Funder Portal – A Means of Secure Information Sharing

16th October 2015



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ABI Rehabilitation New Zealand Ltd.

Background



- Increased uptake in electronic client management systems (CMS)
- Sharing of information has significant advantages however it must be
 - Convenient
 - Intuitive
 - Protect privacy

ABI Rehabilitation



- ABI Rehabilitation provides residential and community-based rehabilitation services for people with traumatic brain injury or stroke.
- Inpatient services (Intensive Rehabilitation and Long-Term Services) and Community Services are located in both Wellington and Auckland
- ABI Rehabilitation has developed a CMS that assists with the rehabilitation processes. A recent extension of the CMS is the Funder Portal.

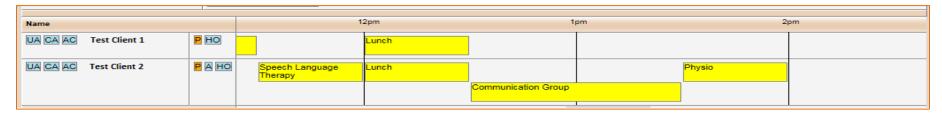
Method



- Collaboration between
 - ACC
 - ABI staff
 - Software developer
 - External IT security auditor
- Test, test and test again!!
- Educational power point shared
- Rolled out in a controlled manner
- Questionnaire sent to case owners and keyworkers interviewed



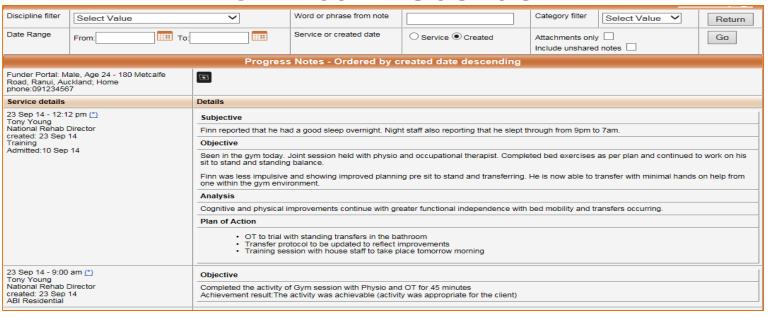
Timetables





Is a Web-based password protected means of storing client information such as:

Clinical Records





Is a Web-based password protected means of storing client information such as:

Rehab Plans





Is a Web-based password protected means of storing client information such as:

Risks, Protocols & Interventions

		Risk Matrix						
Question Level								
Mobility	high							
Manual	handling	g / trans	ferring			high		
Self ne	glect					high		
Commu	unication					med		
Dis-orie	entation /	Memor	у			med		
Dis-inh	ibition					med		
Safety		low						
Protocols (include closed ■) Alert Sheet - Requires Printing								
Add pro	tocol		Risk Protocol	Assoc risks	Rev/Clsd			
<u>edit</u>	print	hist	Walking With a Walking Frame		MB(H)	3 Oct 14		
<u>edit</u>	print	hist	Semi-stand Pivot Transfer		MT(H)	10 Oct 14		
<u>edit</u>	<u>print</u>	<u>hist</u>	Self-care – PTA & physically at	ole	DI(H), SN(H)	24 Sep 14		
<u>edit</u>	<u>print</u>	<u>hist</u>	Communication	Communication DO(M)				
<u>edit</u>	edit print hist Communication DO(M)							
Interventions (include closed ■)								
<u>New</u>		Inter	rvention	Hs/Disc		Rev/Clsd		
<u>edit</u>	print	Sus	tained attention	Speech Lan	guage	30 Sep 14		
<u>edit</u>	print	Wal	king around the site	Physiothera	26 Sep 14			



Is a Web-based password protected means of storing client information such as:

