

The General Practice Tab - GP Connect

The PPM+/Leeds Care Record platform has been updated to make improvements to the GP tab. The GP data which is found on the 'General Practice' tab within the Single Patient View will now provide you with a richer set of GP information using the NHS Digital's GP Connect product.

Through previous clinical engagement, it has determined that the GP Connect product is richer in content than the previous product used (MIG2), and has features such as linking medications to problems and encounters which clinicians find useful.

GP Connect summary page

The screenshot shows a navigation bar with 'Hospital' and 'General Practice' tabs. The 'General Practice' tab is selected and circled in green. Below the navigation bar is a 'Summary' section with the following text:

All relevant items subject to patient preferences and / or RCGP exclusions
 Medication Max Issues are not shared currently
 Past Medications may include prescriptions which have been cancelled or discontinued before the original prescribed end date

Below the summary is a table titled 'Active Problems and Issues' with the following data:

Start Date	Entry	Significance	Details
02-Aug-2018	Cellulitis of leg	Minor	Linked Medication : Active Medication : Doxyoycline 100mg capsules, 14 capsule, two daily Acute Issue Episodicity NEW:
20-Jul-2018	Diabetic retinopathy screening -- onward referral to ophthalmology	Minor	Episodicity FIRST:
03-May-2018	Dressing of wound	Minor	Episodicity FIRST:
12-Mar-2018	Dressing of ulcer	Minor	Linked Medication : Past Medication : Elasticated Viscose Stockinette 10.75 cm x 5 m (yellow line), 5 m, 2-3 weekly dressing Acute Issue Linked Medication : Past Medication : Aquacel Extra dressing 5cm x 5cm square (ConvaTec Ltd), 10 dressing, twice weekly Acute Issue Linked Medication : Past Medication : Mepilex XT dressing 10cm x 11cm (Molnlycke Health Care Ltd), 10 dressing, 2 weekly dressing Acute Issue Episodicity FIRST:

This table compares the previous (MIG2) GP summary page to the new (GP-Connect) summary page;

PREVIOUS General Practice (MIG2)	NEW General Practice (GP-Connect)	<p>The net result is that this page will <i>always be a page you need to scroll to the bottom</i>, because there is a vast amount and useful data. (Allergies and Last 3 encounters)</p> <p>Tip: Using your keyboard, press: CTRL + F to open a search box and type the particular item you are searching for.</p>
Current Problems (Major only)	Summary messages incl. warnings	
Current Meds	Active Problems and Issue	
Allergies	Current medication issues	
Recent tests	Current repeat Medications	
	Current allergies and adverse reactions	
	Last 3 Encounters	

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Left Hand Menu

The GP-Connect tab has a left hand menu, in the same way the previous General Practice (MIG2) tab had.

The screenshot displays the GP Connect interface. At the top, there are two tabs: 'Hospital' and 'General Practice'. The 'General Practice' tab is selected and highlighted with a green oval. Below the tabs is a left-hand menu with various options, each enclosed in a red box: 'All', 'Alerts', 'Allergies', 'eMeds Allergies', 'Audits/Tracking', 'Clinical Documents', 'Dictation (EPRO)', 'Scanned Case Notes', 'Encounters/Events', 'Medications', 'eMeds Prescription Chart', 'Observations', 'Orders', 'ICE Request', 'Outpatient Referrals', 'Plans', and 'External Systems'. A vertical scroll bar is visible on the right side of the menu, with a red arrow pointing to it and a text box containing the text 'Scroll bar for left hand menu'. The main content area shows a patient record for 'Mrs. Ann Aveyard (Receptionist)'. The record includes a list of medications with columns for 'Date' and 'Title'. The medications listed are: '19-Apr-2018 Paracetamol 500mg soluble tablets', '20-Jul-2018 Chlorhexidine Gluconate Mouthwash (Mint) 0.2 %', and '24-Aug-2018 Fortisip Bottle Liquid Feed (Mixed Flavours) Bottle ml'. Below the medication list, there is a section for 'Current Allergies and Adverse Reactions' with a 'Start Date' of '30-Sep-2011'. At the bottom, there is a section for 'Last 3 Encounters' with a table showing dates and titles.

