

DiADeM

A tool to support the diagnosis of Moderate to advanced Dementia in care home settings



Yorkshire and the Humber Clinical Networks

Diagnosing Advanced Dementia Mandate

DiADeM

DiADeM App

Diagnosing Advanced Dementia Mandate

Instruction Manual for App Users

August 2017

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_		Alistair Burns National Clinical Director
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107_32KE		About DiADeM
Contracts suborbs that The faces schewel in Arguna schere the optics spaces	We its first encoded as the set of the set	DIADEM was developed in paper form in 2015 and for some time it has been felt that an electro version of the tool would be really useful so the Yorkshire and Humber CN teamed up with Code4Health to develop the tool into an App that can be used on a variety of hand held portabl
Andres and option 1	 Linder pypip for the base has compare to defend by our of the basis, we can extend that is the cycle's the justice acceleration determination. Retri- reparement 	Concernant to develop the tool mits an App tract and best of it a variety of main help private devices. A small steering group which includes the clinical networks GP Dementia Adviser, repre- sentatives from Code4Health, Application insight: the App developer and Network staff, has best working towards getting a prototype ready including testing prior to launching the App and making
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•	ced Dementia in the Care Home setting can be made with tainty if ALL five criteria isted are met	DiADeM - Diagnossing Advanced Dementia Mandate DiADeM Web Service
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degree of cert pp version can col would be: liable instantly a montatic calculati mobile App inc. where clinicia App generates do to an OPEN to natically and the ame and pass w reports include to the GP Der 0 codes. DIADeM SNOMEE DIADeM Which	binly if ALL five criteria listed are met be used on a smart phone or tablet. Through the app, the as soon as access is required removing the need to download ons will eliminate user error. Turkes different cogniture ingainment tests which facilitates ins prefer one over another, (e.g. SCIT or GP COG) are aport at the end of the test which is sent via a secure criteria and the statistical secure of a secure or download DR server where it as fund the patients CP practice is alerted practice manager or near staps to table incling adding the mentiar register if it is a positive diagnosis using the relevant D read code has been granted to indicate a dementia diagnosis improve registration and will help future audits Delice an have huge positival for future Angel evelopment	DUADENT Web Service The service serv

QUICK GUIDE – The screens in the DiADeM App are very straight forward and should be easy to follow, below are a quick guide to the steps in the process of a DiADeM assessment. The pages following this 'Quick Guide' give further detail about the DiADeM project and describe in more detail each screen you will see on the App.



•	DiADeM App Testing Instructions		
	INTRODUCTION		
	The DiADeM Tool is a Dementia Diagnosis tool aimed solely for use in care home settings; if the Yorkshire and Humber Dementia Clinical Network. It was developed with input from a the field of Dementia from across the health spectrum and in particular from Dr Graeme Fin their existing protocols on which this tool is based. The tool has support from and has been recommended by Prof Alistair Burns the National O We completed an audit of the use of the tool in 2016 and it was quite positive and shows the have been made using the paper based DiADeM tool and a further 9 responses had made p numbers. The audit shows good use of the tool but there is room for further promotion, and	range of stakeholders i nlayson & Dr Subha Thi Clinical Director for Der nat at least 24 positive ositive diagnosis but w	ncluding experts in yagesh who shared nentia diagnosis of Dementia
	It was felt that an electronic version of the tool would be really useful and the Yorkshire an Code4Health to develop the tool into an App that can be used on a variety of hand held poincludes the clinical networks GP Dementia Adviser, representatives from Code4Health, Ap Clinical Network staff, has been working towards getting the Public Beta version 1.0 ready to Regionally and Nationally. After initial testing in October 2016 and July 2017 we are now la	table devices. A small plication Insight - the A for launching and maki	steering group which pp developer and ng it available
	Please follow the instructions set out in this guide to help		
_			
	You will have been directed when you registered for an account to help you to get the App chosen device When you have the app on your device you are ready to start using DiADeM. You should have a DiADeM Crown on your device similar to this image	installed on your	