Outcome Measures

	Westmead for Funder Portal										
Question	10 Sep 14	11 Sep 14	12 Sep 14	13 Sep 14	14 Sep 14	15 Sep 14	16 Sep 14	17 Sep 14	18 Sep 14	19 Sep 14	20 Sep 1
How old are you?	No	Yes	Yes								
What is your date of birth?	No	No	Yes	Yes							
What month are we in?	No	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
What time of day is it?	No	Yes	Yes								
What day of the week is it?	No	No	No	No	No	No	Yes	No	Yes	Yes	Yes
What year are we in?	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
What is the name of this place?	No	No	No	Yes	Yes						
Face					Yes	Yes	Yes	Yes	Yes	Yes	Yes
Name					No	Yes	Yes	Yes	Yes	Yes	Yes
Picture I					No	Yes	Yes	Yes	Yes	Yes	Yes
Picture II					No	No	Yes	No	Yes	Yes	Yes
Picture III					No	No	Yes	No	Yes	Yes	Yes
Westmead	0/7	2/7	3/7	5/7	6 / 12	9 / 12	12 / 12	9 / 12	12 / 12	12 / 12	12 / 12



Is a Web-based password protected means of storing client information such as:

Reports



The Funder Portal Journey



PROBLEM

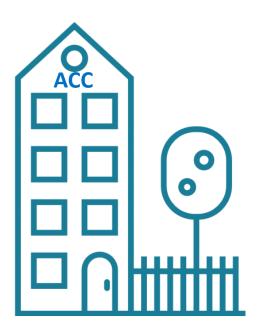
How to improve communication in a secure manner?



How can we share this?



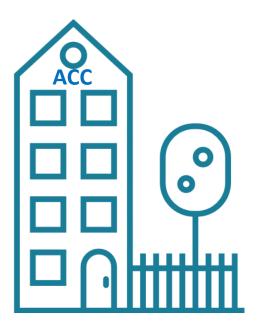




How can we share this?







Why not just use E-Mail?



New Zealand Ministry of Health

"...normal email is stored in an unencrypted format on the Internet Service Provider's server and is therefore readable by third parties;"

"Do not send patient identifiable information or attachments over unsecured email."

Health Information Security Framework 2009

Health Information Privacy Code 1994:

"Email poses special problems in privacy.
Use of email to transmit health information may result in the information being stored on several hard drives, not all of which may be secure from unauthorised access. There is also a risk of interception during the transmission, as email commonly passes through a number of computers on the way to its final destination."

New Edition December 2008

Why not just use E-Mail?





Kiwis' private medical information spilled

New Zealand Herald - 1/10/2015

Officials are investigating how a spreadsheet of National Health Index (NHI) numbers, containing the birth and death dates of 24,092 people, ...

Private medical information of Kiwis divulged in email blunder Stuff co.nz - 1/10/2015

Kiwis' medical information leaked Otago Daily Times - 1/10/2015



child abuse records sent to wrong person

Stuff.co.nz - 2/06/2015

Investigation after child abuse records sent to wrong person ... The records are part of historic abuse claims relating to sexual, physical, and ...

Child abuse details sent to wrong person Radio New Zealand - 2/06/2015



Inquiry launched after HIV clinic reveals hundreds of pa...

The Guardian - 2/09/2015

The Dean Street Express walk-in centre, run by 56 Dean Street clinic, which has mistakenly revealed HIV status of nearly 800 patients.

HIV Clinic Accidentally Reveals Hundreds of Patients' Identities
AlterNet - 2/09/2015



Email outs vulnerable students

New Zealand Herald - 6/08/2015

Dozens of Massey University students' **email** addresses and names ... sending 83,000 claimant details to the **wrong recipient** and emailing a ...



Defence medical records sent to China in security bre...

Sydney Morning Herald - 7/07/2015

Eye test **records** and personal contact details of hundreds of military personnel including soldiers posted overseas were **sent to China** in a ...

The Funder Portal Journey



PROBLEM

How to improve communication in a secure manner?





SOLUTION

Developing a Funder portal!

