	Endoscopy	4	0.45	0.36	1.80	5		9.00	20	_	7			
	Endoscopy										0			
	Orthopaedic	4.8	0.584	0.51	2.80	5		14.02	24		12			
	Orthopaedic					_					0			
	Paeds	5.3	0.64	0.51	3.39	3		10.18	16		8			
	Paeds										0			
	Ophth	5	0.74	0.50	3.70	9		33.30	45		22			
	Ophth										0			
Election .						205		630.50	014		400			
Elective						205		620.59	814		488			
5455		0.02	4.2	4.55	4.24			444.33			422			
EIVIER		0.93	1.3	1.55	1.21	92		111.23	86		133			
						502		/31.81	899		620			

Using the schedule you can model the work that will be undertaken throughout the year


You then can review how you are travelling over the year – this type of approach I have used with quite a number of Health Services



	8:15						
	8:30						
	8:45						
			AM	Surgery Start Time			
				0,			
<b>Operation Date</b>	Day	Surgeon 1		Anaesthetist	OR1	_OR2	_OR3
10/1/2014					8:52		
10/2/2014	THURSDAY						8:30
							11:40
						9:25	
						8:35	
10/3/2014	FRIDAY					8:48	
10/6/2014	MONDAY						8:30
10/7/2014	TUESDAY					8:52	
					9:20		
10/8/2014	WEDNESDAY				8:54		
10/10/2014	FRIDAY				11:36		
					9:04		
10/13/2014	MONDAY						8:38
10/16/2014	THURSDAY					8:47	
10/17/2014	FRIDAY						8:32
					8:55		
10/23/2014	THURSDAY				9:00		
						10:19	
						8:50	
10/24/2014	FRIDAY					8:47	
						9:32	
10/27/2014	MONDAY						8:30
					8:57		
10/28/2014	TUESDAY						8:36
							8:48
					8:40		
10/29/2014	WEDNESDAY						9:05
							12:20
10/30/2014	THURSDAY				8:51		
						8:46	
10/31/2014	FRIDAY				<u> </u>	8:51	

## Example of how a Health Service looks at it start times

ľ

## Safety & Reliability Driver Diagram



# **Other Measures**

- <u>Safety & Reliability</u>
  - Incident reporting
  - Noise
  - Team trained to use specialist equipment



Adverse Event

BaseLine 1.20.010



21Sickness absence

34 Compliance with

appraisals

mandatory training &

- 2 % lists with Team Debrief (or # Team Debriefs)
- 3 % lists with Time Out (or # Time Outs)
- 16 Proportion of staff with HF/team skills training (by discipline)
- 17 Proportion of time was spent working in normal area
- 18 Number of different staff worked in theatres per list

- - Measure shared with another domain

# **Other Measure(s)**

# Team working

- Staff training & Development
- Adequate Training
- Team Structure (Appropriate skill Mix)
- Leadership Opportunities

### Patient Experience & Outcome Driver Diagram



# **Other Measure**

# Patient experience

- Post op Visit by Dr in 2nd stage recovery/ward
- Post Op. Anxiety
- Walking to Theatre



### An example of a Driver Diagram - How do I decrease my fuel costs?

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#### Driver Diagram: Diabetes



#### Optimise the quality of life for people with long term conditions

#### Comment This driver diagram is still in the early stages of development and will be further refined by the team. Only some of the drivers and measures are shown. Notice how the team has chosen to select multiple measures for their overall goal. In some situations this can cause confusion over which drivers relate to which overall measures. It can be clearer to do separate driver diagrams for each measurable goal. For example, it would be possible to do separate driver diagrams for reducing morbidity and reducing costs associated with LTCs. This can help to identify overlapping or conflicting drivers. Alternatively it is possible to treat some of the measures as 'balancing goals' (e.g. select projects to reduce morbidity as long as they also address costs). Offer self management support The aim is to ensure you present a clear logic behind your drivers and projects. Offer personalised healthcare plans for Increase the number of activated every person with LTC people with confidence to % / numbers of people manage their condition with Personalised healthcare Reductions in urgent admissions Optimises the quality & readmissions Assess, canture and Cost savings Reduced contact with health / of life for people with communicate needs long term conditions social care services of each person The system supports personalised healthcare planning and self care Training Measures Reduction in mortality % staff trained Reduction in morbidity Develop a new mindset -Reduction in hospital admissions 3. proactive and not reactive. Develop the workforce to deliver 30% reduction in cost Deliver integrated care - a personalised healthcare and Maximising quality of life vision for quality affordable care. develop prepared, educated 6. Increase self care multidisciplinary teams

#### Driver Diagram Aide Memoire

#### Hints and tips Driver diagrams are a 'live' tool. They will change over time as you make changes to your system.

If you can make your goal, drivers and project outcomes measurable you have created a measurement framework for determining

myou can make you up ou too and polect outcomes messanable you nave created a measurable from namework no determining progress. This will help you to monitor the change process without meeding to purely relying on changes in performance against your overall goal. It will also help you to judge where more progress against a particular driver needs to occur.

If some drivers (or your overall goal) are heavily influenced by demographic factors (e.g. changes in population sizes), try to build these into your measures (e.g. by using rates or setting a reduced target figure) or add them to your measurement framework so that their impact can be monitored.

Creating a driver diagram with a team ensures that everyone understands your goal and how they can contribute towards achieving it. Get the right people there so that you have knowledge in the room from people who see all parts of the care process.

Always keep in mind that a driver diagram is an improvement tool. Stop identifying additional layers of drivers when is ceases to be helpful (i.e. when your improvement projects start to become apparent). Also be confident enough to prioritise your drivers by selecting quick wins or dismissing drivers that in reality have little impact. Don't automatically ignore drivers that seem outside of your control. Sometimes with some lateral thinking (or partnership working) you can influence them.

