Medication Reconciliation Workshop

Prepared by the Saskatchewan Health Authority - Yorkton Area Reviewed by the Patient Safety Unit, Ministry of Health, SK, June 2018



Objectives

- 1. Concept of Medication Reconciliation (MedRec)
- 2. MedRec is team work
- 3. Accessing a patient's medication profile
- 4. MedRec processes and provincial forms
- 5. MedRec compliance audits



Medication Discrepancies





Adapted with permissions from ISMP Canada

Concept of Medication Reconciliation (MedRec)

ISMP Medication Discrepancies



Adapted with permissions from ISMP Canada



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Concept of Medication Reconciliation (MedRec)

What is Medication Reconciliation (MedRec)?

"Medication Reconciliation is a formal process in which healthcare providers work together with patients, families, and care providers to ensure accurate and comprehensive medication information is communicated consistently across transitions of care. Medication reconciliation requires a systematic and comprehensive review of all the medications a patient is taking to ensure that medications being added, changed or discontinued are carefully evaluated. It is a component of medication management and will inform and enable prescribers to make the most appropriate prescribing decisions for the patient."

[Institute for Safe Medication Practices Canada (ISMP) & Canadian Patient Safety Institute (CPSI)]





MedRec is:

- an Accreditation Canada Required Organizational Practice (ROP)
- Key action in the Ministry of Health Plan for 2018-19
- An element in the Connected Care Strategy



Why MedRec?



To improve patient safety by preventing and/ eliminating any adverse drug events on: -Admission -Transfer and -Discharge

True Patient Story

BACKGROUND INFORMATION:

•In April 2017, a 30-yr-old diabetic female patient, CW, with acute coronary syndrome was discharged from the cardiac unit following a Coronary Artery Bypass Graft x 6 stents in March. She started on Ticagrelor (prevents clots when used with Aspirin) in hospital.

•CW experienced repeated excessive nose bleeds resulting in Ticagrelor being discontinued and a notation to be reviewed later on.

•Her post-operation course was further complicated by acute kidney injury and required hemodialysis. She received four treatments prior to being discharged home.

•Arrangements were made to continue hemodialysis 3x/week at the receiving acute care site following her discharge from the tertiary centre.

•At the time of the patient's discharge: Aspirin, Ticagrelor, Lasix, an ACE inhibitor, Beta Blocker and insulin as well as some other meds were indicated on the Discharge Summary, but not dispensed.

What went wrong?



True Patient Story continued...

RESULT:

•Patient went 10 days without taking any of her prescribed meds including Ticagrelor, until it was discovered during her dialysis treatments at the receiving site while **performing MedRec** for new patients. It took the nurses and pharmacy three separate visits with CW to fully determine her medication regimen with numerous follow up calls to the discharging unit and physician

•Fortunately, due to MedRec, there was no harm to this patient and meds were resumed.

IDENTIFIED ISSUES:

•The discharging facility did not perform MedRec on discharge / transfer.

•Discharging physician intentionally utilized a document outside of its intended use as a discharge prescription and caused confusion.

•CW was <u>unknowingly</u> without meds for 10 days–lack of a clear prescription and counselling

•Limited amount of information was shared with the receiving hemodialysis unit medication info received **did not match**. CW is quiet and shy and did not ask any questions about her medications or treatments.

Why MedRec? It saved this patient's life!



Medication Safety Statistics

- Research suggests that more than 50% of clients have at least one discrepancy between the medications they take at home with those a physician or nurse practitioner orders upon admission to hospital.
- A Canadian family health team office reported that when charts of patients on 4 or more medications were audited, only 1 of 86 EMR based medication lists was accurate when compared to a comprehensive patient interview/medication history collection (Barber et al., 2013).
- A 2011 report states that the total cost of preventable, drug-related hospitalizations is about \$2.6 billion per year (Hohl et al)
- A review of published articles found that 10-67% of patients had at least ONE prescription medication history error, when non-prescription medications were included, the frequency of errors was 25-83%
- 12% of patients don't fill their prescription at all
- 12% of patients don't take medication at all after they fill the Rx
- 22% of patients take less of the medication than prescribed

(Safer Healthcare Now- Canadian Medication Reconciliation Quality Audit-2015 Recap Report)



Who is Responsible for MedRec?



•Performing MedRec involves <u>multidisciplinaries</u> working together as a **TEAM** for the patient, as they move through the transitions of care.

MedRec is team work

What is the Pharmaceutical Information Program (PIP)?



Who has a PIP Profile?

All people registered with Saskatchewan Health and the Department of Indian and Northern Affairs who are Saskatchewan residents



The PHN numbers from other provinces along with the RCMP and Canadian Armed Forces number are not provided directly from these sources.

The only time we have identifiers from these other sources is when individuals have used these identifiers in a Saskatchewan hospital and the hospital has in turn provided these identifiers to us.



eHealth Saskatchewan

Screenshots courtesy of eHealth

Accessing a patient's medication profile





- ASA (for most pts) / OTC meds (for most pts) / samples (unless entered by prescriber)
- Meds dispensed in other provinces
- Cancer, Tuberculosis, & STI drugs (dispensed through agency not Community Pharmacies)
- Meds ordered/given in hospital
- Supplies such as needles, areo chambers, etc (exception: diabetic strips will appear)

Screenshot courtesy of eHealth



Accessing a Patient's PIP/Medication Profile Online:

• 3 available options:

1. Pharmaceutical Information Program (PIP)

Register for a PIP account and /or login with an existing account at: https://pip.ehealthsask.ca/PIN_GUI/login.do?operation=prepareLogin

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2. <u>Health Record Viewer (eHR Viewer)</u>

Access PIP through a tab on <u>www.ehealthsask.ca/services/ehrViewer</u>

3. Sunrise Clinical Manager (SCM)

View the patient's eHR Viewer profile through "Medications" tab in SCM.

Screenshots courtesy of eHealth







Screenshots courtesy of eHealth

Accessing a patient's medication profile

"When a person is formally accepted into a facility, MedRec is done at the time of admission that results in a BPMH (Best Possible Medication History), orders and a medication administration record (MAR)".