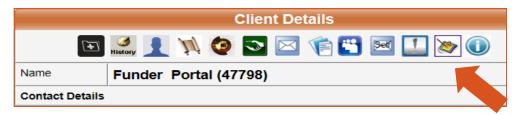
How do we achieve this with mutual benefit???

What is the Funder Portal?



Client Details				Reports Available						
Name	Funder Portal (4	7798)			Date		Report			
Contact Details	J				08/09/2014	08/09/2014 <u>CT Scan</u>				
Home Address	180 Metcalfe Road, Ranui						Doctors as	sessment report		
City	Auckland				12/09/2014		Initial repor	t		
Contact	Home:091234567 Wo	rk:12345678 Mobile:	021456789					Data Sets		
Reference Number	ers and Contacts				Discharge Pl	anning				
ACC No.	CC1234	NHI No.	FP9988		Rehab Plan					
Account	Training account						Outco	ome Measures		
Case Manager					Measure			Formatted Link	Excel Link	
Key Worker	Mrs Soana Foliaki	⑤ 09 831 0089	soana.foliaki@abi-rehab	o.co.nz	10 Metre Wa	10 Metre Walk Test			-	
Demographics					FIMFAMDO	N			-	
Date of Birth	10/09/	1990	Gender	M	Overt Behaviour Scale			×		
Main Contacts					RCS Scores	RCS Scores				
Name	Relationship	Contact details				1100 000100		المسطا		
Tina Portal	Wife	Home:0712345667	Bus:0211234567		Westmead					
							Corr	munications		
Injury Details					Date	Sent to / Event Report			Report	
Date	8/09/2014				22/09/2014	tony.young@abi-rehab.co.nz				
Details Mr Portal (Finn) fell from a ladder whilst cleaning out the guiters at his friends place. The friend heard Fin crashing to the ground but did not see him fall. It is thought that Fin fell onto his left side and hit his head on the concrete ground. He was non responsive when his friend got to him and continued to have a GCS of 3/15 until shortly after the ambulances arrival (15 minutes). His friend reports that his airway was maintained throughout.						Dear Case Mana This is to let you l available. Please Regards	know that the	initial report for Mr Funder Porta link below.	I (Finn) is now	
Mechanism	Mechanism Fall									
TBI Classification	TBI Classification Severe									
Admissions										
Training facility	10 Sep 14									





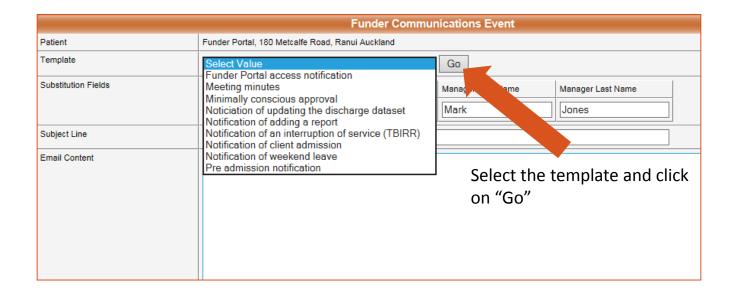
Select this icon



Funder Communications Event										
Patient	Funder Portal, 180 Metcalfe R	oad, Ranui Auckland								
Select the reports to be available to the funder:										
☑ CT Scan		☑ Doctors assessment report	☑ Initial report							
preadmission report		☑ ACC 1151 form.docx								
Select the data sets to be available	e to the funder:									
Acute Data Collection		☑ Discharge Planning	☐ Prognostication							
☑ Show Rehab Plan										
Select the outcome measures to b	e available to the funder:									
☑ 10 Metre Walk Test		☐ Braden Scale For Predicting Pressure Sore Risk	☑ FIMFAMDOM							
☑ Glasgow Coma Scale		☐ Massage treatment	☐ Newspaper Group							
☑ Overt Behaviour Scale		☑ Westmead	☑ Show RCS report							
Select the administration reports to be available to the funder:										
OK Complete & Email Cancel										

Select what information you want to release and click here.