Driver diagrams will vary from place to place - there is no definitive 'right' answer as your local situation may be very different from other parts of the country. Research evidence and local understanding will both shape your driver diagram.

#### What do people think of driver diagrams?

"It took us a few times to get it refined, we changed it six times; it was an intuitive process. But it really is the backbone of our strategy. We're now hanging project measures on to it."

"Driver diagrams are something that can be applied to any environment, any situation... It gets you into a structure of thinking where, even with a very complex and complicated programme, you can put that into context to another person."

"It enables us to move from a concept or an idea into starting to execute a programme and delivery very quickly. That has been a major difference to the way we work..."

#### Driver Diagram - Enhanced Recovery for Colorectal Surgery



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## **Tips and tricks**

- Driver diagrams are a 'live' tool. They will change over time as you make changes to your system.
- If you can make your drivers measurable you have created a measurement framework for determining progress towards your overall goal
- Creating a driver diagram with a team ensures that everyone understands your goal and how they can contribute towards achieving it
- Driver diagrams will vary from place to place there is no definitive 'right' answer as your local situation may be very different from other parts of the country

## What do people think of driver diagrams?

"It took us a few times to get it refined, we changed it six times; it was an intuitive process. But it really is the backbone of our strategy. We're now hanging project measures on to it."

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"It enables us to move from a concept or an idea into starting to execute a programme and delivery very quickly. That has been a major difference to the way we work..."



## **Perioperative & Interventional Services**

## **Dashboard Development**



## Perhaps the Reason is.....







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## Dashboard

In <u>management information systems</u>, a **dashboard** is "an easy to read, often single page, real-time user interface, showing a <u>graphical</u> <u>presentation</u> of the current status (snapshot) and historical trends of an organization's <u>key performance indicators</u> to enable instantaneous and informed decisions to be made at a glance."<sup>[1]</sup>



- Prior to 2013 there was limited access to useful reports for Perioperative Services and in general these were initiated by request and took time.
- Late in 2012 Ballarat Health Service made a commitment to develop a Series of Dashboards for Clinical Streams
- This presentation describes where the Dashboard(s) for Perioperative Services is today



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ETBS - IBA Theatre Reconciliation	Top 20 Procedure Durations				
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■ OPR1							1							19	0.32	
OPR2							11							374	6.23	Contact
<b>⊞ OPR3</b>							6							443	7.38	Hours
■ OPR4							4							318	5.30	
DILLST	08:00	DILLST				253560		07:40	08:13	08:15	08:30	08:34	08:45	30	0.50	per Day
DILLST	08:40	DILLST				286231		08:32	08:50	08:51	09:30	09:45	11:40	169	2.82	
АН	18:56	RUAAM				181151		18:45	18:57	19:05	19:12	19:14	19:50	45	0.75	
AH	19:50	DAVEP				208254		19:40	19:58	20:01	20:12	20:19	21:15	74	1.23	
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DONOST	08:20	DONOP				291490		08:15	08:25	08:30	08:39	08:39	09:00	30	0.50	
DONOST	08:50	DONOP				289124		08:40	08:55	09:10	09:20	09:25	09:42	32	0.53	
DONOST	09:40	DONOP				275765		09:27	09:46	09:54	09:57	09:57	10:41	47	0.78	
DONOST	10:08	DONOP				253873		09:58	10:40	10:45	10:55	10:56	11:25	40	0.67	
DONOST	11:03	DONOP				251886		10:55	11:10	11:24	11:30	11:33	12:11	47	0.78	
MCCOST	13:17	MCCON1				413424	*	13:10	13:25	13:56	14:05	14:05	14:24	28	0.47	
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## **Doctor Leave Report**

Leave on or after: 20/11/2013

Dr Name 🗘	Leave Type 🗘	From Date 🗘	To Date 🗘
	LONG SERVICE LEAVE	07/01/2013	07/01/2014
	LEAVE WITHOUT PAY	28/02/2013	28/02/2014
	LONG SERVICE LEAVE	11/08/2013	31/12/2013
	ANNUAL LEAVE	11/11/2013	01/12/2013
	ANNUAL LEAVE	25/11/2013	29/11/2013
	ANNUAL LEAVE	25/11/2013	29/11/2013
	SICK LEAVE	25/11/2013	25/11/2013
	LONG SERVICE LEAVE	26/11/2013	26/11/2013
	ANNUAL LEAVE	26/11/2013	26/11/2013
	ANNUAL LEAVE	29/11/2013	29/11/2013
	DOCTOR'S LEAVE	03/12/2013	03/12/2013



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## **Doctor Leave Report**

Leave on or after: 20/11/2013

Dr Name 🗘	Leave Type 🗘	From Date 🗘	To Date 🗘
	LONG SERVICE LEAVE	07/01/2013	07/01/2014
	LEAVE WITHOUT PAY	28/02/2013	28/02/2014
	LONG SERVICE LEAVE	11/08/2013	31/12/2013
	ANNUAL LEAVE	11/11/2013	01/12/2013
	ANNUAL LEAVE	25/11/2013	29/11/2013
	ANNUAL LEAVE	25/11/2013	29/11/2013
	SICK LEAVE	25/11/2013	25/11/2013
	LONG SERVICE LEAVE	26/11/2013	26/11/2013
	ANNUAL LEAVE	26/11/2013	26/11/2013
	ANNUAL LEAVE	29/11/2013	29/11/2013
	DOCTOR'S LEAVE	03/12/2013	03/12/2013



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Doctor Leave Report	Theatre Procedure Analysis
ETBS - IBA Theatre Reconciliation	Top 20 Procedure Durations
ETBS - IBA Theatre Reconciliation ETBS - IBA Theatre Reconciliation	Top 20 Procedure Durations



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View Report

SQL Server Reporting Services <u>Home</u> > <u>Dashboards</u> > <u>Theatre Dashboards</u> > **FTBS** - **IBA Theatre Reconciliation** 

