

What is **Changed or New** for the RxFiles?

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







1. Chronological list of some chart changes
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7. Empa-Reg (Empagliflozin for CV benefit)
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<p>Aug 2018-Feb 2019</p>	<p>NEW guidelines: ADA'19 American Diabetes Guidelines AGA'18 Management of Opioid-Induced Constipation AHA'18 Cholesterol AHA'18 Resistant Hypertension ASH'18 VTE Guidelines Canadian C-Change Primary Care CVD Guidelines CCS'18 Atrial Fibrillation Chest'18 Atrial Fibrillation ESC'18 Guidelines for HTN, MI, A Fib.</p>	<p>◆ New CDN: Aimovig erenumab for migraine^{CGRP 0} Biktarvy for HIV Juluca for HIV Mezera for ulcerative colitis Monoferric- an IV iron Olumiant for arthritis Orilissa for endometriosis Probuphine- buprenorphine implant Soliqua, Steglujan & Xultophy: diabetes</p> <p>◆ New FDA: Dupixent for asthma Inbrija for Parkinson's</p>	<p>Aspirin primary prevention: limited usefulness (elderly Aspre, diabetes Ascend; Arrive)</p> <p>◆ Sask. SPDP some changes -Full: Kyleena, Tresiba -EDS: Brivlera, Dysport, Hemangirol, Lancora, Ocaliva, Praluent, Procsybi, Quinsair, Synjardy</p> <p>◆ new NIHB: -Full: Bianca, Kyleena, Odefsey, Tresiba, Trileptal & Zomig spray -EDS: Androderm, Androgel, Renvela, Taltz & Testim (plus 11 MS drugs)</p> <p>◆ new generics: Aggrenox, Atripla, fosfomycin, HP-PAC, Hydromorph Contin, Levitra, Mavik, methimazole, Vimpat & Volibris</p> <p>◆ ↓ cost: cephalixin, dapsone, lacosamide, Maviret, midodrine, MS Contin generic, Nasonex & quetiapine XR</p> <p>◆ ↑ cost: dicyclomine</p>
<p>Jun-Jul 2018</p>	<p>NEW guidelines: ANN'18 Multiple Sclerosis- Disease Modifying tx AUA'18 Erectile Dysfunction CANMAT'18 Canadian Bipolar Disorder CASL'18 Chronic Hepatitis C Management</p>	<p>◆ New CDN: Ceftobiprole a cephalosporin Contrave for weight loss, Faserra for eosinophilic asthma, Movapo for Parkinson's, Siliq for psoriasis, Suboxone 12/3 & 16/4mg SL tabs Trelegy ^{Ellipta} triple therapy for COPD Viibryd for depression</p> <p>◆ New FDA: Aimovig erenumab for migraine^{CGRP 0} Andexxa Factor Xa antidote EPIDIOLEX for seizures Invexxy for dyspareunia Lucemyra for opiate withdrawal Olumiant for arthritis Retacrit generic epoetin biosimilar</p>	<p>Clopidogrel & ASA x3mon better than ASA for TIA ^{5 vs 6.5%}, but ↑ major bleeding ^{0.9 vs 0.4%} . Point</p> <p>Budesonide-formoterol combo as need vs regular dosing in mild asthma- ↓ asthma exacerbations & ICS exposure, improves lung fx, but ↑ sx's. SYGMA 1 & 2</p> <p>◆ new generics: Abilify, Champix, Coversyl Plus, Inspra, Macrobid, Mavik, Tamiflu, Vimovo, Zeldox</p> <p>◆ Methadone no longer needs a special prescribing license</p> <p>◆ Dolutegravir may have increase neural tube defects during first trimester use</p> <p>◆ Sask. SPDP some changes -Full Formulary: Celecoxib, clopidogrel & olanzapine -EDS: Axert (for migraine ≥ 12yrs), Botox (for urinary incontinence), Glatech (glatiramer), Mictoryl Pediatric, Nucala, Odefsey Repatha, & Stelara</p> <p>◆ new NIHB: -Full: Adderall, Basaglar, Ditropan XL, Mictoryl Pediatric -EDS: Adempas, Afinitor, Bosulif, Erelzi, Esbriet, Ibrance, Imbruvica, Inlyta, Invega Trinza, Jakavi, Nucala, Repatha, Stivarga, Tassigna, Upravi, Vosevi & Xalkori.</p>
<p>Feb-May 2018</p>	<p>NEW guidelines: ACG'18 Crohn's disease in Adults ACIP'18 Adult & Child Vaccine Recommendations ACP'18 A1C^{targets} for Nonpregnant adult Type 2 diabetes AHA/ASA'18 Acute Ischemic Stroke APA'18 Alcohol Use Disorder ASCO'17 Antiemetics Guideline CADDRA'18 Canadian ADHD 4th Edition Guide Diabetes Canada Diabetes Guidelines'18 Endocrine Soc'18: Testosterone tx-male Hypogonadism Hypertension Canada'18 Adult/Children & Pregnancy KDIGO'17 Chronic Kidney Disease-Mineral & Bone Dx</p>	<p>◆ New CDN: Addyi for female sexual desire Adylxine for diabetes Akynzeo for nausea Mavenclad for multiple sclerosis Ozanex for impetigo Ozempic for diabetes Syntuzza for HIV Trumenba for meningitis Xiidra for dry eyes</p> <p>◆ New FDA: Biktarvy for HIV</p>	<p>◆ Sask. SPDP some changes -Full: Benzotropine 1mg, Ciclopirox & Methotrexate SC inj; -EDS: Erelzi (generic Enbrel), Invega Trinza, Ravicti, Taltz, Upravi & Vosevi.</p> <p>◆ new NIHB: -Full: Enstilar, Entocort 3mg, magnesium oxide 835mg & methotrexate SC inj; -EDS: Entyvio, Rotigotine, Tantum, tenofovir & Xigduo.</p> <p>◆ Odyssey ACC'18: Alirocumab over 2.8yrs in ACS pts ↓all-cause death: 4.1 to 3.5%</p> <p>◆ Cares: Allopurinol or febuxostat in gout+CVD pts: ↑all-cause death with febuxostat</p> <p>◆ Impact: Trelegy in COPD had ↓exacerbations but ↑ pneumonia, many on previous ICS vs (Breo or Anoro)</p> <p>◆ new generics: budesonide nebs, Coversyl Plus, hydralazine, perindopril, Suboxone & ziprasidone. (Lower Pan-Canadian prices: amlodipine, metformin, rabeprazole, rosuvastatin...)</p>
