

TestSafe

a Shared Regional Clinical
Data Repository for Auckland

*Striking a balance between
accessibility and confidentiality
of clinical information*

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Boswell

Referrals

Log Off

Work Area

Search

Bookmarks

Physicians

Inquiry

Patient

Records

Library

References

Admin

Help

Orders

Date Type Abnls

Displaying patients 1-1 of 1

COLD,Power B

07.Mar.2007 08:00

Lactate

01.Mar.2007 10:54

Full Blood Count

Haptoglobins

28.Feb.2007 16:27

General Chemistry

28.Feb.2007 08:24

General Chemistry

Anticoagulant Monitoring

28.Feb.2007

US BREAST

Observations

Prior

Observation Report

Cumulative Report

Graphical Report

Observation Details

Print Accept Refer Comment Phone Library Mark

Full Blood Count

Report currently unaccepted.

	Filler's Order #	Placer Group #	Priority	Requestor	Specimen Collected	Specimen Received
	07/PZ3107100000	EO36	Routine	L Ferguson	01.Mar.2007 10:54	01.Mar.2007 10:58
Haemoglobin	156	g/L			130-175	
RBC	2.69	x10E12/L			L 4.3-6.0	
Haematocrit	0.39				L 0.4-0.52	
Mean Cell Volume	89	fL			80-99	
Mean Cell Haemoglobin	26.0	pg			L 27-34	
Red Cell Morphology	Not examined					
Reticulocytes	62	x10E9/L			10-100	
Platelets	365	x10E9/L			150-400	
WBC	10.0	x10E9/L			4.0-11.0	
Authorised by	Bernard Chambers					

CMDHB

Note

12.Mar.2007 14:42 - Report referred to Bharadia, Vandana by Hart, Ross
For your information 123

12.Mar.2007 14:41 - Report referred to Cloete, Eliza by Hart, Ross
For your information 123

Haptoglobins

Report currently unaccepted.

	Filler's Order #	Placer Group #	Priority	Requestor	Specimen Collected	Specimen Received
	07/PZ3107140200	EO36	Routine	L Ferguson	01.Mar.2007 10:54	01.Mar.2007 10:58
Haptoglobins	2.6	g/L			H 0.5-2.4	
Authorised by	Bernard Chambers					

CMDHB

Standards

- **Primary Patient Identifier**

National Health Index [ABC1234]

- **Standard Messaging Protocol**

(HL7)

NZ adoption of HL7 v2.1 (1993)

Most recent version v2.4



- **LOINC**

(Logical Observation Identifiers, Names & Codes)

Observation, organism and procedure coding



Repository Timeline

Installed for Middlemore Hospital 1997

“Paperless” lab reporting 1999

North Shore Hospital joined 2002

“Paperless” lab reporting 2003

Auckland Hospital joined 2003

“Paperless” inpatient lab reporting 2004

**Auckland Regional Primary Care results from
June 2006 – TestSafe branding**

**Auckland Regional Primary Care provider access
from September 2007**

Who has access to your laboratory test results?



TestSafe is an online service that allows community and hospital healthcare providers to share access to your test results.

Sharing your health information between your doctor, nurse, midwife or hospital is essential for providing you with better care.

TestSafe allows your healthcare providers to see your test results if they are requested in the community or at a hospital. This will help you get the care you need faster.

Test results are kept in a secure online database and are confidential to those involved in your care.

Your choice... You can restrict the sharing of your lab test results to other healthcare providers by calling 0800 522 7233 (0800 LAB SAFE) however this may mean some lab tests samples need to be retaken. Your health care provider can also restrict your test results at the time tests are ordered.

More information... Information sheets for you to take away are available at reception. You can also phone the Help Line on 0800 522 7233 (0800 LAB SAFE) or visit www.ndsa.co.nz and click on TestSafe. Translations are available on the information sheet and the web site. TestSafe is operated by Auckland, Counties Manukau and Waitemata District Health Boards.



Who has access to your laboratory test results?



About TestSafe

TestSafe allows your health care providers to see your test results if they are done in the community or in a hospital. This will help to give you the care you need faster.

TestSafe keeps your results in a secure online database which can only be accessed by health care providers involved in your care. Medical staff can access the results if you attend a hospital emergency department or outpatient clinic or you are admitted as an inpatient. Soon, community based health care providers such as your family GP, will also have access to TestSafe.