View Properties History Subscriptions

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1/11/2012 End Date 20/11/2013 12:56:12 PM Start Date Surgeon (Null) Priority (Null) Y ¥ Procedure Code 47519-00 NULL NULL ¢ 14 4 1 of 4 🕨 100% ~ Find | Next Select a format Export 4 Theatre ETBS Clock mit FD Date FD Proc Code Proc Desc FTBS Bo Time Hrs Start Confirm ne 46 07/11/2012 15:12 47519-00 IF FRACTURE TROCHANTERIC/SUBCAPITL 0.77 07/11/2012 17:05 07/11/20 FEMUR B1 14/11/2012 12:42 47519-00 IF FRACTURE TROCHANTERIC/SUBCAPITL 1.55 14/11/2012 18:20 14/11/20 FEMUR 48 17/11/2012 16:40 47519-00 IF FRACTURE TROCHANTERIC/SUBCAPITL 1.83 17/11/2012 20:54 17/11/2 FEMUR 18/11/2012 11:31 47519-00 IF FRACTURE TROCHANTERIC/SUBCAPITL 18/11/2012 17:24 18/11/2 28 1.25 FEMUR 22/11/2012 16:34 45 01/01/1900 IF FRACTURE TROCHANTERIC/SUBCAPITL 22/11/2 47519-00 2.25 FEMUR 28 04/12/2012 13:27 47519-00 IF FRACTURE TROCHANTERIC/SUBCAPITL 04/12/2012 15:26 04/12/20 1.38 FEMUR 04/12/2012 10:20 04/12/2 29 47519-00 IF FRACTURE TROCHANTERIC/SUBCAPITL 1.65 04/12/2012 15:06 FEMUR b8 06/12/2012 09:05 47519-00 INTERNAL FIXATION OF FRACTURE OF 1.20 06/12/2012 12:56 06/12/2 TROCHANTERIC OR SUBCAPITAL FEMUR 01/01/1900 11/12/2012 11:25 Þ٥ 47519-00 IF FRACTURE TROCHANTERIC/SUBCAPITL 3.67 11/12/2 FEMUR bo 12/12/2012 11:13 47519-00 INTERNAL FIXATION OF FRACTURE OF 1.17 12/12/2012 17:18 12/12/20 TROCHANTERIC OR SUBCAPITAL FEMUR b2 17/12/2012 14:25 47519-00 IF FRACTURE TROCHANTERIC/SUBCAPITL 1.90 17/12/2012 21:45 17/12/20 FEMUR 10 17/12/2012 13:22 47519-00 IF FRACTURE TROCHANTERIC/SUBCAPITL 1.85 17/12/2012 21:45 17/12/201 FEMUR

The Emergency Theatre Booking Reconciliation report provides us with data relating to the number of emergency cases booked, length of time from presentation to surgery, time of day when surgery occurs to actual procedure undertaken

🛃 start

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😰 Riskman Reports.pp... 🛛 🔊 Search Results

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## Emergency Theatre Booking – Hip Fracture Patients – Time to Surgery from ED Presentation – chronologically Jan 2013 – October 2013



Individual ED - Theatre Hours

Hours

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Doctor Leave Report	🗎 Theatre Procedure Analysis
ETBS - IBA Theatre Reconciliation	Top 20 Procedure Durations
Polypectomy Rates	



## **Calculation of Polypectomy Rate**

	Principal Procedure	Principal Procedure Name
 	32084-00	FIBREOPTIC COLONOSCOPY T HEPATIC FLEXURE
	32084-01	FIBREOPTIC COLONOSCOPY HEPTC FLEXURE BX
	32090-00	FIBREOPTIC COLONOSCOPY TO CAECUM
	32090-01	FIBREOPTIC COLONOSCOPY TO CAECUM W BX
	32093-00	FIBREOPTIC COLONOSCOPY TO CAECUM W PP
/		







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Doctor Leave Report						
ETBS - IBA Theatre Reconciliation	Top 20 Procedure Durations					
Polypectomy Rates						



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			0 Date			20/11/2015			
Unit (Null)		<u> </u>	Cancelled o	n day of P	rocedure	◯ True ⓒ Fa	alse		
4 4 1 of 1 ▷ ▷   :	100%	✓		Find   No	ext Se	lect a format		<ul> <li>Export</li> </ul>	<b>\$</b>
Theatre Cancel	latio	n An	alys	is	01/	/07/2013	То	20/11/20	13
	Jul	Aug	Sep	Oct	Nov	Total			
	2013	2013	2013	2013	2013				
ed Unavail - CCU	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	2			
ed Unavail - Ward	<u>36</u>	<u>13</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>50</u>	Δ	ll Cancell	ations
Clerical/Book Error	Z	Z	4	<u>5</u>	<u>4</u>	27			acions
lective Priority	<u>30</u>	<u>12</u>	<u>17</u>	<u>17</u>	<u>8</u>	<u>84</u>			
mergency Priority	<u>14</u>	9	<u>19</u>	<u>14</u>	<u>9</u>	<u>65</u>	-		
quipment Unavailabl	<u>3</u>	<u>3</u>	2	<u>0</u>	1	<u>9</u>			
losp Staff Unavail	<u>0</u>	<u>0</u>	1	<u>0</u>	<u>0</u>	<u>1</u>			
rt Unprepared -Sefl	2	<u>5</u>	5	<u>6</u>	<u>0</u>	<u>18</u>			
PT CHANGED PUB-PRIV	1	<u>1</u>	1	<u>0</u>	<u>1</u>	<u>4</u>			
Pt DNA	3	3	<u>0</u>	<u>4</u>	2	<u>12</u>			
Pt Postponed	<u>61</u>	<u>59</u>	77	77	<u>48</u>	322			
Pt Unfit - Doctor	<u>35</u>	<u>18</u>	<u>16</u>	<u>24</u>	<u>14</u>	<u>107</u>			
Pt Unprepared - Hosp	1	3	3	<u>0</u>	<u>1</u>	<u>8</u>			
SURG N/REQ RESOLVED	<u>15</u>	<u>13</u>	22	<u>20</u>	<u>14</u>	<u>84</u>			
Surg Unit Initiated	Z	<u>5</u>	3	<u>0</u>	<u>3</u>	<u>18</u>			
Surgeon Unavailable	<u>17</u>	<u>14</u>	<u>20</u>	<u>6</u>	<u>16</u>	<u>73</u>			
Theatre Overbooked	<u>3</u>	<u>5</u>	<u>5</u>	Z	<u>4</u>	<u>24</u>			
Theatre Overrun	2	2	<u>11</u>	<u>4</u>	<u>3</u>	22			Ľ
r	0.0.7	170							