(from the Ministry of Health Definitions 2017)





• <u>3-step</u> process:



"The Best Possible Medication History (BPMH) is a 'snapshot' of the patient's actual medication use, which <u>may be different</u> from what is contained in their records. This is why the patient involvement is vital." (from Getting Started Kit by ISMP and CPSI)





Step 1: Collecting the BPMH con't

Printed PIP MedRec forms only list meds <u>dispensed</u> in the <u>past 4 months</u>

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Addressograph/Label

PREADMISSION MEDICATION LIST / PRESCRIBER ORDER FORM Keep tals form with the Provedber Orders - Must not be Internet from patient chart.

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CC

Step 1: Collecting the BPMH con't

Draw a wavy line through any med that is <u>completed</u> (ie. Antibiotics).

DO NOT CROSS off any meds that the patient reports as "stop taking on their own'. Write comments for the prescriber to review accordingly

"Completed by" is the ind. that OBTAINS THE BPMH. Sign every page!

"Reviewed by" signed by the ind. that reviews for discrepancies.

Record medication dose, frequency, time/date of last dose & comments <u>as the patient takes it at home</u>-MAY BE DIFFERENT than what was prescribed!

empty lines to prevent additions. Select the appropriate checkbox at the bottom of table when finished the page. If you require more space, photo-copy this page as many times as necessary A ID manually update page numbers on ALL pages of form as necessary (when form fully complete).

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Step 2 : Admitting Orders





Step 2 : Admitting Orders

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List all additional prescription, over-the-counter, and herbal medications the patient is taking below. Upon pempletian, cross out any empty lines to prevent additions. Select the appropriate checkbox at the bottom of table when finished the page. If you require more space, photo-copy this page as many times as necessary AND manually update page numbers on ALL pages of form as necessary (when form fully complete).

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STOP

1. <u>Review the BPMH</u> *If a dosage, frequency or route is missing- Prescribers <u>SHOULD NOT WRITE</u> <u>ORDER</u>S till info obtained or it is a discrepancy!

2. Order <u>EACH</u> medication to continue, change or stop

2 Medication order changes <u>AND/OR</u> rationale for changing or stopping a medication are recorded in the * "Comments" for communication to other disciplines

3. Prescribers MUST print and sign *name*, record *date and time* to <u>EACH</u> page

EXCEPTION: if there are no meds ordered on the LAST page no signature is required

•Ordering 'Meds as at home' or 'Meds as per PIP' without completing the BPMH on the PIP MedRec Form is <u>NOT AN</u> ACCEPTABLE ORDER

4. Reviewed by: Signed by the nurse, pharmacist <u>or</u> <u>prescriber</u> that <u>COMPARES</u> the BPMH, prescriber orders & <u>RECONCILES</u> any discrepancies, including title, date & time

Page 2 of 3

MedRec on 'Admission' <u>Step 2 : Admitting Orders con't</u>

YORKTON REGIONAL HEALTH CENTRE Yorkton, SK PHYSICIAN'S ORDERS

Fax to Pharmacy after every order

Date	Time	Disposition PCP Req	DOCTOR'S WRITTEN ORDER
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- 1. Any <u>NEW</u> medications that are <u>NOT</u> listed on the PIP MedRec Form and need to be ordered on admission are written on the Physician's Orders Sheet (may vary in color/formatting pending on facility)
- 2. In urgent situations when prescribers are not able to complete orders on the PIP MedRec Form <u>prior</u> to the next scheduled doses of meds - these meds can be ordered STAT on the Physician Orders Sheets and be administered to avoid missed doses until the PIP MedRec Form can be completed by the prescriber



September 2015

Step 3: Evaluation



REVIEW THE BPMH AND <u>COMPARE</u> TO THE PHYSICIAN ORDERS AND <u>RECONCILE</u> ANY DISCREPANCIES

> this is the whole intent of the MedRec process!



PIPTEST, JJ 2316 MONTREAL ST REGINA, Saskatchewan



Step 3: Evaluation

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Step 3: Evaluation



Example of discrepancies



Step 3: Evaluation

HEALTH REGION

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CONFIDENTIALITY NOTICE: The content of this communication is confidential and complains personal treat it is intended solely for the use of the patient's health care providers. If you have received this communication in error, please notify the sender immediately and destroy all originals and copies of the misdirected communication.

PREADMISSION MEDICATION LIST / PRESCRIBER ORDER FORM Keep this form with the Prescriber Orders - Must not be thirmed from patient chart.

List all additional prescription, over-the-counter, and herbal medications the patient is taking below. Upon completion, cross out any empty lines to prevent additions. Select the appropriate checkbox at the bottom of table when finished the page. If you require more space, photocopy this page as many times as necessary AND manually update page numbers on ALL pages of form as necessary

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Example of discrepancies



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Step 3: Evaluation

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CONFIDENTIALITY NOTICE: The content of this communication is confidential and cl use of the patient's health care providers. If you have received this communication originals and copies of the misdirected communication.

PREADMISSION MEDICATION LIST / PRES

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Example of incorrect AMO



Step 3: Evaluation

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Example of correctly completed form



MedRec for'Non Admitted' Emergency Patients:

Institute for Safe Medication Practices (ISMP) ISMP List of *High-Alert Medications* in Acute Care Settings

High-elert medications are drugs that bear a heightened risk of causing significant patient harm when they are used in error. Although mistakes may or may not be more common with these drugs, the consequences of an error are clearly more devastating to patients. We hope you will use this list to determine which medications require special safeguards to reduce the risk of errors. This my include strategies such as standardizing the ordering, storage, preparation, and administration of these products; improving access to information about these drugs; limiting access to high-alert medications; using auxiliary bales and automated alerts; and employing redundancies such as automated ar independent doublechecks when necessary. (Note: namal independent double-checks are not always the optimal error-reduction strategy and may not be practical for all of the medications on the fist.)