	There are a number of steps within the App that will always be the same so to guide you through those general processes please follow these instructions each time you use DiADeM.	
1	Begin by opening up the app on your device you will see the DiADeM home screen 'Welcome to DiADeM' From here you simply touch on the 'Start DiADeM' blue button Or you can touch the DiADeM Crown symbol in the navigation bar along the bottom	<section-header></section-header>
2	Login	Login Logi
	This is the Login screen where you enter the username and password you set up when you registered for an account Users will have to agree to the DiADeM terms and conditions – you can view these by clicking on the link here this will open the terms and conditions in a new window see below *NO Internet or Wi-Fi connection – DiADeM works best when there is an internet connection available. However, when this is not possible you can still use the App and store the DiADeM assessment on the device. As soon as you then go in to an area where you can connect to the internet you can go back in to the App and send the report off in the usual manor, the assessment will then automatically be deleted from the device. The App will store an assessment for a period of no longer than 1 Month from the date of the assessment after which time the stored data will be deleted even if the report has not been sent. It will be the App user's responsibility	Image: A contract of the contract o

to ensure if this happens that they arrange for the assessment to be done again with that patient.		
DiADeM terms and conditions At the end of the terms of conditions we ask the user to confirm they are a qualified health professional with a valid reason to use DiADeM	Logn Logn	
When the agreement has been read the user can click OK This takes you back to the screen above (Login) from there click login to DiADeM	ок	



5	The Interviewer The next screen asks you to enter the full name of the Interviewer - please enter your name here each time After the first test the app will auto complete the Interviewer name each time the user accesses it. If you are sharing device please ensure that you enter your name here each time you do a DiADeM assessment	The Interviewer Description The Interviewer Enter the full name of the parson taking the role of interviewer. Dr Tester Next
6	The Patient	The Patient ,
	The next screen asks for the full name of the patient - please add the patients First name here Surname here Please complete the Date of Birth field	The Patient Enter the patient's first and last names Ordon Banks
	At this point you can Save & Quit should you wish to come back and complete later The next time you login to the app you will see a 'Saved DiADeM Assessments' screen where you will be able to choose earlier saved assessments	Choose the patient's date of birth

7	The Location The next screen is the Location – Here you will need to enter the Name of the care home postcode of the care home	The Location Provide Development of Provide The Location Mark is the name of home in which this DUDeld interview is taking alloc? Dubel interview is taking alloce? The Care Home How care in the house of the new ballow How care home ballow	
	 Here you have a drop down of just two options either: Residential care home Nursing home Select as appropriate 	BD1 1BD And is a Residential flowner or a Resing Terrer Residential Care Home	
8	Functional Impairment The next screen you will see is the Functional Impairment Screen please select 'True' or 'False' if this is marked True then the test continues If False is selected the next screen will be the Review screen and you will follow the path as described at 11 below	Intercloral Impairment Impairment	

9	Selecting a Memory Assessment Tool The next screen is where you select the cognitive memory assessment test, the DiADeM App incorporates the 6 CIT which is the test that is embedded in the original paper based version of DiADeM and we have also added in the GP COG Please select your preferred test	Memory Assessment Tool Selecting a Memory Assessment Tool Which Memory Assessment Tool Which Memory Assessment Tool is being used with the patient? Please Select
	At this point you can Save & Quit should you wish to come back and complete later. The next time you login to the app you will see a 'Saved DiADeM Assessments ' screen (see 3 above) where you will be able to choose earlier saved assessments	
10	Memory Assessment Follow the on screen instructions until you come to the end of the test	

11	Memory Assessment Summary	6 CIT Memory Assessment Interview II
	The next screen you will see is the Summary screen relating to the cognitive impairment test taken (either 6 CIT or GP COG) which has totalled up the scores and worked out if cognitive impairment is indicated or not	2 6 CIT - Summary What Year: incorrect What Month: incorrect What Teal: incorrect Com Backwadd: 1 Eiron 1 Mont Address: 8 Errors
	The pink bar	Total score = 26 8 and above indicates impairment.
	will display one of the following:	Cognitive Impairment Indicated
	 1) Informant Interview Needed (GP COG Part 2) if this is indicated then you will need to do an informant interview with the patients next of kin, close relative or car home staff to complete the GP COG assessment 2) False -(if impairment is NOT indicated) 3) True - (if Impairment IS Indicated) 	Next