Benefits to you

The sharing of your test results is beneficial to you in a number of ways:

- Better decision-making when you first see your health care provider, because more complete information is available.
- Tests don't have to be repeated.
- Fewer tests means fewer samples from you.

How is your information protected?

All health care professionals are bound by strict rules of confidentiality. Privacy legislation regulates the way health care providers collect,

use, store, and disclose a patient's personal information. This is backed up by a range of security and tracking measures.

Your choice

There may be some occasions when you do not want a test ordered by your family doctor or community based health care provider to be available to other health providers.

If you decide to withhold a test result from them, you should be aware that your treatment and care could be impacted and may mean some lab tests samples may need to be retaken.

You may prevent test result sharing via TestSafe by calling 0800 522 7233 (0800 LAB SAFE) and providing a date range during which the relevant tests were performed. Your health care provider can also restrict your test results at the time tests are ordered.

More information

You can phone the Help Line on 0800 522 7233 (0800 LAB SAFE) or visit www.ndsa.co.nz and click on TestSafe.

TestSafe is operated by Auckland, Counties Manukau and Waitemata District Health Boards.



TestSafe Privacy

Patient “opt off”

- Not available when there is no alternative delivery mechanism (hospital-directed reports)
- Opt-off is by date or date range
- Historic opt-off is possible
- All TestSafe users are unaware of the existence of the suppressed information

TestSafe Privacy

Audit

- All access is logged and any user can display the audit trail
- Audit by user “fingerprints”, by “celebrity” patient, by patient request
- Break-glass (triggering more intensive audit) is required where the patient is not registered to the user's facility (60-day rule)



- Boswell
- Referrals
- Log Off
- Work Area
- Search
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- Physicians
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- Orders

Date Type Abnls

Observation Report Cumulative Report Graphical Report Observation Details



Print Accept Refer Comment Phone Library Mark

Displaying patients 1-1 of 1

- COLD,Power B
- 23.Feb.2007
 - TERM PROC-CANCEL
 - TERM PROC-CANCEL
 - TERM PROC-CANCEL
 - US BREAST
- 21.Feb.2007 22:11
 - Aspirate
 - 21.Feb.2007 22:10
 - Cerebrospinal Fluid
 - 21.Feb.2007 09:00
 - Electrolyte Faeces
 - 21.Feb.2007 08:10
 - HIV SCREEN

Observations
 << Prior Later >>

Patient Details Patient Encounters Report Details Report Events Report History

Event	When	Method	Add. Info
Report viewed by Boswell, Ross	19.Mar.2007 12:06	Web Page	
Report viewed by Whitehead, Catherine	12.Mar.2007 13:39	Web Page	
Report viewed by Rupasinghe, Shavantha	26.Feb.2007 10:09	Web Page	
Report viewed by Gain, Brenda	26.Feb.2007 10:09	Web Page	
Report viewed by Murray, Amelia	26.Feb.2007 10:09	Web Page	
Report viewed by Mitchell, Angela	23.Feb.2007 11:34	Web Page	
Report viewed by Barron, Stacey	22.Feb.2007 09:43	Web Page	
Report viewed by Graham, Janine	22.Feb.2007 09:43	Web Page	
Report viewed by Westwood, Faith	22.Feb.2007 09:43	Web Page	
Report received by Eclair	21.Feb.2007 11:06	Web Page	
Report amended	21.Feb.2007 11:06	Web Page	
Report created	21.Feb.2007 11:06	Web Page	
Specimen received	21.Feb.2007 09:48	Web Page	
Report requested	21.Feb.2007 09:48	Web Page	

TestSafe – the first three years

1.1M patients tested

20M test groups received

15% of test groups viewed



96 patients opted off


TestSafe – Next Steps

- Other diagnostic reports (radiology, cardiology, endoscopy, “metrics”)
- Incorporation of dispensing records (branded as TestSafe Pharmacy)
- Computer-based test ordering
- Possible incorporation of Health Event Summaries

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- Create Orders

Patient and Order Details [Copy To](#)

Encounter  

Collect when 

Supporting Clinical Information

Please select the fasting status of the patient

Fasting Status

Use Additional tab to select other tests or enter below

Specify Other Tests

Contact No.