<p>Jan 2018</p>	<p>◆ NEW guidelines: ACC/AHA'17 Hypertension in Adults ACC'17 Manage Bleeding on Oral Anticoagulants</p>	<p>◆ New CDN: Entuzity insulin for diabetes Foquest for ADHD</p>	<p>◆ Sask. SPDP some changes -Full: Basaglar, Enstilar, Humalog Kwipen 200 IU/mL, M-Ediat IR & Truvada</p>

	<p>ADA'18 American Diabetes Guidelines CCS'18 Antiplatelet Therapy Focused Update CTS'17 COPD Pharmacotherapy SOGC '18 Overactive Bladder Pharmacotherapy USPSTF'17 HRT Primary Prevention-Chronic Conditions VA/DoD'17 American Type 2 Diabetes</p>	<p>Glatect for multiple sclerosis Tremfya for plaque psoriasis</p> <p>◆ New FDA: Admelog insulin for diabetes Juluca for HIV Ozempic for diabetes (semaglutide) Steglatro for diabetes (ertugliflozin)</p>	<p>◆ Tardis: triple antiplatelet therapy (ASA+clopidogrel+dipyridamole) NS vs standard (clopidogrel or ASA+dipyridamole) for stroke, but had ↑ major bleeding ◆ VERO: ↓ fractures with teriparatide vs risedronate in severe PMO osteoporosis</p> <p>◆ new generics: metformin ER, desvenlafaxine</p>
June-Dec 2017	<p>◆ NEW guidelines: AACE'17 for menopause ACC'17 for Non-statin LDL lowering ACC'17 for Syncope ACC'17 for Heart Failure Update ACG / CAG Management of Dyspepsia ACR'17 Osteoporosis-Glucocorticoid Induced ACR'17 Perioperative Management of DMARDs Canadian Schizophrenia Guidelines 2017 CCS'17 Canadian Heart Failure Drugs in Pregnancy & Lactation Eleventh Edition 2017 ESC'17 Guidelines for DAPT, PAD & MI.</p>	<p>◆ New CDN: Duavive for vasomotor HRT Erelzi is biosimilar etanercept Maviret & Vosevi for hepatitis C Ocrevus for multiple sclerosis Shingrix for shingles vaccine Tresbia is insulin degludec Viberzi for IBS-D Vemlidy for hepatitis b</p> <p>◆ New FDA: Bevyxxa for VTE prophylaxis Mavret & Vosevi for hepatitis C Trelegy^{Ellipta} triple therapy for COPD</p> <p>◆ ↑ cost: Dipentum & Zaditen ◆ ↓ cost: flecainide, gliclazide, Truvada</p>	<p>◆ Sask. SPDP some changes -Full: Cyklokapron, Monurol, Proglycem, Synthroid 137mcg & TactuPump Forte -EDS: Brenzys, Campral, Grastofil, Fentanyl 37ug patch, Genvoya, Jadenu, Neupro, Revia, Salagen, Rilutek & Xigduo</p> <p>◆ new NIHB: -Full: Abilify Maintena, Aptivus, Arnuity, Celebrex, Celsentri, Intelence, Isentress, Revia, Triumeq & Zeldox -EDS: Breo Ellipta, Daklinza, Dicletel, Entresto, Epclusa, Foxiga, Inspra, Jentaduetto, Modulon, Myrbetriq, Prevacid Fastab, Strattera, Viread, & Zepatier</p> <p>◆ Canvas: canagliflozin ↓CV events, but ↑ amputations (ie. toe or metatarsal) ◆ RE-DUAL PCI: dabigatran & clopidogrel- ↓bleed vs triple therapy with warfarin ◆ Compass: Rivaroxaban 2.5mg bid + ASA ↓CV but ↑ bleeding in 2^o CAD prevention ◆ Exscl: Exenatide 2mg SC weekly had non-significant CV benefit vs placebo ◆ new generics: Atripla, Avandia, caspofungin, clonidine, deferasirox, Diclectin, Enbrel (with Brenzys), hydralazine, phenytoin, Sporanox, Truvada & Viread</p>
Apr-May 2017	<p>◆ NEW guidelines: ACP'17 Low Back Pain ACP'17 Osteoporosis Guidelines ACP & AAFP'17 Hypertension for Adults ≥ 60yrs AHA'17 Management of Valvular Heart Disease CHEP'17: Canadian Hypertension Guidelines CDN'17 Opioid Therapy & Chronic Noncancer Pain CUA'17 Adult Overactive Bladder SOGC'17 Combined Hormonal Contraception</p>	<p>◆ New CDN: Cinqair for asthma, Enstilar for psoriasis, FIAST for diabetes (rapid insulin), Glyxambi for diabetes, Lancora for heart failure, Mictoryl for urinary incontinence, Odefsey for HIV, & Rexulti for schizophrenia.</p> <p>◆ new generics: Cellcept, Exelon patch, Olmetec, Omnaris, Reyataz & Sinemet IR.</p> <p>◆ New FDA: Ocrevus for MS (RRMS & PPMS)</p> <p>◆ ↑ cost: cabergoline</p>	<p>◆ Sask. SPDP some changes -EDS: Acyclovir susp, Entresto, Entyvio, Plegridy & for hepatitis (Daklinza, Epclusa, Sunvepra & Zepatier),</p> <p>◆ Einstein-Choice: extended rivaroxaban better than ASA at ↓ recurrent VTE events ◆ Fourier: evolocumab PCSK9 antibody ↓CV events 11.3 vs 9.8% over 2.2yr, not mortality ◆ Topic: after 1month of DAPT in ACS with ticagrelor or prasugrel, & ASA, switch to clopidogrel ↓bleed ◆ Trinity: Triple COPD tx (beclomethasone, formoterol & glycopyrronium) > tiotropium ◆ Trust: levothyroxine no apparent benefit, older pts with subclinical hypothyroidism ◆ TT trials: testosterone improves hemoglobin & BMD, but ↑ total CV plaque ◆ ↓cost: amlodpine, atazanavir, atorvastatin, cholestyramine, clopidogrel, Epclusa, fluoxetine liquid, gliclazide MR, indomethacin, modafinil, olmesartan, pantoprazole, ramipril, rosiglitazone, simvastatin, Sunvepra & Zepatier.</p>