Date	Title
19-Apr-2018	Paracetamol 500mg soluble tablets
20-Jul-2018	Chlorhexidine Gluconate Mouthwash (Mint) 0.2 %
24-Aug-2018	Fortisip Bottle Liquid Feed (Mixed Flavours) Bottle ml

Date	Title
24-Aug-2018	Mrs. Ann Aveyard (Receptionist)
27-Jul-2018	Mrs. Ann Aveyard (Receptionist)

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Allergies

The screenshot shows the 'Allergies' section of the GP Connect interface. The left sidebar contains a menu with the following items: Actions, All, Alerts, Allergies (selected), eMeds Allergies, Audits/Tracking, Clinical Documents, Dictation (EPRO), Scanned Case Notes, Encounters/Events, Medications, eMeds Prescription Chart, Observations, Orders, and ICE Request. The main content area is titled 'Allergies and Adverse Reactions' and is divided into two sections: 'Current Allergies and Adverse Reactions' and 'Historical Allergies and Adverse Reactions'. The 'Current Allergies and Adverse Reactions' section includes a note: 'All relevant items subject to patient preferences and / or RCGP exclusions'. Below this is a table with two columns: 'Start Date' and 'Details'. The table contains one row of data: '30-Sep-2011' and 'Adverse reaction to diclofenac sodium - melaena'. The 'Historical Allergies and Adverse Reactions' section contains a message: 'Historical Allergies and Adverse Reactions data is not supported by this system'.

Start Date	Details
30-Sep-2011	Adverse reaction to diclofenac sodium - melaena

This option contains the same information as the previous General practice (MIG2) tab had.

Clinical Documents

Ignore this option - it has been incorrectly mapped and will be removed when development resourcing allows

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Encounters/Events

This option is a major improvement to the previous General Practice (MIG2) tab. Consultation summary notes are now viewable:

Actions	• Administration of medication under patient specific direction - Administration of medication under patient specific direction (21-Feb-2018)	
All	21-Feb-2018	Dr. Alistair Walling (General Medical Practitioner) - Ashfield Medical Centre (B88055)
Alerts		Type : GP Surgery Location : The Grange Medical Centre Medication : <ul style="list-style-type: none">• Co-codamol 30mg/500mg effervescent tablets GP Surgery : <ul style="list-style-type: none">• Medication review Follow up : <ul style="list-style-type: none">• Medication review Action plan (community) : <ul style="list-style-type: none">• Minor surgery done - injection History : <ul style="list-style-type: none">• Consent given for minor surgery procedure - Risks and benefits explained, consent obtained and form signed. Advice to rest joint given, trin• would like further knee inj, worked well in past but wear off Procedure codes (community) : <ul style="list-style-type: none">• Injection of steroid into knee joint Laterality : Right Comment note : <ul style="list-style-type: none">• Injection of steroid for local action NEC Manufacturer : Pfizer Expiry Date : Oct-2021 Batch Number : S58090• Injection of local anaesthetic NEC Manufacturer : MercuryPharma Expiry Date : Oct-2020 Batch Number : 16472041 Problems : <ul style="list-style-type: none">• Knee osteoarthritis NOS• Malignant neoplasm of oropharynx History : <ul style="list-style-type: none">• tramadol made him feel unwell and has lost weight on these, would like to go back to cocodamol Comment note : <ul style="list-style-type: none">• change back happily• Cancer care review
Allergies		
eMeds Allergies		
Audits/Tracking		
Clinical Documents		
Dictation (EPRO)		
Scanned Case Notes		
Encounters/Events		
Medications		
eMeds Prescription Chart		
Observations		
Orders		
ICE Request		
Outpatient Referrals		
Plans		
Problems/Issues/Diagnoses		
Procedures		
Results		
Clinical Photography		
External Systems		
Summary Care Record		
Order Comms		
More		
	02-Feb-2018	Dr. Sarah Nathan (General Medical Practitioner) - Ashfield Medical Centre (B88055)
		Type : GP Surgery Location : The Ashfield Medical Centre Medication : <ul style="list-style-type: none">• Controlled Drug - Controlled Drug - Tramadol 50mg soluble tablets sugar free Problems : <ul style="list-style-type: none">• Malignant neoplasm of oropharynx

If a user wants to know why a patient is on a particular medication, tracing the initial issue date, to the encounter on that date will provide context.

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Medications

The layout of this page compared to the previous General Practice (MIG2) page appears quite different, but actually contains the same information, often in more detail.

