

PGx EHR

8 screens

Welcome to this interactive demonstration of a pharmacogenomic clinical decision support system, integrated with primary care electronic health record prototype.

Please click anywhere on the screen to advance through the prototype and do share any comments/feedback.

Thank you,

University of Manchester Progress Research Team and Digital Health Software Team

Click anywhere to start



WFEHR

SummaryConsultationsMedicationProblemsInvestigationsCase HistoryDiaryDocumentsReferralsNew Consultations

Add Drug

Restart

Reauthorise

Match

Link problems

Delete

Rx Type

Edit

Replace

One-off issue

G/T Switch

Cancel issue

Reprint

Request issue

Grouping

View Style

Drug History

Regime Review

Screen Message

Norminations

Patent Actions

Search View

Config

Print

Drug Info

Mouse, Mickey (Mr)

Born01 Jan 1960 (62)GenderMaleNHS No.UnknownUsual GPPatel, Raina (Dr)

My record

All records

Drug / Dosage / Quantity

Date stopped

Reason

Last Issue Date / Authoriser

Acute

Withdrawn

Amoxil 500mg capsules (GlaxoSmithKline UK Ltd)

One to be taken three times a day, 21 capsules

10 May 2007 Patel, Raina (Dr)

Aspirin 75mg dispersible tablets

As directed, 1 tablet(s)

20 Dec 2006 Patel, Raina (Dr)

CB Fentanyl 25micrograms/hour transdermal patches

As directed, 7 patches

20 Dec 2006 Patel, Raina (Dr)

Withdrawn

Influvac Sub-unit vaccine suspension for injection 0.5ml pre-filled syringes (Viatris UK Healthcare Ltd)

As directed, 1 pre-filled syringe(s)

20 Dec 2006 Patel, Raina (Dr)

Withdrawn

Hegram 500mg tablets (Sanofi)

As directed, 29 tablets

04 Aug 2005 Patel, Raina (Dr)

Paracetamol 500mg tablets

One to be taken every 4-6 hours up to four times a day, 50 tablet(s)

06 Jun 2022 Patel, Raina (Dr)

Sildenafil 25mg tablets

One to be taken daily, 4 tablet(s)

20 Dec 2006 Patel, Raina (Dr)

Repeat

CB Buprenorphine 5 micrograms/hour transdermal patches

1 weekly, 2*2 patch(es)

14 Jul 2006 Longon, John (Dr)

Withdrawn

Gaviscon Liquid Take 10-20ml after meals and at bedtime if needed, 500ml

14 Jul 2006 Longon, John (Dr)

Salbutamol 100micrograms.does breath actuated inhaler CFC free

One puff twice an day, 1 inhaler(s)

14 Jul 2006 Longon, John (Dr)

External views

Summary Care Record

Graphnet Portal

Docman Share Viewer

Elemental SPx

App Library

GP Connect

PDS Synchronisation failed

3

WFEHR

SummaryConsultationsMedicationProblemsInvestigationsCase HistoryDiaryDocumentsReferralsNew Consultations

Add Drug

Restart

Reauthorise

Match

Link problems

Delete

Rx Type

Edit

Replace

One-off Issue

G/T Switch

Cancel Issue

Reprint

Request Issue

Grouping

View Style

Drug History

Regime Review

Screen Message

Normations

Patient Actions

Search View

Config

Print

Drug Info

Mouse, Mickey (Mr)

Born 01 Jan 1960 (62)

Gender Male

NHS No. Unknown

Usual GP Patel, Raina (Dr)

My record

All records

Drug / Dosage / Quantity

Acute

Withdrawn Amoxil 500mg capsules (GlaxoSmithKline UK Ltd) One to be taken three times a day, 21 capsules

Aspirin 75mg dispersible tablets

CB Fentanyl 25micrograms/h

Withdrawn Influvac Sub-unit

Withdrawn Hegram 500mg tablets

Paracetamol 500mg tablets (One to be taken three times a day, 21 tablets)

Sildenafil 25mg tablets One to be taken three times a day, 21 tablets

Repeat

CB Buprenorphine 5 micrograms

Withdrawn Gavison Liquid 100mg/5ml

Salbutamol 100micrograms capsules

External views

Summary Care Record

Graphnet Portal

Docman Share Viewer

Elemental SPx

App Library

GP Connect

PDS Synchronisation failed

Add a drug

Name

Dosage

Quantity

Rx Types

Authorising Clinician

X

Duration

Day(s)

Acute

NICHOLS, Dave (Dr)

Pack Details

Description

Price

Supplier

Warnings

Drug Information

Current Medication

Past Medication

Allergies

Problems

Pharmacogenetics

Pharmacogenetics

CYP2D6 intermediate metabolizer

CYP2C19 poor metabolizer

Date

Clinician

07 Sep 2022 09:21:56

McDermott John (M)