Jul 2016- Mar 2017	<p>◆ NEW guidelines: AASLD'16 American Chronic Hepatitis B ACG'17 H. pylori ACP '16 Gout ACP'16 Insomnia ACP'17 Back Pain ADA 2017: Diabetes AHA'16 Drugs that Exacerbate Heart Failure AHA'16 Drugs that Interact with Statins AAN'16: Restless Leg Syndrome ATA'16 American Hyperthyroid Canadian Opioid DRAFT Guideline 2017 CANMAT'16 Canadian Major Depression CCS'16 Atrial Fibrillation Update CCS'16 Canadian Dyslipidemia Gold: COPD 2017 Guidelines H. Pylori Toronto Consensus 2016 IAS-USA'16 Adult HIV</p>	<p>◆ New CDN: Blexten & Rupall an antihistamine, Brenzys (etanercept) for RA, Brivlera for epilepsy, Descovy- HIV, Copaxone for 3x per week dosing, Epclusa & Sunvepra for hepatitis C, Invega Trinza for schizophrenia, Invokamet for diabetes, Kevzara for rheumatoid arthritis, Lixiana (edoxaban) for a fib/PE, Natesto for andropause, Praluent for cholesterol, Stelara for Crohn's disease, Synjardy for diabetes, Taltz for plaque psoriasis, Viberzi for IBS, Zinbryta for multiple sclerosis.</p> <p>◆ new generics & ↓cost: Baraclude,</p>	<p>◆ Sask. SPDP some changes -Full: Arnuity Ellipta, Backup Plan Onestep & Plan B, Tecta -EDS: Cosentyx, Forxiga, Ofev, Simponi IV, Xolair, Zaxine</p> <p>◆ new NIHB: -Full: alendronate, ezetimibe, Fosavance, levetiracetam, risedronate, solifenacin & tolterodine LA, -EDS: Actemra, Aptiom, Breo & Incrusa Ellipta, Cosentyx, Dapagliflozin, Duaklir Genuair, Inflectra, Inspiolto & Spiriva Respiamat. Jardiance, Orenzia, Xeljanz.</p> <p>◆ LEADER: Liraglutide vs placebo in T2DM-↓CV events & weight, but ↑ GI events ◆ PEGASUS-TIMI 54: Ticagrelor vs placebo with prior MI-↓CV events but ↑ bleed ◆ PRECISION: celecoxib was non-inferior to naproxen & ibuprofen for CV safety ◆ PIONEER AF-PCI: rivaroxaban ≤15mg OD + clopidogrel <u>or</u> riva 2.5mg bid + DAPT, had ↓bleeding than warfarin + DAPT (triple therapy) tx</p>

	NACI'16: Prevnar for ≥ 65yrs SOGC'16: Nausea & Vomiting in Pregnancy	Bezalip, Fosavance, Inflectra, levetiracetam, Meltz, Micronor, Nasacort, Nasonex, Omnairs, quetiapine, rasagiline, Seasonale, Sensipar & Tamiflu. ◆ ↑ cost: Anafranil, Aventyl. ◆ New FDA: Relistor orally, Stelara for Crohn's	
Mar 2016- Jun 2016	◆ NEW guidelines: American JAAD'16 Acne guideline American ACC'16 Role of Non-Statin tx in CVD Risk American ACC/AHA'16 Update: Heart Failure American APA'16 Antipsychotics: agitation with Dementia American AACE/ACE'16 Obesity Medical Care Canadian Hypertension: CHEP'16 Canadian CDA'16 Diabetes Update: Flozins etc. CDC'16 Prescribing Opioids for Chronic Pain Chest'16 VTE guideline-DOAC's option USPSTF'16 ASA Primary Prevention CVD/Cancer	◆ New CDN: Bydureon for diabetes, Lunesta for sleeping, Praxbind for reversing dabigatran, Trulicity & Xiguo for diabetes, Zerbaxa for infection. ◆ new generics & ↓cost: abacavir, alfuzosin, Clindoxyl, duloxetine, efavirenz, Estrace, Kivexa & Valcyte. ◆ New FDA: Descovy & Odefsey for HIV. Nuplazid for psychosis with Parkinsons Zinbryta for MS	◆ Sask. SPDP some changes -EDS: For COPD: Duaklir ^{Genuair} , Incruse ^{Ellipta} , Inspiolto ^{Respimat} & Spiriva ^{Respimat} , Actemra ^{SC} , Fibrilast, Inflectra, Jardiance, Lemtrada, Prezcobix, Vyvanse ^{10mg} & Xeljanz. ◆ new NIHB: -Full: Climara Pro, Isosrbid mononitrate, moxifloxacin & Plan B. -EDS: Diastat, Fosrenol, Invokana & Pennsaid. ◆ FLAME: LAMA+LABA ^{Ultibro} less AECOPD than LABA+ICS ^{Advair} in COPD ◆ IRIS: Pioglitazone post TIA/stroke (↓stroke/diabetes but ↑weight/edema/fractures) ◆ Socrates: Ticagrelor in acute ischemic stroke/TIA: not superior to ASA to ↓stroke ◆ Summit: Fluticasone + vilanterol in high CV risk COPD pts, did not ↓mortality ◆ Over the Counter ^{OTC} – Advil 12hr, Flonase & Nexium
Jun 2015- Feb-2016	◆ NEW guidelines: ACIP'16 USA Adult & Pediatric Vaccine Guides ACOG'15 Emergency Contraception ACOG'15 Nausea and Vomiting of Pregnancy American Diabetes Association Update 2016 American Geriatrics Society 2015 Beers Update American ACR'15: Rheumatoid Arthritis American –ASBMR'16-Bisphosphonates long term ATA'15 Thyroid Nodules CDN'15 Acne Guidelines CDN'15 Guide for Primary Care Mgt of Headache CDN'15 CMHF Testosterone Deficiency Syndrome ♂ CTS'15 Asthma in Preschoolers IDSA: Management of Candidiasis Update 2016 SOGC'15: Folic acid SOGC'15: Contraception ◆ ↑cost: tizanidine	◆ New CDN: Arnuity Ellipta for asthma, Basaglar insulin for diabetes, Entyvio for ulcerative colitis, Daklinza for hepatitis C, Duaklir & Inspiolto for COPD, Ella for emergency contraception, Entresto for heart failure, Fetzima for depression, Genvoya for HIV, Movantik for constipation, Nucala for asthma, Plegridy for multiple sclerosis, Repatha for cholesterol TactuoPump Forte for acne, Vibativ for pneumonia, Zepatier for hepatitis C. ◆ New FDA: Addyi for female sexual dysfx; Genvoya for HIV, Nucala for asthma, Praluent & Repatha for lipids.	