Classes/Categories of Medications	Specific N
adrenergic agonists, IV (e.g., EPINEPHrine, phenylephrine, norepinephrine)	EPINEPHrine, subcutaneous
adrenergic antagonists, IV (e.g., propranolol, metoprolol, labetalol)	epoprostenal (Flatan), IV
anesthetic agents, general, inhaled and W (e.g., propolol, ketamine)	insulin U-500 (special emphasis)*
antiarrhythmics, IV (e.g., lidocaine, amiedarane)	magnesium sulfate injection
antithrombotic agents, including: anticoaculants (e.e., warfarin, low molecular weight heparin, IV unfractionated	methotrexate, oral, non-oncologic use
 Factor Xa inhibitors (e.g., fondaparinux, apixaban, rivamaban) 	opium tincture
 direct thrambin inhibitors (e.g., argatraban, bivalirudin, dabigatran etexilate) thrambolytics (e.g., alteplase, reteplase, tenecteplase) 	anytacin, N
 glycaprotein llb/illia inhibitors (e.g., eptifibatide) 	nitroprusside sodium for injection
cardioplegic solutions	potassium chloride for injection concentra
chemotherapeutic agents, parenteral and oral	potassium phosphates injection
dextrose, hypertonic, 20% or greater	promethazine, N
dialysis solutions, peritoneal and hemodialysis	vasopressin, IV or intraosseous
epidural or intrathecal medications	*All forms of insulin, subcutaneous and IV, ar
hypoglycemics, aral	tions. Insulin U-500 has been singled out for need for distinct strategies to prevent the typ
hypoglycemics, and inotropic medications, IV (e.g., digoxin, milrinone)	tions. Insulin U-500 has been singled out for need for distinct strategies to prevent the typ trated form of insulin.
	need for distinct strategies to prevent the typ
inotropic medications, IV (e.g., digosis, milrinone)	need for distinct strategies to prevent the typ trated form of insulin. Backg Based on error reports submitted to the I
instrupio: medications, IV (e.g., digaxia, milrisone) issulla, subscratereous and IV Resound forms of drogs (e.g., lopoand amphatenticin B) and conventional counter-	need for distinct strategies to prevent the typ trated form of insulin. Bockg Based on error reports submitted to the 1 Program, reports of harmful errors in the most ofthe inserved in harmful errors, and
instruptic medications, IV (e.g., digunis, milrisone) insulin, subcutaneous and IV legonand forms of dray (e.g., liposanul amphotenicin 8) and conventional counter- parts (e.g., amphotenicin 8 desarycholate)	need for distinct strategies to prevent the typ trated form of insulin. Bosig Based on error reports submitted to the 1 Program, reports of harmful errors in the
inotropic medications, IV (e.g., digunis, milrisone) insulin, subcutaneous and IV ligournal forms of forga (g.g., ligouranul amphotericin B) and conventional counter- parts (e.g., amphotencin B desarycholate) modorate sectorian agents, IV (e.g., desaredetermidine, midazotam)	need for distinct strategies to prevent the typ trated form of insults. Based on error reports submitted to the 1 Program, reports advantide areas, and outputs. Based on error reports submitted and prointeding up toms. During large and Jave 2014, practiti designed is toknowed and prointeding up toms. During large and Jave 2014, practiti designed in toknowed and prointeding up the instance of the state of
instruptic medications, IV (e.g., diguris, milrinune) insulin, subcutaneous and IV logosamal forms of drugs (e.g., liponamal amphotenicin B) and conventional counter- parts (e.g., smphotenicin B descrychalate) moderates sociation agents, m4, for children (e.g., chineal hydratu) moderates sociation agents, m4, for children (e.g., chineal hydratu) moreatical/spinitit = IV = IV = Irmsdormal	need for distinct strategies to prevent the typ traited form of insulin. Basic Based on error reports submitted to the I Program, reports of harmilier due to the most often insuled in harmful errors, and experts, SLMP created and periodicity or forms. During May and Jane 2014, practiti designed to identify which medications wings by prindicidas and arguinizations. Fit
instropic medications, N (e.g., digosis, militiones) insulin, subcutareous and N foreament forms of drame (e.g., foreament anaphotoxicin B) and conventional counter- parts (e.g., anaphotoxicin B desarychadel) moderate section anagenis, N (e.g., chorent hydrato) moderate section agenis, and, for children (e.g., chloral hydrato) moreface/pointis = N i = and (exclamental liquid excentrates, immediate and autianed-release formulations)	need for distinct strategies is prevent the typ trated form of insults. Based on error reports admitted to the Program, report of hamful errors in for most official insulted is handhoff errors in for most official insulted is handhoff errors in the most official errors in the most official insulted in the strategies of the energy of the Decomposition of the Decomposition of the Decomposition of the Decomposition of the energy of the Decomposition of the Decomposition of the Decomposition of the energy of the Decomposition of the Decomposition of the Decomposition of the energy of the Decomposition of the Decomposition of the Decomposition of the energy of the Decomposition of the Decomposition of the Decomposition of the energy of the Decomposition of the Decomposition of the Decomposition of the energy of the Decomposition of the Decomposition of the Decomposition of the Decomposition of the energy of the Decomposition of the Decomposition of the Decomposition of the energy of the Decomposition of the Decomposition of the Decomposition of the energy of the Decomposition of the
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promittions, W waspessin, R or intrasseens 34 form of inside, subcuteneous and R are canadered a class of high-siter transformed insides L-SOM have an input at all respectie regulation regulation to the set of individual statustics is prevent the types of errors that secons with this cancenrable of me insude. Based on error resorts, submitted to the 1528 factional Medication Firms Resortion

Program, reports at harmful errors in the literature, student that takenity the drugs must thus involved in harmful errors, and injust time practitious and advity experts. ISUPE crusted and predicability updates a liter of practical high-advet metictions. During Hay and Aux 2014, precisioner responded to an SUPE survey designed to identify which medications were next frequently considered high-advet of project the advection of a projection. The survey of the advection of the projection of the advection of the survey of the completements of the advection of the protection of the advection of the operate threaghout the US were asked to review the potential Let. This list of drugs and drug catoplane intends the cellection the histing of all who provided input.

IP 2014, Permission is granted to approduce material with progres attibution for internal time healthcare againstance. Other reproduction is problem to without without SMP. Report actual and potential medication errors to the ISMP National Medication Errors ng Program (ISMP MERP) via the website (<u>novociana.co</u>) or by calling 1-800-FALE-L.