07 Sep 2022 09:21:56

McDermott John (M)

Add Another

Issue

Issue Later

Cancel

Date stopped

Reason

Last Issue Date / Authoriser

5 July 2022

Expired

10 May 2007 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

04 Aug 2005 Patel, Raina (Dr)

06 Jun 2022 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

14 Jul 2006 Longon, John (Dr)

14 Jul 2006 Longon, John (Dr)

14 Jul 2006 Longon, John (Dr)

4

WFEHR

SummaryConsultationsMedicationProblemsInvestigationsCase HistoryDiaryDocumentsReferralsNew Consultations

Add Drug

Restart

Reauthorise

Match

Link problems

Delete

Rx Type

One-off issue

Edit

G/T Switch

Issue

Cancel issue

Reprint

Requeue issue

Grouping

View Style

Drug History

Regime Review

Screen Message

Nominations

Patient Actions

Search View

Config

Print

Drug Info

Mouse, Mickey (Mr)

Born 01 Jan 1960 (62)

Gender Male

NHS No. Unknown

Usual GP Patel, Raina (Dr)

My record

All records

External views

Summary Care Record

Graphnet Portal

Docman Share Viewer

Elemental SPx

App Library

GP Connect

PDS Synchronisation failed

Drug / Dosage / Quantity

Acute

Withdrawn Amoxil 500mg capsules (GlaxoSmithKline UK Ltd) One to be taken three times a day, 21 capsules

Aspirin 75mg dispersible tabl

CB Fentanyl 25micrograms/h

Withdrawn Influvac Sub-unit

Withdrawn Hegram 500mg ta

Paracetamol 500mg tablets (

Sildenafil 25mg tablets One i

Repeat

CB Buprenorphine 5 microg

Withdrawn Gaviscan Liquid

Salbutamol 100micrograms.d

Add a drug

Name

Codine 30mg tablets

Pack Details

Description	Price	Supplier
28 tablets	£0.99	Drug Tariff England/Wales
28 tablets	£1.59	Teva UK Ltd
28 tablets	£1.62	Actavis UK Ltd
100 tablets	£5.41	A A H Pharmaceuticals Ltd
100 tablets	£5.68	Teva UK Ltd
100 tablets	£4.16	Alliance Healthcare (Distribution)
100 tablets	£3.54	Drug Tariff England/Wales

Dosage

One or two to be takes every four hours when necessary. Maximum 8 in 24 hours

Quantity

28

X

Duration

4

Day(s)

Rx Types

Acute

Authorising Clinician

NICHOLS, Dave (Dr)

Warnings

Drug Information

Current Medication

Past Medication

Allergies

Problems

Pharmacogenetics

Selected Drug Codine 30mg tablets

Schedule 5 (CD Im)

Contains Codine Phosphate 30mg

High Severity Warnings (1)

Warning

This patient is a poor metaboliser for CYP2D6, meaning that they have greater reduced morphine formation leading to diminished analgesia.

Avoid codine use because of possibility of diminished analgesia. Use a non-opioid or, if opioid use is warranted, consider oxycodone or hydrocodone.

Medium Severity Warnings (2)

Caution. Use Opioid Analgesics with caution in mental health disorders and other psychiatric illness. MHRA/CHM advise that there is an increased risk of drug dependence.

Additional support may be necessary.

Attention deficit disorder.

Add Another

Issue

Issue Little

Cancel

Date stopped

Reason

Last Issue Date / Authoriser

5 July 2022

Expired

10 May 2007 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

04 Aug 2005 Patel, Raina (Dr)

06 Jun 2022 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

14 Jul 2006 Longon, John (Dr)

14 Jul 2006 Longon, John (Dr)

14 Jul 2006 Longon, John (Dr)

5

WFEHR

SummaryConsultationsMedicationProblemsInvestigationsCase HistoryDiaryDocumentsReferralsNew Consultations

Add Drug

Restart

Reauthorise

Match

Link problems

Delete

Rx Type

Edit

Replace

One-off Issue

G/T Switch

Cancel Issue

Reprint

Request Issue

Issue

Grouping

View Style

Drug History

Regime Review

Screen Message

Normations

Patient Actions

Search View

Config

Print

Drug Info

Mouse, Mickey (Mr)

Born01 Jan 1960 (62)GenderMaleNHS No.UnknownUsual GPPatel, Raina (Dr)

My record

All records

Drug / Dosage / Quantity

Date stopped

Reason

Last Issue Date / Authoriser

Acute

Withdrawn Amoxil 500mg capsules (GlaxoSmithKline UK Ltd) One to be taken three times a day, 21 capsules