◆ Sask. SPDP some changes -EDS: Abilify Maintena for Schizophrenia, Anoro Ellipta for COPD, Aptiom for seizures, Diacomit for seizures, Eliquis for PE/DVT, Holkira Pak for hepatitis C, Inspra for heart failure, Invokana for diabetes, Latuda for Schizophrenia, Myrbetriq for overactive bladder, Tivicay & Triumeq for HIV & Ultibro Breezhaler for COPD. -Full: Androcur, Clavulin, colesevelam susp, gabapentin 600 & 800mg tabs, midodrine, minocycline, Prevacid DR, Simbrinza & zuclopenthixol. ◆ new NIHB: -Full: Alphagan P, Buspar, Cipro ^{susp} , Cytomel, Edarbi, Fibrilast, LoLo, Mona Lisa ^{IUD} , Prezcobix -EDS: Abilify ^{Maintena} , Anoro ^{Ellipta} , Fosfomycin, Harvoni, Latuda, Toviaz, Ultibro ^{Breezhaler} ◆ SPRINT: Intensive BP <120 vs Standard BP <140; beneficial but ↑ adverse effects ◆ EMPA-REG: Empagliflozin in diabetes pts ↓ CV events & mortality ◆ new generics &/or ↓cost: alendronate, alfuzosin, Azilect, cefixime, Cellcept, ciprofloxacin, Clindoxyl, Detrol LA, dextroamphetamine, donepezil, dronabinol, Duotrav, efavirnez, esomeprazole, ezetimibe, gabapentin, hydroxychloroquine, moxifloxacin, olanzapine, Prometrium, quetiapine, rasagiline, solifenacin, tadalafil, Tecta, tolterodine ER, Trizivir, valacyclovir & zolpidem.
Mar-May 2015	◆ NEW guidelines: AHA/ACC/ASH'15 Hypertension Tx with CAD SOGC'15: Vulvovaginitis	◆ New CDN: Dymista for rhinitis, Exelon 15mg patch for Alzheimer's, Simbrinza for glaucoma. ◆ new generics & ↓cost: Clindamycin, donepezil, fluconazole, losartan, pregabalin, topiramate, zolmitriptan	◆ Sask. SPDP some changes -EDS: Breo Ellipta for COPD, Harvoni & Sovaldi for HCV, Orenia SC for RA. ◆ new NIHB: -Full: Aggrenox, Alendronate, BenzaClin, Benzamycin, Clindoxyl, Clopixol, Combivent Respimat, Divigel, Ferrlecit, Jaydess, Tivicay, Vigamox, Viramune XR & Zymar. -EDS: Brillinta ^{for ACS} , Galexos, Kadian Komboglyze, Sovaldi, Turdorza & Vit E.
Dec- Feb 2015	◆ NEW guidelines: ACIP'15 USA Adult & Pediatric Vaccine Guides ADA'15 Diabetes (Target Diastolic BP 90mm Hg) AGA'14 Irritable Bowel Syndrome AHA'14 Primary Stroke Prevention AHS'15 American Acute Adult Migraine Treatment	◆ New FDA: Auryxia for ↑ phosphate, Gardasil 9 for HPV, Rapivab IV for influenza, Saxenda for weight loss. ◆ New CDN: Dovobet Gel –psoriasis, Forxiga for diabetes,	◆ Sask. SPDP some changes -Full: carvedilol, Combivent Respimat, escitalopram, Jaydess -EDS: Difucid, Komboglyze ◆ new generics: cefixime, celecoxib, Suboxone, valganciclovir ◆ Paradigm-HF trial: valsartan + sacubitril better than enalapril in heart failure ◆ Improve-IT ACS trial: ezetimibe + simva slightly better than simvastatin alone

	<p>Canadian CIHR Hepatitis & HIV Coinfected Canadian CASL'15 Chronic Hepatitis C Canadian CCS'14 Heart Failure Focus Update Canadian CTFPHC'15 Obesity in Adults Drugs in Pregnancy & Lactation Tenth Edition Endocrine Society'15 Obesity Guidelines Gold'15 COPD Guidelines OTO-HNS'15 Allergic Rhinitis Guidelines</p>	<p>Gardasil 9 –for HPV, Holkira for hepatitis C, Kazano & Nesina for diabetes, Spiriva Respimat for COPD, Triumeq for HIV.</p>	<ul style="list-style-type: none"> ◆ Updated Stopp/Start Criteria Version 2 ◆ Risperdone only indicated for Alzheimer's type BPSD ◆ new lower Pan-Canadian pricing for: -clopidogrel, gabapentin, metformin, & olanzapine 	
Oct-Nov 2014	<ul style="list-style-type: none"> ◆ NEW guidelines: AHA'14 NSTE-ACS, AUA Overactive Bladder, CCS 2014 Atrial Fibrillation Focused Update, SOGC Managing Menopause 	<ul style="list-style-type: none"> ◆ New FDA: Contrave for weight loss, Dulaglutide for diabetes, Olodaterol for COPD ◆ dopamine receptor agonists: associated with impulse control disorders with tx of Parkinson's dx ◆ Paradigm-HF: sacubitril & valsartan ↓ mortality in heart failure ◆ DAPT: 30 vs 12 months of ASA + clopidogrel + DES ↓ CV event but ↑ bleed 	<ul style="list-style-type: none"> ◆ Sask. SPDP some changes -EDS: Aubagio, Fosrenol, Galexos, Tudorza Genuair ◆ new NIHB: -Full Lodalis for lipids, Nyda for lice. -EDS: Invega Sustena for schizo, Risperdal Consta for schizo, Xgeva if skeletal events with prostate cancer. ◆ Wisdom: slow withdrawal of inhaled corticosteroids in COPD was safe 	<ul style="list-style-type: none"> ◆ new generics: Biaxin XL, celecoxib, escitalopram ezetimibe, frovatriptan, linezolid, Lipidil EZ, travoprost ◆ Diclofenac lower max of 100mg/day: since ↑ CV risk with this NSAID ◆ OTC soon: hydrocortisone 1% topical ◆ New CDN: Aptiom for seizures, Fentora for pain, Harvoni: hepatitis C, Nodurna for urinary incontinence, Prezobix for HIV, Zostavax II.