ISMP

Individuals presenting to the ER may need MedRec completed as a 'non admitted patient', based on <u>specific criteria as per area</u> <u>policies</u>. This may include use of:

•<u>High Alert medications</u> such as anti-coagulants, narcotics, diabetic or psychiatric medications, antiretroviral therapy (HIV clients) or anti-rejection medications (post organ transplant)

•<u>AND/OR</u> possibly an identified length of stay in the ER



"is the movement of a patient from an acute care facility to his or her residence (ie. Home with or without home care support, personal care home or LTC facility) <u>or</u> to a supportive care bed (ie. Respite or palliative care) in the same or different facility OR within the same facility with a change in pharmacy provider..."

(from the Ministry of Health Definitions 2017)



• <u>3-step</u> process:



ocation:			Label	/Ad	dress	5		
	1							
Allergies:								
								_
Prescription - Discharge to Home Prescri	ription - Discharge to	LTC 🗆	Transfer Transfer (
ommunity Pharmacists: For refills beyond what is listed b	elow, please contact	family physicia	an/nurse practi	tione				
 Active Inpatient Medications Review MAR and a social or order sheets in a social T2hrs 	Medication Status			Also	Prescrit add written o	uantity 1	or narcoti	cs,
Scheduled medication	hame 8 3			and	pabapentin		· ·	_
Medication Dose / Route / Frequency	Administration Adjusted in hospial		/ Rationale / ation	Continue	Quantity Discharge Only	Refills Discharge Only	No Rx Needed	STOP
"Review" DT	'MR			-	□ 1/12 Or	•		┢
					□1/ ₁₂ or			┢
with MAR, BF	MH			┢	□ 1/12 Or			┢
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ompleted by: Signature	Title	luthorized	Prescriber:		#:_			
Date: Time:							(prir (siq	
	-	Phone #:					(alg	
		Date: Prescriber Address 1 and cabapentin	or orders for narcotic	s, contre	olled substan	ces, ben	zodlazep	ines,
Date: Time: DNFIDENTIALITY NOTICE: The content of the communication is confid	dential and contains area	and health infan	nation It is inter	dad co	Jalu for the		the	_

Step 1: Review	Location / Patient / Allergy Info Sa Pre-populates on top
Section 1	Allergies: Codeine Patient Address: 123 Easy Street Yorkton, SK XXX XXX
Patient Destination: Check one	Prescription - Discharge to home 1 Prescription - Discharge to LTC Transfer Medication List - External Transfer Orders - Internal Community Phareeseider For emits beyond what is listed below, please contact family physician/hurse practitioner.
<u>Review</u> DTMR form to the last MAR(s), last 72 hrs of prescriber orders & the initial BPMH <u>AND</u> indicate the status of each med as ' Same as	I. Active Inpatient Medications Review MAR and presoritor order sneets for last 72tms Medication Status Prescriber Orders Scheduled medications, followed by PRN active prior to discharge Image: status Image: status Image: status Medication Dose/Route/ Frequency Image: status Image: status Image: status Medication Dose/Route/ Frequency Image: status Image: status Image: status
prior to admission', 'Adjusted in hospital' OR 'New in hospital'	Scheduled Medications: Warfarin: All active meds will pre-populate V Clinicians 7 days RAMIPRI pre-populate V &/or
"Handwrite" any orders received after form was printed & 'status 'in blank lines provided	FLUOXET (section 1 only) V prescribers 112 V ACETAMINUTHEN INDUCTION INDUCTIONS TO UNIT use this area 112 V Image: Construction of the second secon
"Completed by" is signed and dated by person who completed medication status, compared and reviewed forms as stated above.	PRN Medications: pertinent Dimenby/DRINATE TAB 50 MG 50 MG (1TAB) PD PRN (OR MAY GIVE IV-SEE ALTERNATE ORDER) medication Medications Ordered After Time of Printing: info REANITIONE 150 MG 100 MG TRRE RE 0900 Rwd 2100 V
<i>"Reviewed by"-</i> signed & dated by person confirming document is complete and discrepancies have been identified. If left BLANK, and prescriber has signed, indicates prescriber has reviewed form.	Completed by: Dimah Might Reviewed by: Dimah Might Reviewed by: Authorized Prescribe:: #XXXX

Step 1: Review con't

Section 2

ANY meds that appeared on the PIP and are not on the DTMR form are to be recorded in Section 2

• record change(s) in comments

Record any info for meds 'held or stopped' from admission in the Comments/Rationale/Indication column

			Tonn	e Clay				
SK Discharge Saskatchewan∔	Meds ma	ay pre-p		5	HSN: MRN# Admitte		23 456 987 1av 1.2	654
Location: SHAN	in Section	n 2-vario	es on site					
2. Pre-admission medications as listed on Best Possible Medication History					Prescriber Orders Also add written quantity for narcotics, controlled substances, benzodiazepines and gabapentin			
RESTART pre-admission medications not ordered or stopped in hospital STOP pre-admission medications no longer required		Comments / Rationale /Indication						
Medication	Dose/Route/	Frequency	e.g. of use: -restart Warfarin on discl - stop NSAID due to GIB	harge lleed	Restart Quantity		Ketills No Ry No Ry	STOP
Eurosemide TAB 20 MG 20 MG (1 TAB) PO BID Sched: 0900, 1200			Held on admission		I 1/ or			\checkmark
		\sim			0 1/ 07			
					or .			
3. NEW medications to START after discharge				Pres Also add write controlled auto	n quantity	r Orde for narcolica		
				-		'n	-	
Medication	Dose / Route / Frequency		Comments / Rationale / Indication		Quan Discla	Refils		Å.
7ylensl # 3 1-2 tabs g4k prn fe		pru for paiu	Ten tabs		or 10 0	els		
					1/12	-		
					1/12 or			
					or			
Other Medication Instr	uctions/Comments:				or			
	1	Data		Name of reside	or 1/12 or		Data	
Other Medication Instr Copied/Faxed to:	Name of Recipient/Fax#	Data May 7/12	Copied /faxed to:	Name of recipier	or 1/12 or		Date	
Copied/Faxed to:	Name of Recipient/Fax# มา Drugs R' แร			Name of recipier	or 1/12 or tVFax#		Date May 3	4/18
Copied/Faxed to:	Name of Recipient/Fax# มา Drugs R' แร		Receiving Facility	Dr Al Bett	or 1/12 or tVFax#			
Copied/Faxed to: Community Pharman Long Term Care Home Care	Name of Recipient/Fax# มา Drugs R' แร	May 7/ 18	Receiving Facility Family Physician' Nurse Practitioner Other Copy to patient	Dr Al Bett 555-0000	or 01/1/12 or 10/Fax#		мауз	
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Step 2: Discharge Rx