Medications		
Current Medication	Past Medication	Medication Issues
Acute Medication		
Last Issue	Drug / Dose / Quantity	
Not yet issued	Lidocaine 50mg/5ml (1%) solution for injection ampoules, 6P Use, 1 ampoule	
Not yet issued	Metronidazole 200mg/5ml oral suspension, One 5ml Spoonful To Be Taken Three Times A Day, 100 ml	
Not yet issued	Amoxicillin 300mg capsules, One To Be Taken Three Times A Day, 21 capsule	
Not yet issued	Metronidazole 400mg tablets, One To Be Taken Three Times A Day, 21 tablet	
Repeat Medication		
24-Aug-2018	Fortisip Bottle Liquid Feed (Mixed Flavours) Bottle 200 ml, 1 B D, 60 bottle	
15-Aug-2018	Co-codamol 30mg/500mg effervescent tablets, 2 FOUR TIMES A DAY PRN, 24 tablet	
15-Aug-2018	Artificial saliva spray, Two Sprays To Be Used When Required, 50 ml	

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Medication

Medication Max Issues are not shared currently

Past Medications may include prescriptions which have been cancelled or discontinued before the original prescribed end date.

Current Medication Issues

All relevant items subject to patient preferences and / or RCGP exclusions

Start Date	Medication Item	Type	Scheduled End	Days Duration	Details
24-Aug-2018	Fortisip Bottle Liquid Feed (Mixed Flavours) Bottle 200 ml	Repeat	23-Sep-2018	30	60 bottle, 1 B D Linked Problem : Medication requested Linked Problem : Malignant neoplasm of oropharynx
15-Aug-2018	Artificial saliva spray	Repeat	12-Sep-2018	28	50 ml, Two Sprays To Be Used When Required Linked Problem : Medication requested
15-Aug-2018	Calogen emulsion strawberry (Nutricia Ltd)	Repeat	12-Sep-2018	28	500 ml, 30ml daily Linked Problem : Malignant neoplasm of oropharynx
15-Aug-2018	Co-codamol 30mg/500mg effervescent tablets	Repeat	12-Sep-2018	28	224 tablet, 2 FOUR TIMES A DAY PRN Linked Problem : Knee osteoarthritis NOS Linked Problem : Medication requested Linked Problem : Malignant neoplasm of oropharynx
15-Aug-2018	Lansoprazole 30mg orodispersible tablets	Repeat	10-Oct-2018	56	56 tablet, One To Be Taken Each Morning Linked Problem : Anaemia unspecified

GP Connect displays in a single page which means *a user will usually need to scroll down a very long page* to get all the information (*TIP: CTRL + F to open search box*)

The order of the GP-C page is;

- Summary messages incl. warnings
- Current medication Issues
- Current repeat Medications
- Past Medications

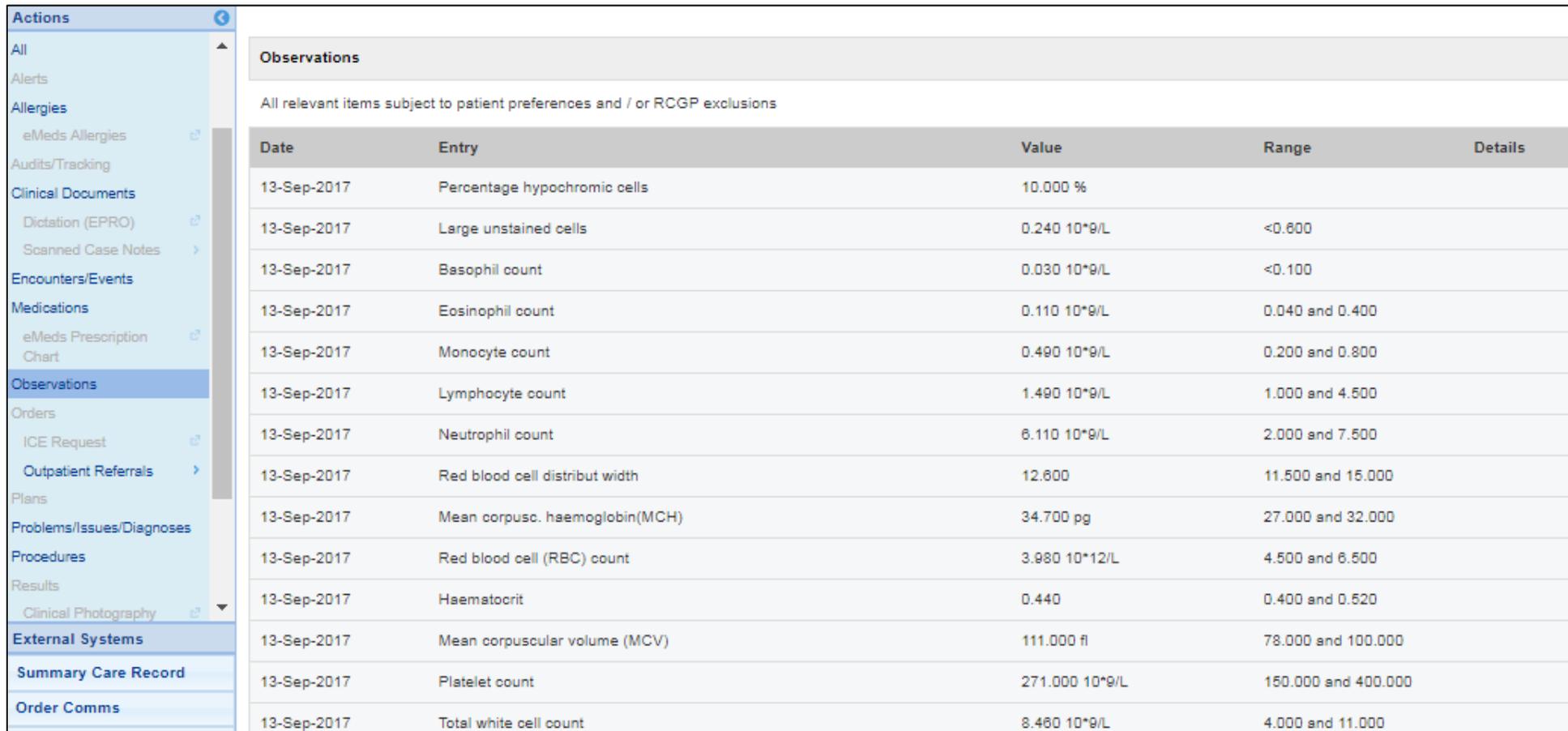
However the beauty of this page is that medications are usually linked to a problem, giving a richer insight as to why the patient has been prescribed specific medications.