Jul-Sept 2014	<ul style="list-style-type: none"> ◆ NEW guidelines: ACG'14 IBS & Chronic idiopathic constipation ADA'14 Pediatric A1C targets: <7.5% for <18yrs CDN'14 Management: Anxiety, PTSD & OCD CDN Hypertensive Disorders of Pregnancy (HDP) 	<ul style="list-style-type: none"> ◆ New CDN: Jaydess & LoLo for birth control, Nimenrix for meningitis serotype A,C,W & Y. Ultibro Breezhaler for COPD 	<ul style="list-style-type: none"> ◆ Sask. SPDP some changes Full: Apidra, Humalog, Lodalis, Pantoprazole EDS: Janumet XR, Perampnel ◆ Varenicline x52wk helped abstinence: Evins 	<ul style="list-style-type: none"> ◆ new generics: adefovir, clarithromycin susp, Combivir, dutasteride, Myfortic, Pennsaid & zoledronic acid ◆ PD Med trial: levodopa initially best ◆ OTC soon: omeprazole & Nasocort
May-Jun 2014	<ul style="list-style-type: none"> ◆ New CDN: Abilify Maintena for schizophrenia, Actemra SC & Xeljanz oral for rheumatoid arthritis; Constella for IBS, Invokana for diabetes. ◆ NACI update: pneumococcal vaccine in asthmatics ◆ Lithium: ↑ calcium level warning 	<ul style="list-style-type: none"> ◆ new NIHB: -Full: Arava, Cymbalta, Humalog Mix, Mezavant, Plavix x 1yr, Seasonale, Seasonique, Seroquel XR, Vyvanse, & Xalacom. 	<ul style="list-style-type: none"> ◆ new NIHB: -EDS: Eliquis for AF, Janumet XR for diabetes Saphris for BPAD, Seebri Breezhaler for COPD & Zenhale for asthma. ◆ Topcat : spironolactone NS HF-PEF ◆ ↑ price: Valtrex since generic removed 	<ul style="list-style-type: none"> ◆ new generics: almotriptan, Elocom cream, efavirenz, Fosavance, mercaptopurine, Risperdal ODT, Sinemet CR, Wellbutrin XL, vancomycin, voriconazole & Yaz. ◆ RLS: pregabalin restless leg Sx option ◆ Poise-2: ASA & clonidine NS pre-op
Feb-Apr 2014	<ul style="list-style-type: none"> ◆ NEW guidelines: ACIP'14 USA Adult & Child Vaccine Schedule AHA/ACC/HRS'14: Atrial Fibrillation CIHR'13 Canadian Hepatitis C/HIV Adult Coinfection 	<ul style="list-style-type: none"> ◆ Lower price: metformin, pioglitazone ◆ New CDN: Aubagio for MS, Anoro Ellipta for COPD, Bexsero for meningitis serotype B, Tybost & Vitekta for HIV 	<ul style="list-style-type: none"> ◆ Sask. SPDP some changes Full: Flucanazole, Tactuo EDS: Jentadueto, Tecfidera ◆ Remeron reports of ↑ QT 	<ul style="list-style-type: none"> ◆ new generics: Arthrotek, Cipro XL, Elocom lotion, entecavir, Nasonex, Risperdal M-tab, Uniphyl ◆ CitAD: citalopram ↓ agitation in AD, but ↑ QT & worsened cognition
Nov-Jan 2014	<ul style="list-style-type: none"> ◆ NEW guidelines: ACOG: HRT & Heart Dx ADA'14 (Diabetes) AHA'13 Lipid Guideline AHA'13 Obesity Guide ASH/ISH BP Guide Canadian MS Guide Canadian Society Nephrology Anemia Guideline Canadian HTN: CHEP'14 JNC 8: Hypertension 	<ul style="list-style-type: none"> ◆ Lower prices: quetiapine XR, rizatriptan, testosterone undecanoate ◆ New CDN: Emtrix- onychomycosis, Guanfacine Intuniv XR for ADHD, Rifaximin Zaxine-encephalopathy hepatic Simeprevir Galexos, Sofosbuvir Sovaldi.hep C 	<ul style="list-style-type: none"> ◆ Sask. SPDP some changes EDS: Biphentin, Cimzia, Eliquis & Stribild ◆ Placide: probiotics not help AAD or C. difficile in older adults 	<ul style="list-style-type: none"> ◆ Sammpris Collaboration: medical tx better than stenting for intracranial stenosis ◆ DI: nifedipine + clarithromycin ⇒ AKI ◆ new generic: Actonel 150mg, atomoxetine, bupropion XL, donepezil, Fosavance, Relpax, Yasmin
July-Oct 2013	<ul style="list-style-type: none"> ◆ NEW guidelines: AAP'13 Pediatric Sinusitis WHO'13: HIV AAP 2013: Drugs into Human Breast Milk/Lactation ◆ PAACT: new antibiotic orange book released ◆ FDA black box warnings: red shading ◆ Calcitonin nasal discontinued due to cancer concern ◆ Rivaroxaban: EDS^{SK} for acute DVT ◆ Savor-Timi 53: Saxagliptin: CV outcomes^{NS}; ↑ HF hosp. 	<ul style="list-style-type: none"> ◆ Lower prices: amlodipine, atorvastatin, omeprazole, pregabalin, rabeprazole, ramipril, venlafaxine ◆ Higher prices: cabergoline, natalizumab, zidovudine ◆ Double dose Tamiflu no more effect ◆ Ketoconazole: adrenal & liver warnings ◆ Metoclopramide ok in pregnancy ◆ NSAID lactation ratings updated 	<ul style="list-style-type: none"> ◆ Sask. SPDP some changes Full: Cymbalta, Epuris, Jumista, Losec 20mg, Lyrica, Pariet EDS: Divigel, Ezetrol, Januvia 25 & 50mg, Onbrez, Seebri Breezhaler, Zofran ODT. ◆ New in CDN: Breo Ellipta, Emtrix, Jublia, Fycompa, Intuniv, Tecfidera, Tudorza ◆ COPD: 5day ≈ 14day po prednisone^{Reduce} 	<ul style="list-style-type: none"> ◆ new NIHB: Full: Asmanex, Ciprallex, Magic bullet, & Ondissolve. ◆ EDS: Banzel, Cimzia, Lyrica, Onbrez, Trajenta & Vimpat. ◆ Removed: Demerol ◆ CNT Collaboration: naproxen low CV risk ◆ Addition to book: Estrogel Propak ◆ new generics: Accupril, Axert, Lescol, Sustiva, Xalacom