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From Date 1/07/2013	To Date	20/11/2013
Unit (Null)	Cancelled on day of Procedure	⊙ True ○ False
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## Theatre Cancellation Analysis 01/07/2013 To 20/11/2013

	Jul 2013	Aug 2013	Sep 2013	0ct 2013	Nov 2013	Total	All On the Day
Bed Unavail - CCU	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>2</u>	Cancellations
Bed Unavail - Ward	<u>13</u>	<u>5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>18</u>	
Clerical/Book Error	<u>3</u>	<u>2</u>	<u>1</u>	<u>1</u>	2	<u>9</u>	
Emergency Priority	<u>6</u>	<u>6</u>	Z	<u>5</u>	<u>5</u>	<u>29</u>	
Equipment Unavailabl	<u>1</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>4</u>	
Pt Unprepared -Sefl	<u>0</u>	<u>2</u>	2	<u>4</u>	<u>0</u>	<u>8</u>	
Pt DNA	2	<u>3</u>	<u>0</u>	<u>4</u>	2	<u>11</u>	
Pt Postponed	<u>4</u>	<u>3</u>	<u>5</u>	<u>5</u>	<u>2</u>	<u>19</u>	
Pt Unfit - Doctor	<u>11</u>	<u>4</u>	<u>12</u>	<u>10</u>	<u>5</u>	<u>42</u>	
Pt Unprepared - Hosp	<u>1</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	2	
SURG N/REQ RESOLVED	2	2	2	<u>6</u>	<u>0</u>	<u>12</u>	
Surg Unit Initiated	2	2	2	<u>0</u>	<u>0</u>	<u>6</u>	
Surgeon Unavailable	<u>13</u>	2	<u>5</u>	<u>1</u>	<u>0</u>	<u>21</u>	
Theatre Overbooked	<u>0</u>	2	1	2	2	<u>Z</u>	
Theatre Overrun	1	1	<u>9</u>	2	<u>1</u>	<u>14</u>	
Total	<u>59</u>	<u>37</u>	<u>47</u>	<u>41</u>	<u>20</u>	<u>204</u>	



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Unit ORTHOPAEDIC (A)		<b>~</b> c	ancelled o	on day of F	Procedure	⊙ True ○ F	alse		
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Theatre Cancellation Analysis 01/07/2013 To 20/11/2013									
	Jul 2013	Aug 2013	Sep 2013	0ct 2013	Nov 2013	Total			
Bed Unavail - Ward	3	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>3</u>		Orthopaed	ic Unit O
Emergency Priority	2	<u>4</u>	1	<u>0</u>	<u>3</u>	<u>10</u>		the Day Cai	ncellatio
Pt DNA	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>		•	
Pt Postponed	1	<u>0</u>	1	1	<u>0</u>	<u>3</u>	K		
Pt Unfit - Doctor	1	<u>2</u>	3	<u>3</u>	<u>0</u>	<u>9</u>			
SURG N/REQ RESOLVED	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>			
Surgeon Unavailable	<u>0</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>			

<u>0</u>

<u>0</u>

<u>7</u>

<u>0</u>

1

<u>9</u>

0

<u>2</u>

<u>10</u>

<u>1</u>

0

<u>5</u>

Theatre Overbooked

Theatre Overrun

Total



20/11/2013 10:22

<u>1</u>

<u>3</u>

<u>34</u>

0

<u>0</u>

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## **Theatre Cancellation Details**

### Pt Unfit - Doctor

Cancel Date	Same Day	UR No	Procedure	Book Date	WL Pri	WL Days	Cons
20131004	Yes	441818	TOTAL HIP REPLACEMENT	20130809			KOLAST
20131002	Yes	141667	ARTHROSCOPY OF KNEE	20130902	2	30	ENGLS
20131002	Yes	226498	TOTAL KNEE REPLACEMENT	20130920			DILLST
						20/11	1/2013 10:23
			Or	thopaedic Pa Doctor Ca	tient · ncella	– Pt Un tions	fit -



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#### View Properties History Subscriptions

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Start Date	4/11/2013			End Date	10/11/2013 11:59:59 PM					
Theatre	(Null)	<b>~</b>		Unit	(Null)	~				
Surgeon	(Null)	<b>~</b>		Surgical Registrar	(Null)					
Anaesthetist	(Null)	~		Anaesthetic Registrar	(Null)					
On ESIS WL	All	~								
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### **Theatre Procedure Analysis**

04/11/2013 To 10/11/2013

BHS Home

Parameters: / [] / / /

#### Surgery Start Time

		OPR1	OPR2	OPR3	OPR4	OPR5	OPR6	OPR7	PROC2	RAD	Rm1CVS
04 Nov 2013	Mon	14:06	13:42	08:55	08:51	08:32	09:14		13:43		08:35
05 Nov 2013	Tue	09:03		08:48	08:59	09:41	08:47		08:45		08:59
06 Nov 2013	Wed	08:39	09:16	07:46	08:42	08:55	08:47		08:39	13:56	08:40
07 Nov 2013	Thu		08:47	08:38	08:43	08:55	15:04		08:38		08:56
08 Nov 2013	Fri				19:25			09:16			
09 Nov 2013	Sat				10:01						
10 Nov 2013	Sun			19:21	09:26						