Funder Communications Event									
Patient	Funder Portal, 180 Metcalfe Ro	under Portal, 180 Metcalfe Road, Ranui Auckland							
Template	Funder Portal access not	Funder Portal access notification							
Substitution Fields	First name								
	Funder	Р	Mark	Jones					
Subject Line	Details for Funder P(4779	8)							
Email Content	Dear Mark, This is to let you know that the access to the funder portal for client Funder P is now available. As you may be aware, ABI Rehabilitation has a secure funder view portal for the purpose of sharing clinical information with the funder. By clicking on the link below you will be able to access the funder portal for Funder. Relevant reports, plans and outcome measures will be available to you. We will notify you when information is added or updated. The link embedded in this email will remain active for 30 days. You have the ability to download reports from this portal to your records. Kind regards,								

What the Case Owner Receives



Dear Mark.

This is to let you know that the access to the funder portal for client Funder P is now available.

As you may be aware, ABI Rehabilitation has a secure funder view portal for the purpose of sharing clinical information with the funder. By clicking on the link below you will be able to access the funder portal for Funder. Relevant reports, plans and outcome measures will be available to you. We will notify you when information is added or updated.

The link embedded in this email will remain active for 30 days. You have the ability to download reports from this portal to your records.

Kind regards,

Click here!

Please lick here to access the client information.

Tony Young

ABI Rehabilitation New Zealand Ltd

Auckland: 09 8310070 Wellington: 04 2370128 www.abi-rehab.co.nz

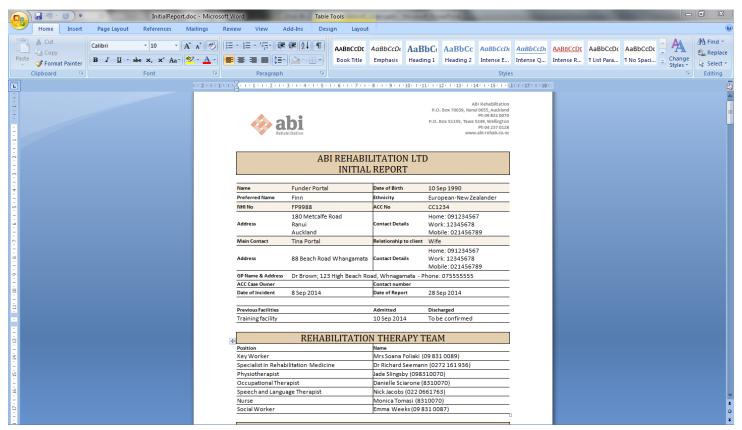
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Client Details							Repo	rts Available]
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Contact Details	J				08/09/2014		CT Scan		CIICK II	כוכ
Home Address	180 Metcalfe Road, R	anui			10/09/2014		Doctors ass	resultent repr		
City	Auckland						Initial report			
Contact	Home:091234567 Wo	rk:12345678 Mobile:	021456789					vata Sets		
Reference Number	ers and Contacts				Discharge P	lanning				
ACC No.	CC1234	NHI No.	FP9988		Rehab Plan					
Account	Training account						Outco	me Measures		
Case Manager					Measure			Formatted Link	Excel Link	
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Demographics					FIMFAMDO	М				
Date of Birth	10/09	1990	Gender	М	Overt Behaviour Scale					
Main Contacts					RCS Scores			17-11		
Name	Relationship	Contact details			1100 000103	<u></u>				
Tina Portal	Wife	Home:0712345667	Bus:0211234567		Westmead				=	
							Com	munications		
Injury Details					Date	Sent to / Event			Report	
Date	8/09/2014				22/09/2014	14 tony.young@abi-rehab.co.nz				
Details	Mr Portal (Finn) fell from a ladder whilst cleaning out the gutters at his friends place. The friend heard Fin crashing to the ground but did not see him fall. It is thought that Fin fell onto his left side and hit his head on the concrete ground. He was non responsive when his friend got to him and continued to have a GCS of 3/15 until shortly after the ambulances arrival (15 minutes). His friend reports that his airway was maintained throughout.					Dear Case Mana This is to let you l available. Please Regards	know that the	initial report for Mr Funde nk below.	er Portal (Finn) is now	
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Admissions										
Training facility	10 Sep 14									