Mar-Jun 2013	<ul style="list-style-type: none"> ◆ NEW guidelines: ACG'13: GERD Guidelines ◆ AHA Heart Failure'13 CCS'12 Heart Failure Guideline Update CCS'12 Dyslipidemia Guideline Update CDA'13 Diabetes Guideline: frail, ASA, pregnancy Δ's 	<ul style="list-style-type: none"> ◆ A few new additions to the book: Axiron (testosterone) underarm soln Bystolic (nebivolol) new beta-blocker Myrbetriq (mirabegron) for OAB Neupro (rotigotine) for Parkinson's 	<ul style="list-style-type: none"> ◆ Sask. SPDP changes Full: Asmanex Twisthaler EDS: Asenapine for BPAD, Toviaz for OAB, Vyvanse for ADHD, Zenhale for Asthma 	<ul style="list-style-type: none"> ◆ ↓ cost/new generics: Caduet, eletriptan, fluvastatin, malarone, pregabalin ◆ New Formulations: Hydromorph Contin 4.5mg Prevista 150mg tab

	<p>CHEP'13: ISH elderly >80yr ⇒ SBP <150mm Hg</p> <ul style="list-style-type: none"> ◆ Reflux trial: surgery or PPI's good GERD options ◆ Bruise Control trial: warfarin continuation better than heparin bridging before ICD/pacemaker surgery 	<p>Olux-E foam (clobetasol propionate) steroid</p> <p>Silenor (doxepin) for insomnia</p> <p>Stribild (a quad pill daily) for HIV</p> <p>Tecfidera (dimethyl fumarate) for MS</p>	<ul style="list-style-type: none"> ◆ new NIHB: -EDS: dabigatran, nabilone, rivaroxaban, saxagliptin -Removed: Ketorolac, OxyNeo 	<ul style="list-style-type: none"> ◆ Mononucleosis study: amoxicillin rash only occurred in 30% of the pts ◆ FDA approved: Canagliflozin for diabetes, Vilanterol/fluticasone: COPD
Dec-Feb 2013	<ul style="list-style-type: none"> ◆ NEW guidelines: ADA 2013 Diabetes: SBP <140 mmHg rather than 130 AHA'13 Stable Ischemic Heart Disease (SIHD) AHA'13 STEMI Management ◆ CANMAT:BPAD ◆ Freedom: CABG superior to PCI in diabetics ◆ Aspire & WarfASA: low dose ASA ↓'s recurrent VTE ◆ HPS2-Thrive: niacin/laropiprant did not reach 1⁰ outcome ◆ Keeps/Dops: HRT in young reassuring but under powered 	<ul style="list-style-type: none"> ◆ FDA approved & book additions: Aubagio (teriflunomide) for MS Fycompa (perampanel) for seizures Linzess (linaclotide) for IBS Potiga (ezogabine) for seizures Seebri (glycopyrronium) COPD^{Canada} Tudorza (aclidinium) for COPD Xeljanz (tofacitinib) for RA 	<ul style="list-style-type: none"> ◆ Sask. SPDP EDS: Saphris for BPAD Toviaz for urinary incontinence ◆ new NIHB: -Full: Concerta, Evra, Levemir, Nuvaring, Twynsta -EDS: Atripla, inj opiates, Intellec -Removed: Tylenol #4, Ritalin Brand only 	<ul style="list-style-type: none"> ◆ ↓cost: rivaroxaban, sildenafil ◆ New Formulations: Januvia 25 & 50mg tabs Sublinox 5mg tab (lower dose in women) ◆ Apixaban: Health Canada AF approved ◆ Echinacea not for <12yrs in Britian ◆ Deet/icaridin: changes ^{Public Health: Canada}
Sep-Nov 2012	<ul style="list-style-type: none"> ◆ NEW guidelines: AASM Restless Leg AHA & ESC A. Fib CDN Fibromyalgia Endocrine Society: Thyroid in Pregnancy/Postpartum HIV: IAS-USA Adult Anemia CKD: KDIGO ACR Gout AACE/ATA Hypothyroid ESC Acute MI NACI: Influenza 2012-13 	<ul style="list-style-type: none"> ◆ A few new additions to the book: Copper IUD Divigel (estradiol gel) for HRT Latuda (lurasidone) for schizophrenia Stribild (a quad pill daily) for HIV ◆ CDC'12: not cefixime for gonorrhea 	<ul style="list-style-type: none"> ◆ new Sask. SPDP changes: EDS: Xarelto for A. Fib ◆ Miactalcin: ? long term cancer risk ^{EU} ◆ ICS: ↓growth ~1cm long term ^{CAMP} ◆ Clopidogrel ≈ prasugrel ^{Trilogy ACS} ◆ Ondansetron: max 16mg due to ↑QT 	<ul style="list-style-type: none"> ◆ generics ↓cost: Atacand Plus, Zidovudine ◆ GuidAge: ginkgo not help Alzheimer's ◆ Milk thistle: not help hepatitis C ◆ SPS3: ASA + Clopidogrel combo not better than ASA only for lacunar strokes