21/11/2013 16:38



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Theatre	(Null)		Unit	(Null)
Surgeon	(Null)		Surgical Registrar	(Null)
Anaesthetis	t (Null)		Anaesthetic Registrar	(Null)
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#### Contact Hours

		07:00	- 12:30	12:30	17:30	17:30	- 24:00	24:00 ·	07:00	Tota	l Hrs
		Contact Hrs	# Patients								
04 Nov 2013	Mon	27.42	18	28.62	33	4.55	4	_	0	60.58	55
05 Nov 2013	Tue	24.47	26	21.73	21	<u>3.37</u>	3	_	0	49.57	50
06 Nov 2013	Wed	31.03	31	24.13	23	3.72	3	0.42	1	59.30	58
07 Nov 2013	Thu	22.00	26	<u>19.32</u>	15	<u>4.72</u>	3	_	0	46.03	44
08 Nov 2013	Fri	3.35	3	<u>3.80</u>	3	<u>4.10</u>	3	3.70	3	14.95	12
09 Nov 2013	Sat	3.88	2	<u>1.52</u>	2	_	0	0.68	1	6.08	5
10 Nov 2013	Sun	3.32	3	5.05	3	4.73	4	_	0	13.10	10
Total Hrs		115.47	109	104.17	100	25.18	20	4.80	5	249.62	234

21/11/2013 16:38



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#### Ħ **Theatre Procedure Analysis**

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Start Date	4/11/2013	End Date	10/11/2013 11:59:59	PM 🛄	
Theatre	(Null)	Unit	(Null)	~	
Surgeon	(Null)	Surgical Reg	istrar (Null) 💌		
Anaesthetist	(Null)	Anaesthetic	Registrar (Null) 💌		
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#### Contact Hours





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Rew Subscription	
From Date 1/07/2012 To Date 20/11/2013	
Unit (Null) Vigeon (Null)	
On ESIS WL No PPP (Null)	
Procedure Code 30572-00 NULL PPP Code NULL	
Claim Type (Null)	
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#### By Surgeon

	30572-0	0			
	Laparoso	opic appendi	icectomy		
	Proc Count	Avg Surg Dur (Mins)	Avg The Dur (Mins)	Avg LoS (Days)	Est LoS
	1	28	55	<u>1.83</u>	0.00
	24	60	92	<u>2.31</u>	0.00
	2	72	98	<u>1.75</u>	0.00
	26	43	77	<u>1.98</u>	0.00
Clinician	11	55	86	2.45	0.00
Chincian	1	43	74	<u>0.79</u>	0.00
S	1	62	95	<u>1.75</u>	0.00
	1	39	77	1.63	0.00
	36	42	78	3.28	0.00
	4	57	80	2.32	0.00
	5	70	104	<u>1.84</u>	0.00
	2	58	89	2.21	0.00
	1	23	64	2.25	0.00
	4	69	98	1.54	0.00
	7	58	103	2.74	0.00
	4	53	90	1.40	0.00

# Lap Append



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From Date 1/07/2	Date         1/07/2012         To Date         20/11/2013           GENERAL SURGERY (A)         Surgeon         (Null)								
Unit GENE									
On ESIS WL Yes		~		PPP	(N	ull)			~
Procedure Code 30445	5-00				Code				
Procedure Code 100443	,-00				code j				
Claim Type (Null)			~						
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	30445-00	)							
	Laparosco	pic cholecys	tectomy						
	Proc Count	Avg Surg Dur (Mins)	Avg The Dur (Mins)	Avg LoS (Days)	Est LoS			La	p Chole
	21	80	123	2.15	1.14				
	27	78	113	<u>1.30</u>	1.19				
	10	70	101	<u>1.50</u>	1.00				
	21	83	125	<u>1.42</u>	1.24				
	18	82	126	<u>1.23</u>	1.56				
Clinician	1	119	145	1.13	2.00				
S	1	52	85	4.62	1.00				
	2	136	117	3.17	1.50				
	29	67	104	2.00	1.00				
	15	91	139	1.87	1.13				
	1	91	125	1.21	1.00				
	3	88	133	<u>1.53</u>	2.00				
	1	50	97	<u>1.00</u>	1.00				
	15	60	106	<u>1.28</u>	1.33				
	18	68	103	<u>2.04</u>	1.33				
	184	76	116	<u>1.70</u>	1.26				