MedRec on 'Discharge'

Step 2: Discharge Rx con't



MedRec on 'Discharge'

Step 2: Discharge Rx con't

SK Discharge/Tr: SaskatchewanHealt Location: SHA YRH	2	econciliatio	A	ne, Clay 66yrs 03/03/1951 r: M	HSN: MRN# Admitt		23 456 987 1ay 1,2	654		Section 2 & 3
Possible Medication	nedications not ordered or stopp	oed in hospital Frequency O BID	e.g. of use: -restart Warfarin on dis - stop NSAID due to GI	omments / Rationale Andication . of use: tart Warfarin on discharge p NSAID due to GI Bleed Held on admission		itten qua ubstanc pines an	r Order antity for narres d gabapenti set gabapent set gabapent set gabapent set gabapent set gabapent set gabapent	coties, In	-	Discharge Only -Reviews med list and completes Rx for section 2
3. NEW medications Medication 74/cast # 3 Other Medication Instruct	ions/Comments:	Frequency	Comments / Rationa		Pres Ans est entri Huterong Di International Provide Anti- a	n quantity fances, b D	r Order Ter næcelica, se se s		,	Discharges only- 'handwrite' all NEW meds to start <u>AFTER</u> discharge & complete the quantity (Rx) Cross out all blank lines after Rx is completed <u>OR</u> if patient is a transfer to another acute site (this section is not completed)
Copied/Faxed to:	Name of Recipient/Fax# Drugs R' US 555-5555	Date May ≯/1£	Copied Maxed to:	Name of recipie	nt/Fax≢		Date			
Long Term Care			Family Physician/ Nurse Practitioner	Dr Al Bett			мяу 7	418		Prescriber # / address/phone number is completed
Home Care	to: If forced to Communit	by Phormocy	□ Other ⊠ Copy to patient	ED" and retai	in in cho		мау 7	418		when narcotics/controlled substances/gabapentin are
Page num Change ac blank page	bers pre-popu cordingly & incordingly & incordingly & incordingly s when faxing	late. clude al	dPrescrit Dr Al B Dr H 2	er: tter (print) cater (sign) OXXX	#	1				ordered (Prescription Review Program requirement) Saskatchewan Health Authority

MedRec processes and provincial forms



SK Discharge/Transfer Medication Reconciliation Form

MedRec processes and provincial forms

Before faxing Rx or sending med list on transfer-**Review current meds & Rx to identify and resolve discrepancies (medrec).**

If discrepancy is noted:

•contact prescriber asap to return to reconcile directly on the form.

•If prescriber is not available, provide description of "unresolved discrepancies" below in "Comments" to inform Community Pharmacy/ other services of discrepancy & prescriber will need to contact the Pharmacy **directly** to reconcile the Rx.

Select destination category and enter recipient(s) name and date faxed.