Aspirin 75mg dispersible tablets As directed, 1 tablet(s)

CB Fentanyl 25micrograms/hour transdermal patches As directed, 7 patches

Withdrawn Influvac Sub-unit vaccine suspension for injection 0.5ml pre-filled syringes (Viatris UK Healthcare Ltd) As directed, 1 pre-filled syringe(s)

Withdrawn Hegram 500mg tablets (Sanofi) As directed, 29 tablets

Paracetamol 500mg tablets One to be taken every 4-6 hours up to four times a day, 50 tablet(s)

Sildenafil 25mg tablets One to be taken daily, 4 tablet(s)

Repeat

CB Buprenorphine 5 microg

Withdrawn Gaviscon Liquid 1

Salbutamol 100micrograms.d

Pharmacogenetic warning

Warning This patient is a poor metaboliser for CYP2D6, meaning that they have greater reduced morphine formation leading to diminished analgesia. Avoid codeine use because of possibility of diminished analgesia. Use a non-opioid or, if opioid use is warranted, consider oxycodone or hydrocodone.

Go backCancel

External views

Summary Care Record

Graphnet Portal

Docman Share Viewer

Elemental SPx

App Library

GP Connect

PDS Synchronisation failed

WFEHR

SummaryConsultationsMedicationProblemsInvestigationsCase HistoryDiaryDocumentsReferralsNew Consultations

Add Drug

Restart

Reauthorise

Match

Link problems

Delete

Rx Type

Edit

Replace

One-off Issue

G/T Switch

Cancel Issue

Reprint

Request Issue

Grouping

View Style

Drug History

Regime Review

Screen Message

Normations

Patient Actions

Search View

Config

Print

Drug Info

Mouse, Mickey (Mr)

Born 01 Jan 1960 (62)

Gender Male

NHS No. Unknown

Usual GP Patel, Raina (Dr)

My record

All records

Drug / Dosage / Quantity

Acute

Withdrawn Amoxil 500mg capsules (GlaxoSmithKline UK Ltd) One to be taken three times a day, 21 capsules

Aspirin 75mg dispersible tablets

CB Fentanyl 25micrograms/h

Withdrawn Influvac Sub-unit

Withdrawn Hegram 500mg tablets

Paracetamol 500mg tablets (One to be taken three times a day, 21 tablets)

Sildenafil 25mg tablets One to be taken three times a day, 21 tablets

Repeat

CB Buprenorphine 5 micrograms

Withdrawn Gavison Liquid 100mg/5ml

Salbutamol 100micrograms capsules

External views

Summary Care Record

Graphnet Portal

Docman Share Viewer

Elemental SPx

App Library

GP Connect

PDS Synchronisation failed

Add a drug

Name

Dosage

Quantity

Rx Types

Authorising Clinician

X

Duration

Day(s)

Acute

NICHOLS, Dave (Dr)

Pack Details

Description

Price

Supplier

Warnings

Drug Information

Current Medication

Past Medication

Allergies

Problems

Pharmacogenetics

Pharmacogenetics

CYP2D6 intermediate metabolizer

CYP2C19 poor metabolizer

Date

07 Sep 2022 09:21:56

07 Sep 2022 09:21:56

Clinician

McDermott John (M)

McDermott John (M)

Add Another

Issue

Issue Later

Cancel

Date stopped

Reason

Last Issue Date / Authoriser

5 July 2022

Expired

10 May 2007 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

04 Aug 2005 Patel, Raina (Dr)

06 Jun 2022 Patel, Raina (Dr)

20 Dec 2006 Patel, Raina (Dr)

14 Jul 2006 Longon, John (Dr)

14 Jul 2006 Longon, John (Dr)

14 Jul 2006 Longon, John (Dr)

7

WFEHR

SummaryConsultationsMedicationProblemsInvestigationsCase HistoryDiaryDocumentsReferralsNew Consultations

Add Drug

Restart

Reauthorise

Match

Link problems

Delete

Rx Type

Edit

Replace

One-off Issue

G/T Switch

Cancel Issue

Reprint

Request Issue

Grouping

View Style

Drug History

Regime Review

Screen Message

Normations

Patent Actions

Search View

Config

Print

Drug Info

Mouse, Mickey (Mr)

Born 01 Jan 1960 (62)

Gender Male

NHS No. Unknown

Usual GP Patel, Raina (Dr)

My record

All records

Drug / Dosage / Quantity

Acute

Withdrawn Amoxil 500mg capsules (GlaxoSmithKline UK Ltd) One to be taken three times a day, 21 capsules