SQL Server Reporting Services Home > Dashboards > Waiting List Dashboards > ESIS KPI (L1)         View Estation         View Subscription         Start Date 1/10/2013         IV       1 of 1 P         100%       Find   Next         Elective Surgery KPI (L1)         01/10/2013       To 21/11/2013         View Subscription         Action         Start Date 1/10/2013         IV       1 of 1 P         100%       Find   Next         Select a format         O1/10/2013       To 21/11/2013         Viotorian Health Services I         KPI Description         8       % of Cat 1 elective patients admitted within 30 days         9       % of Cat 2 elective patients admitted within 90 days	Export	Di Home	
View       Presention         Start Date       1/10/2013         IV       4         IV       4         IV       4         IV       4         IV       4         IV       1         IV       1	Boport (	2 3 Home	
New Subscription     Start Date     1/10/2013     Id        To Date   Id	Boport (	2 3	
Start Date 1/10/2013   To Date     14 4   1 101     100%     Find   Next   Select a format     Elective Surgery KPI (L1)   01/10/2013   To   21/11/2013   Victorian Health Services in the select a format     KPI   Description   8   % of Cat 1 elective patients admitted within 30 days	Boport (	2 3	
IM       4       1       011       D       100%       Find   Next       Select a format       Select a format         Elective Surgery KPI (L1)       01/10/2013       To       21/11/2013       Viotorian Health Services F         KPI       Description       Act         8       % of Cat 1 elective patients admitted within 30 days       9         9       % of Cat 2 elective patients admitted within 90 day st	Export (	E 3	
Elective Surgery KPI (L1)         01/10/2013       To       21/11/2013       Victorian Health Services (         KPI Description         8       % of Cat 1 elective patients admitted within 30 days       Ad         9       % of Cat 2 elective patients admitted within 90 days       Others	BHS	B Home	
01/10/2013       To       21/11/2013       Victorian Health Services if         KPI       Description       Ad         8       % of Cat 1 elective patients admitted within 30 days       Advice         9       % of Cat 2 elective patients admitted within 90 days       Advice			
KPI       Description       Ac         8       % of Cat 1 elective patients admitted within 30 days       9         9       % of Cat 2 elective patients admitted within 90 days       9	Performance	Home Page	
8 % of Cat 1 elective patients admitted within 30 days 9 % of Cat 2 elective patients admitted within 90 days	tual Targ	jet	
9 % of Cat 2 elective patients admitted within 90 days	100 1	.00 %	
5 70 Gr Cat 2 elective patients admitted within 50 days	73.3	80 %	
10 % of Cat 3 elective patients admitted within 365 days	93.5 9	4.5 %	
11 No. of patients on the elective surgery waiting list	.003 10	90	
12 Hospital Initiated Postponements (HiPS)	5.7	8	
13 No. of patients admitted from ESWL	890 12	85	
% of Cat 2 elective patients waiting 90 days or less	77 C	0 %	
% of Cat 3 elective patients waiting 365 days or less	12.0	0 %	

Ballarat Health Services Putting your health first

🏉 Rep	oort Manager					
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From Date	1/10/2013		To Date 21/11/2013			
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WLDate 🔍	# RFC	# NRFC	RFC Target
01/10/2013	1142	218	1090
02/10/2013	1149	196	1090
03/10/2013	1144	218	1090
04/10/2013	1127	223	1090
05/10/2013	1131	225	1090
06/10/2013	1131	225	1090
07/10/2013	1101	225	1090
08/10/2013	1089	228	1090
09/10/2013	1082	229	1090
10/10/2013	1083	232	1090
11/10/2013	1083	234	1090
12/10/2013	1086	235	1090
13/10/2013	1085	235	1090
14/10/2013	1080	236	1090
15/10/2013	1064	255	1090
16/10/2013	1063	253	1090
17/10/2013	1063	254	1090
18/10/2013	1057	253	1090
19/10/2013	1061	253	1090
20/10/2013	1061	252	1090
21/10/2013	1058	248	1090
22/10/2013	1057	252	1090
23/10/2013	1047	254	1090
24/10/2013	1053	255	1090
25/10/2013	1051	250	1090
26/10/2013	1054	250	1090
27/10/2013	1054	249	1090
10/10/1012	10/16	252	1090

Waiting List – Ready for Care & Not Ready for Care Movement on a Daily Basis





Ballarat **Health** Services Putting your health first

## Over the past 3 months we have developed a number of other reports......





## Readmission Report March 3<sup>rd</sup> – March 13th



# Readmission Report March 3<sup>rd</sup> – March 13th

Rew Subscription					
From Date 3/03/2014		To Date 13/03/2014			View Rep
Number of Days 30		Unit (Null)	~		
Procedure code	M NULL	DRG code			
[4] 4 1 of 1 ▷ ▷] 100%	, 🖌	Find   Next Select a format	🖌 Export 🖉	3	
_					

### **Readmission Report**

#### 03/03/2014 To 13/03/2014

#### BHS Home

UR No	Adm No	Surg/Adm Date	Procedure/Diagnosis	Proc Code	Disch Date	On WL	DRG	DRG Description	Consultant	Age	Sex
139875	2896902	03/03/2014	TONSILLECTOMY & ADENOIDECTOMY	011	04/03/2014				DONOST	18	
	3010504	08/03/2014	POST OP TONSILECTOMY BLEED								
073441	2983493	05/03/2014	CLONOSCOPY	650	05/03/2014	Y			PEKIM	75	F
	3014512	13/03/2014	ACITES 2 ABDO MASS								
263679	2981987	03/03/2014	GASTROSCOPY	645	03/03/2014	Y			HAMEES	55	М
186278	2999959	03/03/2014	NOI WAIT LIST PROC	200	03/03/2014				LUSCS	25	F
227507	3002647	04/03/2014	FISTI LOGRAM	682	04/03/2014				CVSCA	81	М
	3005285	05/03/2014									
	3008388	07/03/2014	DIALYS.5								
	3010775	10/03/2014	DIALYSIS								
	3011004	12/03/2014									
161128	2984347	03/03/2014	Gastroscopy Colonoscopy Polypectomy		04/03/2014	Ν			ALAN	66	F
271693	3007159	06/03/2014	HAEMODIALI		06/03/2014	N	L61Z	Haemodialysis	CVSCA	74	М
020693	3004940	06/03/2014	CORONARY ANGIOGRAM +/- PCI		07/03/2014				CVSCA	79	