NB. Be aware that the order of the columns in the GP Connect Medications view varies between sections.

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Observations

In the previous General Practice (MIG2) tab, 'Observations' is just blood pressures recorded over time. GP Connect 'Observations' is enormously richer, but the detail can be overwhelming and *a user will usually need to scroll down a very long page* to get all the information. (TIP: CTRL + F to open search box)



The screenshot displays the 'Observations' section of the GP Connect interface. On the left is a navigation menu with categories like 'All', 'Allergies', 'Clinical Documents', 'Medications', 'Observations', 'Orders', 'Procedures', and 'Results'. The 'Observations' category is selected. The main content area shows a table of lab results for the date 13-Sep-2017. The table has columns for Date, Entry, Value, Range, and Details. Below the table, there is a note: 'All relevant items subject to patient preferences and / or RCGP exclusions'.

Date	Entry	Value	Range	Details
13-Sep-2017	Percentage hypochromic cells	10.000 %		
13-Sep-2017	Large unstained cells	0.240 10 ⁹ /L	<0.600	
13-Sep-2017	Basophil count	0.030 10 ⁹ /L	<0.100	
13-Sep-2017	Eosinophil count	0.110 10 ⁹ /L	0.040 and 0.400	
13-Sep-2017	Monocyte count	0.490 10 ⁹ /L	0.200 and 0.800	
13-Sep-2017	Lymphocyte count	1.490 10 ⁹ /L	1.000 and 4.500	
13-Sep-2017	Neutrophil count	6.110 10 ⁹ /L	2.000 and 7.500	
13-Sep-2017	Red blood cell distribut width	12.600	11.500 and 15.000	
13-Sep-2017	Mean corpusc. haemoglobin(MCH)	34.700 pg	27.000 and 32.000	
13-Sep-2017	Red blood cell (RBC) count	3.980 10 ¹² /L	4.500 and 6.500	
13-Sep-2017	Haematocrit	0.440	0.400 and 0.520	
13-Sep-2017	Mean corpuscular volume (MCV)	111.000 fl	78.000 and 100.000	
13-Sep-2017	Platelet count	271.000 10 ⁹ /L	150.000 and 400.000	
13-Sep-2017	Total white cell count	8.460 10 ⁹ /L	4.000 and 11.000	

Outpatient Referrals

Contains similar detail to what was displayed on the previous General Practice (MIG2) tab.