Saskatchewan Heal Location: SHA YRH	2			DOB: Gender:	03/03/1951 M		tN# mitted:		1,20	
Possible Medication						Also	add written o rolled substa odlazepines	puentity for	or narco	_
	medications not ordered or stop lications no longer required	ped in hospital	Comments .	(Rationale	Andication					4
Medication	Dose/Route/	Frequency	e.g. of use: -restart Warfa - stop NSAID d	rin on disch lue to GI Bi	Restart	Quantity Betrage Only	Refils Decreme only	No RX Needed	STOP	
Eurosemide TAB 20 MG	20 MG (1 TAB) F Sebed: 0900, 12		Held	on admi	ission		1/12 or			
							0 1/12 or			
							0 1/12 or			_
3. NEW medication	s to START after discha	rge				Also I contro	Prescrib add written guant aled autostan ces patagentin			_
Medication	Dose / Route.	/ Frequency	Comments /	'Rationale	/Indication	:	Quantity Discharge Oily	0000	Discharge	1
Tylenol #3	1-2 tabe g4k	pru for paiu		7eu tabs		1	п2 10 гавь			
		-				II 1 or	12			_
						II 1 or	/12	-		
	4 10 4									
Other Medication Instruc	tions/Comments:									
Other Medication Instruc	Name of Recipient/Fax#	Date	Copied /faxed to:		Name of recipien	t/Fax:		Date		
	Name of Recipient/Fax#	Date May ≯/±£	Copled Maxed to:	acility			8	Date		
Copied/Faxed to:	Name of Recipient/Fax#			ciar/	Name of recipien		e.		y <i>≯</i> *	
Copied/Faxed to: I Community Pharmacy	Name of Recipient/Fax#		Receiving Fa	cian/ ioner	Dr Al Bette		8	Мя	y ≁ y ≁	
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Location: SHA 1E E	101-03 June 21/12				Age: DOB: Gender:	I		N: N#: mitted:						
Allergies: FISH, MUSHR	OOMS, No Known Drug Allergy	P	Pati	ent	t Address: PO B	x					,			
Prescription - Discharge to Ho					Tr	ansfer O	rde	cation Lis rs - Intern	t - Ext al					
	efills beyond what is listed below, ple	ase	con	act	t family physician/nurs	e practiti	ione	er.						
1. Active Inpatient Medications . Review MAR and prescriber order sheets for last 72hrs					Also add write						criber Orders			
Scheduled medications, follow	ved by PRN active prior to discharge	8	-	ital			-	gabapentin			r			
Medication	Dose / Route / Frequency	Same as prior admission	Adjusted in hospital	New in hospital	Comments / Ration Indication	ale /	Continue	Quantity Discharge Only	Refills Discharge Only	No Rx Needed	STC			
Scheduled Medications:											-			
TAMSULOSIN CR TAB 0.4 mg	0.4 mg (1 TAB) PO DAILY Sched: 09:00	V					/	0r	v		Γ			
RIVAROXABAN TAB 10 MG (XARELTO)	20 MG (2 TAB) PO DAILY *EDS APPROVED* Sched: 17:00			V				0r 12	v					
TINZAPARIN SYG 4500 UNITS/0.45 mL	**HOLD** 4500 UNITS (0.45 ML) SUBCUT HS DISCONTINUE VTE PROPHYLAXIS ON DISCHARGE, UNLESS ORTHOPEDIC PATIENT Sched:			~	. Rehold *			0r			V			
SIMVASTATIN tab 20 mg	20 MG (1 TAB) PO HS Sched: 21:00	~						Gr V12	2		F			
POTASSIUM CHLORIDE SR TAB 600 mg (8 mEq)	1800 MG (3 TAB) PO AT BID WITH MEALS Sched: 09:00,17:00		~					Or 12	v					
POTASSIUM CHLORIDE SR TAB 600 mg (8 mEq)	1200 MG (2 TAB) PO DAILY WITH MEALS Sched: 12:00		~			1	/	or or	N					
FUROSEMIDE tab 40 mg	**HOLD** 40 MG (1 TAB) PO DAILY Sched:		~				Ø	Or Or	U	1	\overline{r}			
METOLAZONE tab 2.5 mg (ZAROXOLYN)	**HOLD** 5 MG (2 TAB) PO DAILY Sched:		~		Put on hold renal failure			□1⁄ ₁₂ Or			L			
RABEprazole EC TAB 20 MG (PARIET)	20 MG (1 TAB) PO BID BEFORE MEALS Sched: 08:00, 17:00	Y					/	Or Or	2	-				
Completed by:	<u>.</u> Title		1	ľ		-:	,	#:			_			
Date: June 20	115 Time: 1220		1			,				(prin	it)			
				P	Phone #:					(sig	n)			
Reviewed by:		r.		ļ	Date: 2/16/18	r narcolics. d	contre	olled substand	es, ben	odiazeni	nes			
ONFIDENTIALITY NOTICE: The conternation of the	to f the communication is confidential and have received this communication in error,	conto imm	ins pedia	Ŀ	and gabapentin						_			
f the misdirected communication. ersion: BDM.2.11	Printed on: 2018-Jun-19 at 14					5		,		e 1 of 5				

Example of unclear orders



Community Pharmaclists: For refills beyond what is listed below, please contact family physician/nurse practitioner. 1. Active Inpatient Medications Review MAR and prescriber order sheets for last 72hrs Medication Comments / Rationale / Medication Dose / Route / Frequency Medication Dose / Route / Freq	ocation:	÷								
Community Pharmacists: For refills beyond what is listed below, please contact family physician/nurse practitioner. Image of the practice of the	Allergies: MKA ·									
1. Active Inpatient Medications Review MAR and prescriber order sheets for last 72hrs Medication Status Prescriber Orders Address of the subject of and address of the subject of the subject of address of the subject of addresof the subject of address of the subject of					Transfer	Order	s - Interr	st - Ext		
Review MAR and prescriber order sheets for last 72/rs Medication Status Medication address for last 6 for last 72/rs Scheduled medications, followed by PRN active prior to discharge 0 0 disc direction and categorith 0 0 disc direction and disc direction and disc direction and categorith 0	community Pharmacists: For refills beyond what is listed below, plea	ase	cont	act	family physician/nurse pract	itione	r.	14		-
Scheduled medications, followed by PRN active prior to discharge Image: Scheduled medication		Me	edicat Statu	tion		Also	add written			ics.
Completed by:	Scheduled medications, followed by PRN active prior to discharge	orto	5	pital		_	1 1	li	-	Г
Completed by:	Medication Dose / Route / Frequency	Same as pri	Adjusted	New in hos	Comments / Rationale / Indication	Continu	Quantit Discharge-0	Refills Discharge 0	No Rx Needec	
Completed by:	Clavuln 875mg po BID					V	Or	5/-		t
Completed by:	Morphine 2-5mg Ng2-4Hpm									Ī
Completed by:	Gravol 25-50mg 1/pogBhpin		-	i	-		Or			-
Completed by:	Indansation 4 mg N/po gehpin			4			Or			ż
Completed by:	Tranaat/-2 tabs poQID pm			L	- fifty 660	L	Or	ks	2	
Completed by:	Tyleno 650mg po QIDPIN			r		L	or	K	52	
Completed by:	Aberrazole EC Zomg Podaily An	L	1				Or			Ŀ
Completed by:	Divid tobs that po oral	-			Requeres O.	_	Or			
Completed by:		-		•	specificati	-	Or			
Completed by:		-		-			Or			ļ
Completed by:		F	H	50		-	Or			
Completed by:		10	C							
Date: Time: (prin	Completed by			Ţ	Authorized Prescriber:		#:			_
				-	()				(prir	nt)
	Padawad ka			1	Phone #:				(sig	n)
Reviewed by:				T	Prescriber Address for orders for parcolin	s, contr	olled substa	nces. ban	zodiazeol	Ine