Provides details of Procedure/Diagnosis associated with the admission

## Readmission within 30 Days Report March 3rd -

### **Readmission Report**

03/03/2014 To 13/03/2014

BHS Home

UR No	Adm No	Surg/Adm	Procedure/Diagnosis	Proc	Disch Date	On	DRG	DRG Description	Consultant	Age	Sex
		Date		Code		WL					
139875	2896902	03/03/2014	TONSILLECTOMY & ADENOIDECTOMY	011	04/03/2014	Y			DONOST	18	F
	3010504	08/03/2014	POST OP TONSILECTOMY BLEED								
186278	2999959	03/03/2014	NON WAIT LIST PROC	200	03/03/2014	Y			LUSCS	25	F
	3010494	08/03/2014	ENDOMETRITIS POST TOP/ABDO PAIN FI								
227507	3002647	04/03/2014	FISTULOGRAM	682	04/03/2014	Y			CVSCA	81	M
	3005285	05/03/2014									
	3008388	07/03/2014	DIALYSIS								
	3010775	10/03/2014	DIALYSIS								
	3011004	12/03/2014									
161128	2984347	03/03/2014	Gastroscopy Colonoscopy Polypectomy		04/03/2014	N			ALAN	66	F
	3011074	10/03/2014	ANAEMIA								
271693	3007159	06/03/2014	HAEMODIALYSIS		06/03/2014	N	L61Z	Haemodialysis	CVSCA	74	M
	3009683	08/03/2014									
	3010998	11/03/2014									
	3013216	13/03/2014	FISTULOPLASTY (DIALYSIS PRE-OP ADM 0745)								
020693	3004940	06/03/2014	CORONARY ANGIOGRAM +/- PCI		07/03/2014	N			CVSCA	79	F
	3010978	10/03/2014	CHEST PAIN FI								

# **Time Line Report**

P 🗟 🤊	• 😈  ∓			Matthe	w Presentatio	n March 25th.pp	t [Compatibility I	Mode] - Micros	soft PowerPoint				- @ X
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🗮 Timeli	ne Viewer												
Patient U Date Ran	ge 01/01/2014	31/12/2014	Load	Events All	BD BOS DEC ED ICU		♥ IPC ♥ IPD ♥ IPP ♥ MH ♥ OP			PROC RIMS /HIMS /VL			
BasG 11554	Jan 14 b1/01/2014	Feb 14 I OP	Mar 14	Apr 14 I	May 14 '	Jun 14 I	Jul 14 I	Aug 14 I	Sep 14 I	Oct 14 I	Nov 14 I	Dec 14 I	31/12/2014
Legend Print? Report	<ul> <li>BD</li> <li>BOS</li> <li>ED</li> <li>ED</li> <li>ICU</li> <li>IPD</li> <li>IPP</li> <li>MH</li> <li>OP</li> <li>PROC</li> </ul>	RIMS     VHIMS     WL     Undefined											

# **Benchmark Design Timeline**

## UR: 139875

Event	Start	End	Description
OP	24/02/2014	24/02/2014	PAC - TELEPHONE (PDU)
IPD	03/03/2014	04/03/2014	TONSILLECTOMY^
PROC	03/03/2014	03/03/2014	TONSILLECTOMY
BD	03/03/2014	03/03/2014	2NS 1B
ED	07/03/2014	07/03/2014	5 DAYS POST TONSILECTOMY. ONLY TAKING SIPS OF H20
IPD	08/03/2014	09/03/2014	POST OP TONSILECTOMY BLEED
BD	08/03/2014	08/03/2014	2N 02C
OP	18/03/2014	18/03/2014	EAR, NOSE & THROAT CLINIC 1

# Multiple Procedures Report March 3<sup>rd</sup> – March 13th

View Prope	rties <u>History</u> Su	bscriptions											
🔗 New Su	bscription												3
From Date Unit DRG code	3/03/2014 (Null)		To D Proce	ate <u>13/03</u> edure code	8/2014							View Re	port
14 4 1	of 1 🕨 🕅	100%		Find   Next	Select a format	💌 Expo	rt 🔮	3			·		1
Multip	le Proc	edures	s Report		03/	/03/2014	To 1	3/03/2014			BHS	Home	
UR No	Adm No	Op No	Adm/Surg Date	Diagnosis/Pr	ocedure		CMBS Code	Operation Description	Disch Date	On WL	Consultant	Age	Sex
360994	2894325		12/02/2014	RIGHT TOTAL H	IP REPLACEMENT(T	.M/TRILOGY)				Y	NELSST	61	М
231448	2983906		05/03/2014	COLONOSCOPY (ASPRIN)	& GASTROSCOPY +/	/- BIOPSY			10/03/2014		FISHES	79	М
d 058 13	2996462		03/03/2014	DEBRIDE +/- VA CLCSURE RIGHT WOUND^	C DRESSING +/- WO ANTERIOR DISTAL	DUND TIBIA			12/03/2014		RUSSST	43	М
<b>□</b> 410086	2969148		06/03/2014	(CESFI)LAP CHO CHOLANGIOGRA	LECYSTECTOMY & ? M	? OP					CONDST	69	М
■ 115542	2997880		05/03/2014	ARTHROSCOPY MENISCECTOMY	OF LEFT KNEE & ME	DIAL					DILLST	46	F
452418	3003354		02/03/2014	SEPTIC ARTHRI	FIS				12/03/2014	N	AH	42	М
449184	3005894		06/03/2014	L NEPHROSTOM	Y TUBE INSERTION	(ADMIT 730)					CVSCA	68	М
452087	2998871		26/02/2014	POST I.V. ANTI	S (?REVIEW)				13/03/2014		CVSCA	1	F
■ 423327	3000115		27/02/2014	PANCREATITIS					12/03/2014		ERCP2	25	F
■ 161128	3011074		10/03/2014	ANAEMIA						N	PEKIM	66	F
Click expa	and it ands		D • •	viscriminat Unit Procedu DRG Co	tors ure code de								