Ph.

Biochem **Haem** Imm Drugs Profiles Dialysis Micro Swabs Additional

STAT ANALYSIS

- | | | |
|--------------------------------------|----------------------------------|--|
| <input type="checkbox"/> B/G Na/K | <input type="checkbox"/> Glucose | <input type="checkbox"/> Ionised Calcium |
| <input type="checkbox"/> Blood Gases | <input type="checkbox"/> Na/K | <input type="checkbox"/> Lactate blood |

BIOCHEMISTRY

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Na/K/Cl | <input type="checkbox"/> Liver F | <input type="checkbox"/> Haemoglobin A1c |
| <input checked="" type="checkbox"/> Urea | <input type="checkbox"/> Bilirubin Total | <input type="checkbox"/> Gestational Diabetes |
| <input checked="" type="checkbox"/> Creatinine | <input type="checkbox"/> ALT | <input type="checkbox"/> Oral Glucose Tolerance |
| <input checked="" type="checkbox"/> Glucose | <input type="checkbox"/> ALP | <input type="checkbox"/> Thyroid Function |
| <input type="checkbox"/> Urate | <input type="checkbox"/> GGT | <input type="checkbox"/> Free T4 |
| <input type="checkbox"/> Ca/Alb | <input type="checkbox"/> Amylase | <input type="checkbox"/> TSH |
| <input type="checkbox"/> Magnesium | <input type="checkbox"/> Lipid Studies | <input type="checkbox"/> Iron Studies |
| <input type="checkbox"/> Phosphate | <input type="checkbox"/> HDL Cholesterol | <input type="checkbox"/> Ferritin |
| <input checked="" type="checkbox"/> C-Reactive Protein | <input checked="" type="checkbox"/> Cholesterol plasma | <input type="checkbox"/> Fe/IBC |
| <input type="checkbox"/> Myocardial | <input type="checkbox"/> Triglyceride plasma | |

Tumor markers

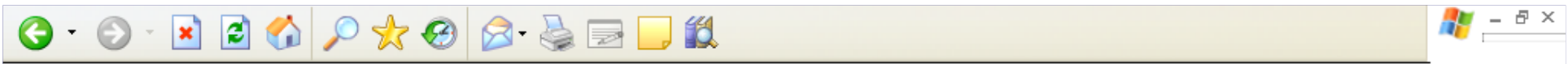
- PSA
- BHCg Tumor
- CEA
- Alpha Feto Protein

Protein Studies

- Prot/Alb
- Protein Electrophoresis
- Immunoglobulins

Pregnancy Tests

- Pregnancy Test



ECLAIR®

Patient Demographics

Name **Clarke, Elizabeth**
NHI **LMM5665** Sex **F** Date of Birth **11/12/1965** Age **40 Years**

Eclair Demo User

Date Type **Abnls**

Observation Report **Cumulative Report** Graphical Report Observation Details

Inbox (48)



Print Accept Refer Comment Phone Library Mark Copyto ECB

Referrals (26)

Displaying patients 1-1 of 1

Prescription

Report currently unaccepted.

Log Off

- Clarke, Elizabeth
- Complete blood count
- 15/03/2005 09:53
- Prescription
- 12/10/2004 14:58

Filler's Order #	Requestor	Specimen Received
04/VT69788	Edward	12/10/2004 14:58

Home

Work Area

Extended Cumulatives

Bookmarks

Clinicians Enquiry

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Library

Emergency Access

Inpatients

Community Bridge

My Reports

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Observations

Later

Lanoxin	2	Tablets	250mcg
Salazopyrin	1	Tablets	500mg EC
Imtrate	1	Tablets	600mg SR
Isoptin	1	Tablets	240mg SR
Apo-Thiamine	1	Tablets	50mg
Atrovent	1	Inhaler	20mcg
Inhibace	1	Inhaler	100mcg

For clinical information please click on the individual test

Success Factors

Pre-existing NHI framework

“Bottom-Up” implementation

Reliability and speed of access

Well-defined governance principles

Attention to privacy and confidentiality

Open audit trail

Users are free to print records

Further Information

www.TestSafe.org.nz

www.sysmex.co.nz/eclair

Ross.Boswell@middlemore.co.nz

End