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Problems/Issues/Diagnosis

Another very rich set of information, unfortunately meaning that *a user will usually need to scroll down a very long page* to get all the information. (TIP: CTRL + F to open search box)

Start Date	Entry	Significance	Details
23-Mar-2015	Knee osteoarthritis NOS	Major	Linked Medication : Active Medication : Co-codamol 30mg/500mg effervescent tablets, 224 tablet, 2 FOUR TIMES A DAY PRNRepeat Issue Episodicity FIRST:
30-Sep-2011	Anaemia unspecified	Major	Linked Medication : Past Medication : Ferrous fumarate 140mg/5ml oral solution sugar free, 300 ml, Two 5ml Spoonfuls To Be Taken Twice A DayAcute Issue Linked Medication : Active Medication : Lansoprazole 30mg orodispersible tablets, 56 tablet, One To Be Taken Each MorningRepeat Issue Episodicity FIRST:
27-May-2009	Malignant neoplasm of oropharynx - recurrence nov 2010 with further surgery	Major	Linked Medication : Active Medication : Fortisip Bottle Liquid Feed (Mixed Flavours) Bottle 200 ml, 60 bottle, 1 B DRepeat Issue Linked Medication : Past Medication : Diclofenac 50mg dispersible tablets sugar free, 84 tablet, ONE TO BE TAKEN THREE TIMES A DAYRepeat Issue Linked Medication : Past Medication : Co-codamol 30mg/500mg effervescent tablets, 224 tablet, 2 FOUR TIMES A DAY PRNRepeat Issue Linked Medication : Past Medication : Co-codamol 30mg/500mg effervescent tablets, 224 tablet, 2 FOUR TIMES A DAY PRNRepeat Issue Linked Medication : Active Medication : Co-codamol 30mg/500mg effervescent tablets, 224 tablet, 2 FOUR TIMES A DAY PRNRepeat Issue Linked Medication : Past Medication : Nicotine 21mg/24hours transdermal patches, 28 patch, Apply One Patch Each Day As DirectedAcute Issue Linked Medication : Past Medication : Fluconazole 50mg/5ml oral suspension, 35 ml, 15ml statAcute Issue Linked Medication : Past Medication : Fluconazole 50mg/5ml oral suspension, 35 ml, 15ml statAcute Issue Linked Medication : Past Medication : Co-codamol 8mg/500mg effervescent tablets, 100 tablet, TWO TO BE TAKEN FOUR TIMES A DAY PRNRepeat Issue Linked Medication : Past Medication : Sodium chloride compound mouthwash, 400 ml, AS DIRECTEDRepeat Issue Linked Medication : Active Medication : Chlorhexidine Gluconate Mouthwash (Mint) 0.2 %, 600 ml, AS DIRECTEDRepeat Issue Linked Medication : Past Medication : Controlled Drug - Controlled Drug - Tramadol 50mg capsules, 100 capsule, 1-2 qds prnAcute Issue

Again, problems are linked to medications. (TIP: Users have reported that being able to take the date a problem is recorded, and navigate to the Encounters entry for that date can be enormously useful in obtaining a holistic view of the interaction between GP and patient)

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Procedures

This page usually only includes Immunisations, but again the detail is richer than the previous General Practice (MIG2) page.

Actions	Date	Description	Details
All	11-Oct-2017	Full consent for immunisation	Description : no contradictions to immunisation
Alerts	06-Oct-2017	Seasonal influenza vaccination declined	
Allergies	13-Oct-2016	Seasonal influenza vaccination	
eMeds Allergies	13-Oct-2016	Full consent for immunisation	Description : no contradictions to immunisation
Audits/Tracking	07-Oct-2015	Seasonal influenza vaccination	
Clinical Documents	07-Oct-2015	Full consent for immunisation	Description : no contradictions to immunisation
Dictation (EPRO)	05-Oct-2015	Influenza vaccination first verbal invitation	
Scanned Case Notes	20-Oct-2014	Seasonal influenza vaccination	
Encounters/Events	20-Oct-2014	Full consent for immunisation	Description : no contradictions to immunisation
Medications	03-Oct-2014	Influenza vaccination verbal invitation	
eMeds Prescription Chart	28-Oct-2013	Seasonal influenza vaccination	
Observations	28-Oct-2013	Full consent for immunisation	Description : no contradictions to immunisation
Orders	28-Oct-2013	Pneumococcal vaccination	Manufacturer : SANOFI Expiry Date : Feb-2015 Batch Number : J006392 GMS : GMS Injection site : Right arm
ICE Request			
Outpatient Referrals			
Plans			
Problems/Issues/Diagnoses			
Procedures			
Results			
Clinical Photography			