Jun-Aug 2012	<ul style="list-style-type: none"> ◆ 10 NEW charts: Diabetes Overview Elderly/LTC Pain: Acute/Pall/CNCP Palliative Care Canadian PSC 2012 Parkinson's Canadian Thoracic Society 2012 Asthma American-AAN/AHS Migraine Prevention A Fibrillation Diabetes Trials: Lipids/ASA/BP Hepatitis B & C Hirsutism Peri-Pregnancy Anticholinergics 	<ul style="list-style-type: none"> ◆ A few new additions to the book: Belviq (lorcaserin) for weight loss Dificid (fidaxomicin) – C.diff diarrhea Myrbetriq (mirabegron) – incontinence Omontys (peginesatide) for anemia^{CKD} Resotran (prucalopride) – constipation Stendra (avanafil) for erectile dysfunx Toviaz (fesoterodine) – incontinence Zioptan (tafluprost) for glaucoma 	<ul style="list-style-type: none"> ◆ new Sask. SPDP changes: -EDS: Aclasta, Actonel DR, Banzel Complera, Linagliptin, Rilpivirine, Saxagliptin 2.5mg ◆ new NIHB: -Full: Wellbutrin XL, Yaz -EDS: Januvia, Janumet 	<ul style="list-style-type: none"> ◆ generics ↓cost: Combivir, lamivudine, meropenem, rizatriptan ◆ ↓cost: entacapone, galantamine, raloxifene ◆ Warfasa: aspirin (100mg od) ↓ recurrent VTE & ↔ bleeding risk vs placebo
Mar-May 2012	<ul style="list-style-type: none"> ◆ NEW guidelines ADA 2012 Diabetes American-ACR 2012 Rheumatoid Arthritis Canadian CHEP 2012 Hypertension Chest 2012 Antithrombotics IDSA 2012 Sinusitis 	<ul style="list-style-type: none"> ◆ A few new additions to the book: Asmanex ^{Twisthaler} (mometasone) asthma Lodalis (colesevalam) for cholesterol Fampyra (dalfampridine) -↑walking ^{MS} Onbrez ^{Breezhaler} (indacaterol) for COPD Saphris (asenapine) for schizophrenia 	<ul style="list-style-type: none"> ◆ new Sask. SPDP changes: -Full: Twynsta -EDS: Brilinta, Gilenya, Incivek, OxyNeo, Victrelis ◆ new NIHB EDS: Abilify, Advagraf, Prolia, Suboxone, Uloric 	<ul style="list-style-type: none"> ◆ generics ↓cost: candesartan, finasteride, montelukast, telmisartan, & rosuvastatin ◆ √ Prednisone ↓dose x2yr in RA ^{Camera II} ◆ ASA ≈ warfarin in heart failure ^{Warcef} ◆ ⊕ memantine to donepezil-no ^{Domino NS} ◆ √ rivaroxaban in PE ^{Einstein PE}
Jan-Feb 2012	<ul style="list-style-type: none"> ◆ NEW guidelines Antiepileptic & HIV Drug Interactions –AAN 2012 Vaccine –ACIP ^{USA} & NACI ^{CDN} 2012 updates ^{HPV, HB} ◆ Altitude: Type 2 diabetes with aliskiren & ACE/ARB had ↑ stroke & renal complications 	<ul style="list-style-type: none"> ◆ A few new additions to the book: Gelnique (oxybutynin 10% gel) for UI Luxiq (betamethasone ^{val} 0.12% foam) NYDA (dimeticone 50% soln) for lice Rapaflo (silodosin) for BPH 	<ul style="list-style-type: none"> ◆ new Sask. SPDP changes: -EDS: Effient, Janumet, Januvia, Onglyza ◆ Gonorrhea Public Health Canada: ↑ dose for cefixime & ceftriaxone 	<ul style="list-style-type: none"> ◆ generic ↓\$: clopidogrel, esomeprazole, latanoprost, losartan, mycophenolate ◆ DI: Citalopram ≥40mg & ↑QT meds ◆ Cold-FX extraction process in China ◆ Antiepileptics: special access meds ^{listed}
Nov-Dec 2011	<p>New Pregnancy & Lactation symbols based on color:</p> <ul style="list-style-type: none"> ◆ PREGNANCY (P): Safe = , Likely Safe = , Caution = , Contraindicated = , Unknown = . ◆ LACTATION (L): Safe = , Likely Safe = , Caution = , Contraindicated = , Unknown = . <p>(See also p. 137 of RxFiles book or Abbreviations & Symbols)</p>	<ul style="list-style-type: none"> ◆ A few new additions to the book: Azzone (dapson 5% gel) for acne Edurant (rilpivirine) for HIV Jalyn (tamsulosin & dutasteride) for BPH Onsolis (fentanyl buccal film) for pain Staxyn (vardenafil) for erectile dysfx Sublinox (zolpidem) for insomnia Zuacta (zucapsaicin) for pain 	<ul style="list-style-type: none"> ◆ new Sask. SPDP changes: -full formulary: Lantus & Levemir -EDS: Abilify & Invega Sustenna ◆ NEW guidelines AHA-CABG Hypertrophic cardiomyopathy PCI 	<ul style="list-style-type: none"> ◆ generics ↓cost: amlodipine & atorvastatin combo, azithromycin IV, ceftriaxone, ramipril & HCTZ combo & sumatriptan SC. ◆ HPS 11yr simvastatin follow up good ◆ SATURN: similar atherosclerosis regression with atorvastatin or rosuvastatin
Sep-Oct 2011	<ul style="list-style-type: none"> ◆ NEW guidelines ADHD -AAP^{eds} Anti-Infective Book (PAACT- orange book) Essential Tremor -AAN^{neurology} Hypertension -NICE UK Thyroid disease during Pregnancy -ATA 	<ul style="list-style-type: none"> ◆ A few new additions to the book: Banzel (Rufinamide) for seizures Complera (emtricitabine, rilpivirine, tenofovir), Seasonique (Estradiol & levonorgestrel), Trajenta (Linagliptin) for diabetes, Twynsta (amlodipine & telmisartan) 	<ul style="list-style-type: none"> ◆ Aristotle: apixaban useful for A. fib ◆ Sammpris: med tx of symptomatic intracranial arterial stenosis superior to angioplasty plus stenting ◆ AZURE: zoledronic acid not beneficial adjuvant in breast cancer 	<ul style="list-style-type: none"> ◆ generics ↓cost: imipenem ◆ NSAIDS's may ↑ abortion rate ◆ DI: Bactrim & ACEI/ARB/NSAIDs, Simvastatin expanded list⇒ myopathy ◆ Saw palmetto not useful for BPH ◆ Flu vaccine: age ≥ 6month get 0.5mls