Example of an unreconciled discrepancy from admission



$\sum_{i \in S} Health Region VRHC Facility$				NB I RR Labelor Add	resso	ogra	aph Spac	e .	
Nlergies: Tylenol, Advil, ASA, Sulfa			Pati	ent		1044	ı ıvyıa	atic	ons [†]
rescription - Discharge to Home D Prescription - Discharge	to LTC	5		Transfer Med Transfer Ord					
ommunity Pharmacists: For refills, please contact family physici	an/nu	rse p	oract	itioner.					r
Active Inpatient Medications From MAR(s) and order sheet(s) (last 24 hrs)	Sta Sin Adr		on		Also		rescriber (written quantity rogram Medica		
Scheduled medications, followed by PRN active prior to discharge	Maintained	Changed	Mew	Comments/Rationale	Continue	STOP	Quantity Discharge Only	Refills Discharge Only	lo New Rx Needed
Medication Dose / Route / Frequency Atenala / 25mg. PO'OD inam.	W	C			ŭ	Y	□ ¹ / ₁₂	Disc	Nov -
luoxetine. 20mg POEODeloem	-				ť	1	Or 1/12 0r		V
efAZolin. 16 IVq 8h x 3 doses			-	2 pt going hom	V	1	0r		V
letarolac 30mg. 28h x 3doses. IV			-	I made andered		Z	0r 1/12		V
Metamucil 25mL. PO@HS			2	-	L	Ľ	□ ¹ / ₁₂		\checkmark
Sumatriptan 100mg Teb PO PRU for Mysee Dimenty DRINATE JONG INFILL of 4-627 RAX		_			L	K	D 1/12 Or		V
Morphine. 2. Smg to Komg I Va 4-6h PR NX6000		-	-	-	+	l	Or 1/12		
Tamacet 1-2 Tabs PO = 4-6h PRD.	-	-	~		1	1	Or 1/12	6	D
Cino go mg RD	-			(10)	ť	1	Or 0r 0r	C	2
new med order on dis Darge. To b	e			U			01 01 01 01		
ordered in section 2 not have							□ ¹ / ₁₂ Or		

Example of discrepancy (previous DTMR format)



MedRec processes and provincial forms

ocation: SHA YRH 3S S30	F	xamp)e		Age: DOB: Gender: F			N#:	d: Jan	9, 20	018
Allergies: No Known Drug	Allergy		Pat	ient A	ddress:					0, 20	
						Transfer					
Prescription - Discharge to Hon ommunity Pharmacists: For ref		Prescription -				Transfer				Extern	
1. Active Inpatient Media Review Mar(s) and order sh	cations	ct laining physicia	Medic	ation	ioner.		Also	add wri	criber	ty for nar	rcotics
Scheduled medications, followe		prior to discharge	sion hospital	ospital				П	Aluo e		
Medication	Dose / Route / Fi	requency	Same as prior to admission Adjusted in hosoital	New in hospital	Comments/F	Rationale	Continue	STOP	Quantity Discharge Only	Refills Discharge Only	No Rx
Scheduled Medications:							_				
ceFAZolin 1G (10mL) IV	20 minutes (incl	t IV over 3-5 ise IV over at least uding flush) OR - NORMAL TOTA	X		Last dose Jan 10/13 @	9 0500	$\left \right $		Dr Dr		
KETOROLAC INJ 30 mg/mE	30 MG (1 ML) IV DOSES (NO TIM ORDER PLEASE ACCORDINGLY) Sched: Every 8 I	E OR DATE ON ADJUST MAR	4		last Dose Jan 10/18 0	1300	1		Dr Dr	/	
PRN Medications:									1		
MORPhine INJ 10 mg/mL	2.5 TO 10 MG IV DOSES	Q4-6H PRN X 6		1				Y	1/12	5	1
RAMADOL/ACETAMINOPHEN ab 37.5/325 mg	1 TO 2 TAB PO (Q4-6H PRN		1			V		1/12	2	T
dimenhyDRINATE INJ 50 ng/mL	50 MG (1 ML) IV DOSES			1					11/12 Dr		
ledications Ordered After	Time of Print	ing:									
									∃1⁄12 ∂r		
					\frown				סי∕ ₁₂ א		
				L.	Ithorized Pro	action /		-			_
Reviewed by: Signat	ture	Title		_							
Date:	Time:			7		,	,				sign
Dete:)000 14(1)		TitleRN	F	IT	escriber #:	4/8	Time		OR	10	_
Date: Jan 11/1		020D	d contains	- PR		iders for narcouler is intend y return fax ar					-

Example of meds 'completed' after form is printed (previous DTMR format)



	/107-01				Ag DC Ge		yrs	MF	SN: RN#: Imitted:			
Allergies: penicillin [Rash Hives, severity:	/ Hives], ondansetron [Rash / Unknown]	1	Pat	ien	Addre	ess: F	PO BOX		-			
												_
Prescription - Discharge to Ho							Transfer Transfer	Orde	ers - Inter	st - Ex nal	ternal	
1. Active Inpatient Med	afills beyond what is listed below, ple	ase	cor	ntact	family p	hysiciar	/nurse pract	tion	er.			
in patient med	er order sheets for last 72hrs	м	edic. Stat	ation us				Als	Presci o add writter strolled subst	quantity	for narcot	tics
Scheduled medications, follow	red by PRN active prior to discharge	5	T	tal			-	and	gabapentin			
Medication	Dose / Route / Frequency	Same as prior t	Adjusted in hnential	New in hospital	Con	Iments / Indica	Rationale / tion	Continue	Quantity Discharge Only	Refills Discharge Only	No Rx Needed	-
Scheduled Medications:		100						1	0	ā		L
ROSUVASTATIN tab 20 mg (CRESTOR)	20 MG (1 TAB) PO HS Sched: 21:00	V						V	Or 1/12	2	ł	Г
METOPROLOL tab 50 mg	50 mg (1 TAB) PO BID Sched: 09:00, 21:00	V							Or 12	2		t
amLODIPine BESYLATE tab 5 mg	10 MG (2 TAB) PO DAILY Sched: 09:00	V						V	Qr 1/12	V		t
IRBESARTAN tab 150 mg (AVAPRO)	300 MG (2 TAB) PO DAILY Sched: 09:00	V						7	0r 0r	2		
ACETYLSALICYLIC ACID EC TAB 81 mg	81 mg (1 TAB) PO DAILY Sched: 09:00	~						V	0 ¹ /12	N		-
HYDROmorphone Immed Rel 2 mg	**HOLD WHIL ON IV MORPHINE* 2 MG (1 TAB) PO (WAS TID PRN)		~		Hold	, wh	ikon Monph		0r			~
HYDROmorphone Slow Rel 4.5	9 MG (2 CAP) PO BID Sched: 09:00, 21:00	V						1	0r /12	2151	(two)	
PANTOPRAZOLE SODIUM EC TAB 40 mg	40 mg (1 TAB) PO DAILY (PANTOLOC) BEFORE MEALS Sched: 08:00			~				1	6r 1/12	2		
PRN Medications:				-				L				
NITROGLYCERIN SL SPRAY 0.4MG/SPR(75 DOSE	0.4 MG SUBLINGUAL EVERY 5 MINUTES FOR 3 DOSES PRN FOR CHEST PAIN			v					□1/ ₁₂ or			1
DICLOFENAC GEL 4% (Sang)	APPLY TID PRN X 200000		_	V				1	Or 1/12	2	_	~
1.0	J			/ _A			1		#:	~		_
Completed by:									#			-
Date: JUNC !!	9 Time: (0428		_	E		4			~		(print	t)
eviewed by: Signat	u) Title			17	horic " ate:	21/4	TIP	1	SA	A.	(sign	1)
Date: June - 21) 18 Time: 1110 .		_	Par	escriber Ad		ders for narcotics,			~ 11	1 33	
NFIDENTIALITY NOTICE: The content	of the communication is confidential and o			-							the nd copie:	-