Aspirin 75mg dispersible tablets

CB Fentanyl 25micrograms/h

Withdrawn Influvac Sub-unit

Withdrawn Hegram 500mg tablets

Paracetamol 500mg tablets (GlaxoSmithKline UK Ltd)

Sildenafil 25mg tablets One to be taken once daily

Repeat

CB Buprenorphine 5 micrograms

Withdrawn Gavison Liquid 100mg

Salbutamol 100micrograms capsules

Add a drug

Name

Paracetamol 500mg tablet

Dosage

One or two to be taken every four hours when necessary. Maximum 8 in 24 hours

Quantity

28 X

Duration

4

Day(s)

Rx Types

Acute

Authorising Clinician

NICHOLS, Dave (Dr)

Pack Details

Description	Price	Supplier
28 tablets	£0.99	Drug Tariff England/Wales
28 tablets	£1.59	Teva UK Ltd
28 tablets	£1.62	Actavis UK Ltd
100 tablets	£5.41	A A H Pharmaceuticals Ltd
100 tablets	£5.68	Teva UK Ltd
100 tablets	£4.16	Alliance Healthcare (Distribution)
100 tablets	£3.54	Drug Tariff England/Wales

Warnings

Drug Information

Current Medication

Past Medication

Allergies

Problems

Pharmacogenetics

Pharmacogenetics

	Date	Clinician
CYP2D6 intermediate metabolizer	07 Sep 2022 09:21:56	McDermott John (M)
CYP2C19 poor metabolizer	07 Sep 2022 09:21:56	McDermott John (M)

Add Another

Issue

Issue Little

Cancel

External views

Summary Care Record

Graphnet Portal

Docman Share Viewer

Elemental SPx

App Library

GP Connect

PDS Synchronisation failed

Date stopped

Reason

Last Issue Date / Authoriser

5 July 2022

Expired

10 May 2007 Patel, Raina (Dr)
20 Dec 2006 Patel, Raina (Dr)
20 Dec 2006 Patel, Raina (Dr)
20 Dec 2006 Patel, Raina (Dr)
04 Aug 2005 Patel, Raina (Dr)
06 Jun 2022 Patel, Raina (Dr)
20 Dec 2006 Patel, Raina (Dr)

14 Jul 2006 Longon, John (Dr)
14 Jul 2006 Longon, John (Dr)
14 Jul 2006 Longon, John (Dr)

8

WFEHR

SummaryConsultationsMedicationProblemsInvestigationsCase HistoryDiaryDocumentsReferralsNew Consultations

Add Drug

Restart

Reauthorise

Match

Link problems

Delete

Rx Type

Edit

Replace

One-off Issue

G/T Switch

Cancel Issue

Reprint

Request Issue

Grouping

View Style

Drug History

Regime Review

Screen Message

Normations

Patent Actions

Search View

Config

Print

Drug Info

Mouse, Mickey (Mr)

Born01 Jan 1960 (62)GenderMaleNHS No.UnknownUsual GPPatel, Raina (Dr)

My record

All records

Drug / Dosage / Quantity

Date stoppedReasonLast Issue Date / Authoriser

Acute

Withdrawn

Amoxil 500mg capsules (GlaxoSmithKline UK Ltd)

One to be taken three times a day, 21 capsules

10 May 2007 Patel, Raina (Dr)

Aspirin 75mg dispersible tablets

As directed, 1 tablet(s)

20 Dec 2006 Patel, Raina (Dr)

CB Fentanyl 25micrograms/hour transdermal patches

As directed, 7 patches

20 Dec 2006 Patel, Raina (Dr)

Withdrawn

Influvac Sub-unit vaccine suspension for injection 0.5ml pre-filled syringes (Viatris UK Healthcare Ltd)

As directed, 1 pre-filled syringe(s)

20 Dec 2006 Patel, Raina (Dr)

Withdrawn

Hegram 500mg tablets (Sanofi)

As directed, 29 tablets

04 Aug 2005 Patel, Raina (Dr)

Paracetamol 500mg tablets

One to be taken every 4-6 hours up to four times a day, 50 tablet(s)

06 Jun 2022 Patel, Raina (Dr)

Sildenafil 25mg tablets

One to be taken daily, 4 tablet(s)

20 Dec 2006 Patel, Raina (Dr)

Repeat

CB Buprenorphine 5 microg

14 Jul 2006 Longon, John (Dr)

Withdrawn

Gaviscon Liquid 1000mg

14 Jul 2006 Longon, John (Dr)

Salbutamol 100micrograms.d

14 Jul 2006 Longon, John (Dr)

External views

Summary Care Record

Graphnet Portal

Docman Share Viewer

Elemental SPx

App Library

GP Connect

PDS Synchronisation failed

Prescription issued

The prescription has been issued.

OKCancel