2	Review	Keview Solow-up1 Forward
	The next screen will Depend on the result of the cognitive impairment test - If Cognitive impairment is NOT indicated then the next screen that you will see is the Review screen which will confirm that cognitive testing was false and therefore diagnosis of Dementia NOT Indicated (Because DiADeM is based on diagnosing Dementia in care home settings only if ALL 5 criteria are True)	Review Fregional Impairment: FALSE Scholaration personsent: Thrue Scholaration personsent Scholaration personsent Dagonosis or Dementia Nost Indicated Next
	After the Review screen a further screen is displayed Diagnosis of Dementia Not Indicated with advice around considering further referrals on to other services if in your clinical judgement it may be helpful/useful/needed and also to consider adding this person to the GP register using a 'memory test taken' code (where used/available) and to consider giving advice/patient information etc. This Review Screen is used throughout the App whenever a Negative/False is selected at any of the 5 tests, the user is directed to the review screen and then the advice screen because a positive diagnosis has not been reached	Vaniant Advice Vanue 3 Diagnosis of Dementia Not Indicated Consider referance to the following ("available:
	The Review screen also appears when all 5 tests are Positive and a Diagnosis of Dementia is indicated - the screens that follow on from that point are then different and give advice on adding the patient to the GP register with the relevant CTv3/Read/ SNOMED codes etc. The suggested codes will appear in the DiADeM reports The screens that follow a Positive diagnosis can be seen from page 12 below	 Local community mental headmines Local memory direct Vou have not been able to reach a definitive diagnosis of Dementia Add the spectro to the GP Regregorities using a memory test taken of ode with a flag to follow up with a review in 12 Months time. Give information to Patient (if appropriate)

.3	The Informant	The Informant Preparation 6
	If the Cognitive Impairment test is positive then the next screen is the Informant screen	The Informant
	Please enter their name	Please enter the full name of the person who is providing information for the remaining questions
	Choose from the drop down list the informants relationship to the patient	Enter Full Name What is the relationship of this person to the patient? Please Select
	At this point you can Save & Quit should you wish to come back and complete later. The next time you login to the app you will see a 'Saved DiADeM Assessments ' screen (see 3 above) where you will be able to choose earlier saved assessments	
L4	CorroboratingHistory	Corroborating History Status
	The next screen you will see is the Corroborating History Screen please select 'True' or 'False' if this is marked True then the test continues	3 Corroborating History History of gradual cognitive decline. History of gradual cognitive decline. History of gradual cognitive decline.
	If False is selected the next screen will be Review screen and you will follow the same path as described at 12 above.	medical records. Self-repaired records. The patient consistently demonstrates both functional and cognitive impairment. True

5	Investigations	Investigations
	The next screen you will see is the Investigations Screen please select 'True' or 'False'	4 Investigations
	In the first question about Bloods there is a 'Blood tests not Appropriate' option which is selected if it is felt to be clinically inappropriate to take bloods this will not affect the decision to diagnose Dementia if all other criteria are met, the app will add a code for blood test declined (CTv3 - XaZOq or READ - 41M) to the final report.	Are stood read to available from the last 12 member scalar (PKC, storage for the thorse) bytes of all-storage (PKC, storage for the thorse) bytes of all-storage (PKC, storage for the thorse) bytes of table levels? Yes by Interconst Pathology Suspected? Please Select. If Interconstal pathology is a subdual bytes of an all-storage (PKC)
	There is a 'Not Available at Assessment' option to choose when you don't have previous knowledge or access to the patients record, you can choose and continue with the test and then check this in the patients record once back at the practice. The report will reflect and prompt the check.	Internal for brain som my bin sporoprante Otherate binde offentlike a sommend, differential dagenska is unfaken to alface patient magensett red in davan som m unnecessary.
	The second part asks 'Is Intracranial Pathology Suspected?' if you select No then the test continues. If Yes is selected the next screen will be the Review screen and you will follow the same path as described at 12 Above A note will be added to the report to consider a referral for a brain scan.	
16	Exclusion Criteria The next screen you will see is the Exclusion Criteria Screen please select 'True' or 'False' This is the last question in the DiADeM series and so the next screen you will see is the Review screen. If False is selected the Review screen will show Diagnosis of Dementia NOT indicated and you will follow the same path as described at 12 above .	<text></text>