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City	Auckland					12/09/2014		Initial	Click ne	re:
Contact	Home:091234	567 Wo	rk:12345678 Mobile:	021456789					Data Sets	
Reference Number	ers and Contac	:ts			(Discharge Pl	anning			
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Name	Relationship		Contact details			RCS Stores				
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								Com	munications	
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Mechanism Fall										
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<u>'</u>										
Admissions	Admissions									
Training facility 10 Sep 14										



Results of Discharge Planning for Funder Portal								
Question								
Date of Discharge								
Residential Rehabilitation Service discharge date?	25/10/2015							
Is this Tentative or Confirmed? Comments	Confirmed 09/09/15 Now confirmed							
Discharge Destination								
Where is the client being discharge to? Comments	Own home Will be return to his own place							
Is this Tentative or Confirmed?	Confirmed							
Supports Required on Discharge								
Will support with activities of daily living be required? Comments	No No his in independent with PADL's							
Has the funder informed us who the community care provider will be? Provider / Contact person	NA Not required							
Will they require Allied Health input on discharge?	Yes							
If Allied Health input required - what is currently recommended?	Occupational Therapy, Physiotherapy, Speech and Language Therapy							
Has the funder informed us who the community AH provider will be? Provider / Contact person	Yes ABI Rehab							
Follow-up from ABI Rehabilitation Post Discharge								
Is follow-up from ABI Rehabilitation recommended post discharge?	Yet to be confirmed							

Key Benefits of the Funder Portal



- Secure means of sharing information
 - Improved privacy of Client information
 - Reducing client information being sent via email
 - Reducing the risk of client information being sent to the wrong person
 - Access links relate to only one client
 - Only accessible via ACC site

- Quick access to information
 - Access to outcome measures as they are updated
 - Ability to view, download and print reports
 - Ability to forward access within ACC (e.g. manager, new case manager)
 - View changes to discharge planning as they are updated
 - All information in one place

Feedback from ACC Case Owners

■ Good



Responses:

n=12

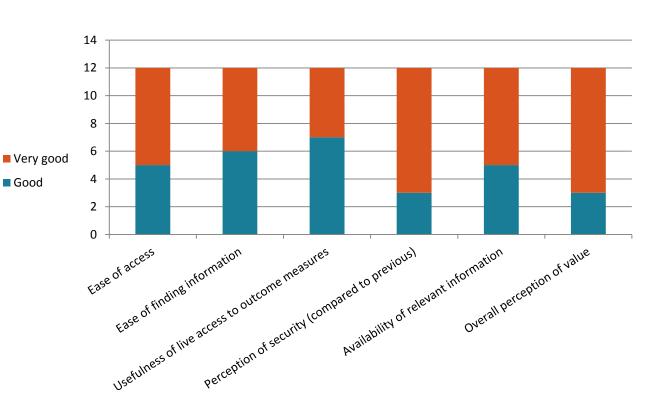
Answer Options:

Very good

Good

Bad

Very bad



Comments





... I found it easy to open (worked the first time) and negotiate my way around no problems. The information in the portal was relevant and easy to upload to our system... it is great to have on the main section the key work contact details for easy access

Very easy to use and very timely.

I think it will be a fantastic information sharing tool and will therefore help the client/ABI/ACC with effective discharge

...the portal is wonderful too.

Great system. Wish we could set something like this up with all our medical providers.

... AND THE FUNDER PORTAL SYSTEM IS FANTASTIC...

ABI Rehabilitation



Pictures designed by Freepik.com