Aug 2011	<ul style="list-style-type: none"> ◆ Acetaminophen ↓agitation/pain in BPSD ^{Dementia: Husebo '11} ◆ QT prolongation concerns with quetiapine & doses 	<ul style="list-style-type: none"> ◆ A few new additions to the book: Renvela (Sevelamer ^{carbonate}) for CKD, 	<ul style="list-style-type: none"> ◆ new EDS criteria for Sask: Adcirca -for pulmonary hypertension 	<ul style="list-style-type: none"> ◆ Rocket-AF: A. fib pts on warfarin or rivaroxaban: non-inferior to

	<p>≥ 40mg/day of citalopram ^{FDA}</p> <p>◆ Fluconazole for long term doses ≥ 400mg, pregnancy rating has changed from a “C” to a “D” more concerning</p>	<p>Verdeso (desonide foam) steroid ^{topical}</p> <p>◆ Product changes: New Avonex pen & Daypro discontinued.</p>	<p>Uloric -for select gout cases</p> <p>Vimpat-for adjunctive ^{refractory} seizure</p> <p>Prolia -for select osteoporosis cases</p>	<p>warfarin, similar bleeding but ↑↑cost</p> <p>◆ Postpartum use of birth control: Restart date based on VTE risk ^{CDC '11}</p>
June-July 2011	<p>◆ NEW <u>guidelines</u></p> <p>ACCF/AHA Expert ^{Consensus}: Hypertension in Elderly</p> <p>◆ FDA Warnings: Actos long term ? bladder cancer, ESA's ^{Epoetin} Hg >110g/L⇒↑MI/stroke</p> <p>◆ new formulations: Hydromorph Contin 4.5mg & 9mg capsules</p>	<p>◆ A few new <u>additions</u> to the book: Abstral (fentanyl SL for pain), Brilinta (ticagrelor for ACS).</p> <p>◆ Varenicline concern of ↑CV events</p> <p>◆ NIHB Addition: Diamicron MR 60mg</p> <p>Prior approval: Actemra, methadone</p>	<p>◆ new DIs: organic anion transporting peptid (OATP) in juices ^{orange ,apple, grapefruit} interactions with: aliskiren, atenolol, ciprofloxacin, fexofenadine</p>	<p>◆ SHARP: CKD pts on ezetimibe + simvastatin vs Placebo: ↓atherosclerotic ^{events}, but not mortality</p> <p>◆ generics ↓cost: atomoxetine, esomeprazole, nevirapine, zolmitriptan</p>
Apr-May 2011	<p>◆ NEW <u>guidelines</u></p> <p>CDN Thoracic Society: Dyspnea with COPD</p> <p>CDN CHEP'11: Hypertension</p> <p>◆ VTE controversy continues with Yaz & Yasmin</p>	<p>◆ A few new <u>additions</u> to the book: Byetta (exenatide SC for diabetes), Seasonique (91 day birth control), Tactuo (adapalene & benzoyl ^{peroxide}), Zenhale (mometasone & formoterol)</p>	<p>◆ new formulations: Fludac: flu vaccine for elderly</p> <p>◆ NIHB Additions: Lantus</p> <p>Prior approval: Concerta</p>	<p>◆ AIM-HIGH: trial halted, Niaspan ↑stroke vs simvastatin background tx</p> <p>◆ generics ↓cost: alendronate, cefuroxime, irbesartan, levetiracetam, nevirapine, quetiapine, ramipril & repaglinide ...</p>
Feb-Mar 2011	<p>◆ NEW <u>guidelines</u></p> <p>ACC/AHA NSTEMI/Unstable angina guidelines</p> <p>ACIP-USA Adult vaccine recommendations</p> <p>ADHD-Canadian Caddra guidelines</p> <p>A. fib Canadian CCS guideline: dabigatran an option</p> <p>◆ DI: hypotension with CCB's & eryc / clarithromycin</p>	<p>◆ A few new <u>additions</u> to the book: Biacna (clindamycin & tretinoin gel), Daxas (roflumilast: severe COPD), Gilenya (fingolimod oral for MS), Nucynta (tapentadol CR for pain), Targin (oxycodone + naloxone), Vimovo (naproxen + esomeprazole)</p>	<p>◆ antipsychotics: may have EPS & withdrawal in neonates</p> <p>◆ topiramate was pregnancy “C” but now downgraded to a “D”</p> <p>◆ new Diamicron MR 60mg tab</p> <p>◆ new LithMax SR lithium tablet</p>	<p>◆ carbamazepine: ↑ rash if HLA-B A-3101 allele present</p> <p>◆ new generic valsartan & repaglinide</p> <p>◆ candesartan no benefit in acute stroke (Scast trial)</p>
Dec'10-Jan'11	<p>◆ new Institute of Medicine calcium & Vit D limits</p> <p>◆ Zyban & Champix on formularies ^{some} 1x/yr coverage</p> <p>◆ Gardasil: FDA anorectal cancer prevention indication</p>	<p>◆ ginseng lacks cognitive benefit</p> <p>◆ opiate concern of fractures & ↑ CV harm in the elderly</p>	<p>◆ ↓ MS cost for interferon: Extavia</p> <p>◆ ↓ cost for generic Cosopt & Trusopt</p> <p>◆ new generic repaglinide</p>	<p>◆ CDC updated STD tx guidelines</p> <p>◆ Ibuprofen & naproxen DI's with ASA</p> <p>◆ bedtime Eltroxin dosing option</p>
Oct-Nov 2010	<p>◆ new CDN Osteoporosis Guidelines</p> <p>◆ ↑ CVD risks with testosterone replacement</p> <p>◆ pantoprazole Tecta ↓ cost</p>	<p>◆ Uloric for gout</p> <p>◆ CCS antiplatelet therapy update</p> <p>◆ NOUGG guidelines for opiate use in chronic pain</p>	<p>◆ ↓ cost for Cervarix</p> <p>◆ rivastigmine in delirium: ↑mortality</p> <p>◆ VADT: ↑ CVD events when DBP <70mmHg</p>	<p>◆ Avandia restrictions in USA & CDN</p> <p>◆ ↓calcium total intake to 1200mg/day</p> <p>◆ lower Hg target with Epo in cancer pts by ASCO</p>