Example of a well completed DTMR form



MedRec on 'Transfer'

Is the movement of an acute care patient between two acute

care inpatient facilities (Ministry of Health definitions, 2017)

During the MedRec on transfer process, only one BPMH, taken using the PIP generated form, by the first acute facility, is collected during an acute inpatient episode. This BPMH is used for MedRec at all transfers between acute facilities during the episode (regardless of number) and at the final discharge to home, long-term care (LTC) or Supportive Care (from the Ministry of Health "Medrec at Discharge & Transfer in Acute Care FAQ's)



MedRec on 'Transfer' – Sending site External

	SK Discharge/Transfer Medication I Saskatchewan Health Authority Location:	Reconciliation	n Foi	m			Label	/Ad	Idres	s		
	Allergies:											
	Prescription - Discharge to Home	Prescription	- Disc	harg	e to	∟тс 🗆	Transfer I Transfer (
	Community Pharmacists: For refills beyond what 1. Active Inpatient Medications Review MAR and prescriber order sheets for		M	dica	tion	family physi	cian/nurse practi	Also	Prescril	wantity 1	or parceti	ics,
		arge	orto	Statu				and	rolled substar gabapentin	-	-	ine Co
-Co	omplete med statu	S	Same as pr	Adjusted	New In hos		ts / Rationale / dication	Continue	Quantity Discharge Only	Refills Discharge O	No Rx Needed	STO
co	lumns for 'same',		_					┢	□ 1/12 or □ 1/12			┡
'ar	ljusted' or 'new' by	, –	+	┢	\vdash			┢		┢		╞
	•	/							□ 1/12 or			
CO	mparing:		_	-					□ 1/12 or □ 1/12			L
• D	IP MedRec Form		+					┢		┢		┢
• F									□ V ₁₂ ∝			
•la	st 24-72 hrs of MARS	_	_	-				-	□ 1/12 or □ 1/12	-		╞
and	d Prescriber orders w	ith	+					╞	or U/12 or	┢		╞
	DTMR								□ 1/12 or			
the		tle			ľ	Authorized	l Prescriber:		#:_			_
^	ross off section 3										(prir	
- C	ross on section 5				-	Phone #:					(sig	n)
(N	ew meds to start	tle			ľ	Date: Prescriber Addres and gabapentin	is for orders for narcolic	s, contr	olled substan	ces, ben	zodlazepi	ines
	ter discharge, this						ormation. It is inten der by return fax a			ginals a	and copi	
	•									Page	of	_
se	ction is not used fo	r										

On '<u>transfer' to another</u> <u>acute</u> site, the form serves as a <u>'medication list'</u> that will be used by **the receiving site/physician** to review and write 'admitting orders' for the patient

Prescribers <u>DO NOT</u> complete any medication orders on the form for transfers 'out'



transfers)

MedRec on 'Transfer' - Receiving Site External

SK Discharge/Transfer Medication Reconciliation Form Saskatchewan Health Authority Location:	Label/Address	The form can be used to write the "admitting orders" on transfer as
Allergies:		receiving site
Community Pharmacists: For refills beyond what is listed below. 1. Active Inpatient Medications Review MAR and prescriber order sheets for last 72hrs	Admitting Orders	Forms will be marked as: "Admitting Orders"
Scheduled medications, followed by PRN active prior to discharge	Comments / Bationale / Continue Comments / Com	
Medication Dose / Roule / Prequency		"Receiving" Prescribers: complete 'Stop'
Receiving Site:		or 'Continue' columns only. Sign & date
compare all documents		as "Authorized Prescriber".
to ensure there are no		<u>CROSS OFF</u> the 'quantity', 'refill' & 'No Rx
discrepancies on the	or 2/12	Needed' columns, and the "New Meds to
discharge form to		Start after Discharge" (section 3) and
reconcile & sign the		Preprinted Order sets (PPO)
"reviewed by"		Sending & Receiving UNITS:
		Discrepancies will be reconciled and
Veted by: Signature Title	Authorized Prescriber: #:	documented with outcomes on the form.
Date: Time:	(prir	Form sent to Pharmacy
Reviewed by: Signature Title	Phone #: (sig	
Date: Time:	Prescriber Address for orders for narcotics, controlled substances, berizodiazep and gabapentin	Note that for both sending & receiving
CONFIDENTIALITY NOTICE: The content of the communication is confidential and contait patient's health care providers. If you have received this communication in error, imme of the misdirected communication.		prescribers, <u>New med orders</u> will be
Version: Paper.2.11	Page of	written on the Physician Order sheets.
		witten on the ritystan order sheets.

Regions are at various implementation stagescheck with your facility/region

Occurs at these points:

 ○Critical care unit → Ward
 ○ Operating room → Ward
 ○Psychiatry ↔ Ward



MedRec Compliance Audits

MedRec is audited and reported to the Ministry of Health monthly. The target is to complete MedRec at ≥ 90%.

Do your part & ensure patient safety!





MedRec compliance audits