L7	Choose Report Recipient	Choose DiADeM Recipient
	The next screen is the Choose report recipient screen and here you will choose the name of the GP practice to	Choose Recipient
	receive the DiADeM test report (usually the patients GP). You will need to know who has registered from your	To which GP Surgery should we send your DiADeM report?
	practice/s to be DiADeM report receivers. A drop down list of all those who have registered to be recipients will	If you can't find the Surgery (or individual doctor) you want then consider asking them to register as a DIADeM Recipient at
	appear for you to select the one you need.	www.diademauth.code4health.org Note: the DiADeM report will arrive as a
		PDF mail attachment (only sent to nhs.net email addresses).
		Clinical Networks (Colin Sloane)
	At this point you can Save & Quit should you wish to come back and complete later.	Next
	The next time you login to the app you will see a 'Saved DiADeM Assessments '	
	screen (see 3 above) where you will be able to choose earlier saved assessments	Sinc & Cod
18	Sending Off	Sending Off
18		Sending Off
18	You will now be invited to review the answers to the test	Sending Off
18	You will now be invited to review the answers to the test At this point you are able to go Back	Sending Off
18	You will now be invited to review the answers to the test	Sending Off
18	You will now be invited to review the answers to the test At this point you are able to go Back to review your answers by using the navigation at the top of the screen	You can now post your DIADeM Report to or OpenBHR server for safe storage and for sending on to the DIADeM Recipiert.
18	You will now be invited to review the answers to the test At this point you are able to go Back to review your answers by using the navigation at the top of the screen when you are happy, send the report click here	You can now post your DiADeM Report to our Oynell RF server for task strong and for sending on the DADeM Recipient. If the age can't connect the internet then the report stays in memory for only as long as the DADeM section stays for a
18	You will now be invited to review the answers to the test At this point you are able to go Back to review your answers by using the navigation at the top of the screen	You can now post your DIADEM Report to our OpenEHR server for safe storage and for sending on to the DIADEM Recipient. If the app cant connect to the internet then here post stays in memory for only as long as the DIADEM session stays be - the is currently not call saving of
18	You will now be invited to review the answers to the test At this point you are able to go Back to review your answers by using the navigation at the top of the screen when you are happy, send the report click here You will receive a notification from the server that the report has safely reached it for your own peace of mind.	Sending Off You can now post your DMDeM Report to our OpenFHR server for safe storage and for sending on to the DMDeM Report. The has no or to the DMDeM Report, there is currently no local taking of DMDeM Report.
18	You will now be invited to review the answers to the test At this point you are able to go Back to review your answers by using the navigation at the top of the screen when you are happy, send the report click here You will receive a notification from the server that the report has safely reached it for your own peace of mind. At this point you can Save & Quit should you wish to come back and complete later.	Sending Off You can now post your DMDeM Report to our OpenFHR server for safe storage and for sending on to the DMDeM Report. The has no or to the DMDeM Report, there is currently no local taking of DMDeM Report.
18	You will now be invited to review the answers to the test At this point you are able to go Back to review your answers by using the navigation at the top of the screen when you are happy, send the report click here You will receive a notification from the server that the report has safely reached it for your own peace of mind.	Sending Off You can now post your DMDeM Report to our OpenFHR server for safe storage and for sending on to the DMDeM Report. The has no or to the DMDeM Report, there is currently no local taking of DMDeM Report.

	After you have sent the report the next screen is the Finish screen. When you select Finish the app will automatically delete all of the data from the assessment you have just completed and return to the home screen	Example Example
19	The Practice The person who has agreed to be the Practice 'DiADeM' Champion You will have already registered for an account on the DiADeM Web Service and will have set up a user name and password When a DiADeM assessment has been done the person registered to receive DiADeM reports will receive an email with a PDF attachment. You will need to action this in line with locally agreed protocols. The PDF which will look similar to this Please follow your local practice policy in relation to feeding the report in to the patient's record, including adding any read codes to the patient record to highlight a dementia diagnosis and there is now a NEW SNOMED code which relates to assessment using the DiADeM tool. All of the suggested codes appear in the DiADeM report.	Diabetin Response The of Tell 1017 Loads Tell 1017 Loads Tell 1017 Tell character 1018 Character Tell 1018 Dipoles Tell responses 1018 Dipoles Tell