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DRG code														
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UR No	Adm No	Op No	Adm/Surg Date	Diagnosis/Procedure	CMBS Code	Operation Description	Disch Date	On WL	Consultant	Age	Sex			
360994	2894325		12/02/2014	RIGHT TOTAL HIP REPLACEMENT(T.M/TRILOGY)				Y	NELSST	61	м			
■ 231448	2983906		05/03/2014	COLONOSCOPY & GASTROSCOPY +/- BIOPSY (ASPRIN)			10/03/2014		FISHES	79	м			
■ 058633	2996462		03/03/2014	DEBRIDE +/- VAC DRESSING +/- WOUND CLOSURE RIGHT ANTERIOR DISTAL TIBIA WOUND^			12/03/2014		RUSSST	43	м			
<b>□</b> 410086	2969148		06/03/2014	(CESFI)LAP CHOLECYSTECTOMY & ? OP CHOLANGIOGRAM					CONDST	69	м			
		208574	06/03/2014	LAP CHOLECYSTECTOMY & OP CHOLANGIOGRAM		LAPAROSCOPIC CONVERTED TO OPEN CHOLECYSTECTOMY BILLIARY STENT AND OPERATIVE CHOLANGIOGRAM			CONDST					
		209183	12/03/2014	<b>N</b>	30484	E.R.C.P.			ERCP2					
115542	2997880		05/03/2014	ARTHROSCOPY OF LEFT KNEE & ML DIAL MENISCECTOMY^				Y	DILLST	46	F			
■ 452418	3003354		02/03/2014	SEPTIC ARTHRITIS			12/03/2014	N	AH	42	м			
<b>⊒</b> 449184	3005894		06/03/2014	L NEPHROSTOMY TUBE INSERTION (DMIT 730)					CVSCA	68	М			
452087	2998871		26/02/2014	POST I.V. ANTI S (?REVIEW)			13/03/2014	N	CVSCA		F			
423327	3000115		27/02/2014	PANCREATITIS			12/03/2014		ERCP2	25	F			
161128	3011074		10/03/2014	ANAEMIA				N	PEKIM	66	F			
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## **Draft Nurse Unit Managers Report**

🔗 New S	Subscription													
Start Da	te 1/03/2014		End Dat	te 13	/03/2014									Vie
Ward	2N		Unit	OF	RTHOPAED	DIC (A)		~						
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Nurs	Nurse Unit Manager Activity Report     BHS Home       01/03/2014     To     13/03/2014     Ward: 2N     Unit: ORTHOPAEDIC (A)													
01/0	01/03/2014 To 13/03/2014 Ward: 2N Unit: ORTHOPAEDIC (A)													
UR No	Adm Date	Cons	On WL	Act LOS	Plan LOS	Est LOS	Diff LOS	Surg (Y/N)	Exp Discharge	Exp Discharge Comments	Proc Code	Procedure	Diagnosis	
256010	01/03/2014 13:30	ENGLS	N	4	0		-4	Y	01/03/2014				LEFT INTRATROCHANTER FRACTURE OF FEMUR	чс
018467	01/03/2014 14:04	ENGLS	N	1	0		-1	Y	01/03/2014				# WRIST	
121903	01/03/2014 17:43	ENGLS	N	1	0		-1	N	01/03/2014				post reloction of L prosthet	tic hip
346207	01/03/2014 18:19	ENGLS	N	3	0		-3	Y	01/03/2014				-#/dislocation L ankle	
073527	02/03/2014 06:34	ENGLS	N	11	0		-11	Y	02/03/2014				# FEMUR	
179884	02/03/2014 08:00	ENGLS	N	1	0		-1	Y	02/03/2014				GAMP LEFT WRIST	
322754	03/03/2014 07:00	DILU	Y	2	4	4	2	Y	07/03/2014		114	TOTAL KNEE REPLACEMENT	LEFT TOTAL KNEE REPLACEMENT (ASPRIN)	
186290	03/03/2014 10:34	RUSSM	Y	3	3	3	0	Y	06/03/2014		113	TOTAL HIP REPLACEMENT	LEFT TOTAL HIP REPLACEMENT	
058633	03/03/2014 12:22	RUSSM	Y	9	1	1	-8	Y	04/03/2014				DEBRIDE +/- VAC DRESSI +/- WOUND CLOSURE RI ANTERIOR DISTAL TIBIA WOUND^	ING GHT
058633	03/03/2014 12:22	RUSSM	Y	9	1	1	-8	Y	04/03/2014		130	OTHER ORTHOPAEDIC SURGERY	DEBRIDE +/- VAC DRESSI +/- WOUND CLOSURE RI ANTERIOR DISTAL TIBIA WOUND^	ING GHT
188604	03/03/2014 16:17	RUAAM	N	4	0		-4	N	03/03/2014				L) OLECRANON BURSITIS	;
305101	03/03/2014 17:13	RUAAM	N	6	0		-6	Y	03/03/2014				SEPTIC ARTHRITIS R) KN	EE
237119	03/03/2014 20:22	RUSSM	N	10	0		-10	Y	03/03/2014				# PELVIS	
069988	03/03/2014 22:53	RUSSM	N	4	0		-4	N	03/03/2014				SEPTIC KNEE	
446327	04/03/2014 07:09	MASOS	Y	2	3	3	1	Y	07/03/2014		113	TOTAL HIP REPLACEMENT	RIGHT TOTAL HIP REPLACEMENT +/-BONEG	RAFT
096946	04/03/2014 07:10	MITCD	Y	1	3	3	2	Y	07/03/2014		113	TOTAL HIP REPLACEMENT	RIGHT TOTAL HIP REPLACEMENT - CORAL/PINNACLE	
017311	04/03/2014 07:31	MITCD	Y	1	0	0	-1	Y	04/03/2014		115	EXCISION/REPAIR OF BUNION & OTHER TOE (CLAW,HAMMER	RIGHT FOREFOOT GIRDESTONE TRANSFER	2ND-

### **In Summary**

Ballarat Health Service has develop a range of Dashboard Reports which provide relevant and timely information relation to the activity of Perioperative Services.

The reports are accessed daily, weekly and monthly with the data used in local workplace area to the Board. It has helped enormously in supporting business cases and attracting funding

