

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

Visit www.RxFiles.ca to get a complete free indexed compilation of all our Newsletters, Q&A's, Trial summaries & list of references.



Table of Contents:

1. Chronological list of some chart changes
2. Latest Newsletter: Antibiotics & Common Infections (Stewardship & Clinical Pearls)
3. Viral Prescription Pad
4. Going Viral Clinic Posters
5. Antibiotics: Potential Harms
6. Flame (Ultibro: LABA+LAMA vs Advair: LABA+ICS in COPD)
7. Empa-Reg (Empagliflozin for CV benefit)
8. Leader (Liraglutide for CV benefit)

Jan 2018	<ul style="list-style-type: none"> ◆ NEW guidelines: ACC/AHA'17 Hypertension in Adults ACC'17 Manage Bleeding on Oral Anticoagulants 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 	<ul style="list-style-type: none"> ◆ New CDN: Entuzity insulin for diabetes Foquest for ADHD Glatect for multiple sclerosis Tremfya for plaque psoriasis ◆ New FDA: Aldmelog insulin for diabetes Juluca for HIV Ozempic for diabetes (semaglutide) Steglatro for diabetes (ertugliflozin) 	<ul style="list-style-type: none"> ◆ Sask. SPDP some changes -Full: Basaglar, Enstilar, Humalog Kwikpen 200 IU/mL, M-Ediat IR & Truvada ◆ 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 ◆ new generics: metformin ER, desvenlafaxine
June-Dec 2017	<ul style="list-style-type: none"> ◆ NEW guidelines: AAACE'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. 	<ul style="list-style-type: none"> ◆ 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 ◆ New FDA: Bevyxxa for VTE prophylaxis Mavyret & Vosevi for hepatitis C Treligy ^{Ellipta} triple therapy for COPD ◆ ↑ cost: Dipentum & Zaditen ◆ ↓ cost: flecainide, gliclazide, Truvada 	<ul style="list-style-type: none"> ◆ 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 ◆ 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 ◆ 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 ◆ Exscel: 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
Apr-May 2017	<ul style="list-style-type: none"> ◆ 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 	<ul style="list-style-type: none"> ◆ 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. ◆ new generics: Cellcept, Exelon patch, Olmetec, Omnaris, Reyataz & Sinemet IR. ◆ New FDA: Ocrevus for MS (RRMS & PPMS) ◆ ↑ cost: cabergoline 	<ul style="list-style-type: none"> ◆ Sask. SPDP some changes -EDS: Acyclovir susp, Entresto, Entyvio, Plegridy & for hepatitis (Daklinza, Epclusa, Sunvepra & Zepatier), ◆ 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.
Jul 2016- Mar 2017	<ul style="list-style-type: none"> ◆ NEW guidelines: AASLD'16 American Chronic Hepatitis B ACG'17 H. pylori ACP '16 Gout ACP'16 Insomnia 	<ul style="list-style-type: none"> ◆ New CDN: Blexten & Rupall an antihistamine, Brenzys (etanercept) for RA, Brivlera for epilepsy, Descovy- HIV, Copaxone for 3x per week dosing, 	<ul style="list-style-type: none"> ◆ Sask. SPDP some changes -Full: Arnuity Ellipta, Backup Plan Onestep & Plan B, Tecta -EDS: Cosentyx, Forxiga, Ofev, Simponi IV, Xolair, Zaxine ◆ new NIHB:

	<p>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 NACI'16: Prevnar for ≥ 65yrs SOGC'16: Nausea & Vomiting in Pregnancy</p>	<p>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, Zinbrya for multiple sclerosis.</p> <p>◆ new generics & ↓cost: Baraclude, Bezalip, Fosavance, Inflectra, levetiracetam, Meltz, Micronor, Nasacort, Nasonex, Omnairs, quetiapine, rasagiline, Seasonale, Sensipar & Tamiflu.</p> <p>◆ ↑ cost: Anafranil, Aventyl.</p> <p>◆ New FDA: Relistor orally, Stelara for Crohn's</p>	<p>-Full: alendronate, ezetimibe, Fosavance, levetiracetam, risedronate, solifenacin & tolterodine LA, -EDS: Actemra, Aptiom, Breo & Incruse Ellipta, Cosentyx, Dapagliflozin, Duaklir Genuair, Inflectra, Inspiolto & Spiriva Respimat. Jardiance, Orencia, 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>
<p>Mar 2016- Jun 2016</p>	<p>◆ NEW guidelines: American JAAD'16 Acne guideline American ACC'16 Role of Non-Statins in CVD Risk American ACC/AHA'16 Update: Heart Failure AmericanAPA'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</p>	<p>◆ New CDN: Bydureon for diabetes, Lunesta for sleeping, Praxbind for reversing dabigatran, Trulicity & Xiguo for diabetes, Zerbaxa for infection.</p> <p>◆ new generics & ↓cost: abacavir, alfuzosin, Clindoxyl, duloxetine, efavirenz, Estrace, Kivexa & Valcyte.</p> <p>◆ New FDA: Descovy & Odefsey for HIV. Nuplazid for psychosis with Parkinsons Zinbrya for MS</p>	<p>◆ Sask. SPDP some changes -EDS: For COPD: Duaklir^{Genuair}, Incruse^{Ellipta}, Inspiolto^{Respimat} & Spiriva^{Respimat}, Actemra^{SC}, Fibrilal, Inflectra, Jardiance, Lemtrada, Prezcobix, Vyvance^{10mg} & Xeljanz.</p> <p>◆ new NIHB: -Full: Climara Pro, Isosrbid mononitrate, moxifloxacin & Plan B. -EDS: Diastat, Fosrenol, Invokana & Pennsaid.</p> <p>◆ 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</p>
<p>Jun 2015- Feb-2016</p>	<p>◆ 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</p> <p>◆ ↑cost: tizanidine</p>	<p>◆ 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.</p> <p>◆ New FDA: Addyi for female sexual dysfx; Genvoya for HIV, Nucala for asthma, Praluent & Repatha for lipids.</p>	<p>◆ 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, Plevacid DR, Simbrinza & zuclopenthixol.</p> <p>◆ new NIHB: -Full: Alphagan P, Buspar, Cipro^{susp}, Cytomel, Edarbi, Fibrilal, LoLo, Mona Lisa^{IUD}, Prezcobix -EDS: Abilify^{Maintena}, Anoro^{Ellipta}, Fosfomycin, Harvoni, Latuda, Toviaz, Ultibro^{Breezhaler}</p> <p>◆ 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, efavirmez, esomeprazole, ezetimibe, gabapentin, hydroxychloroquine, moxifloxacin, olanzapine, Prometrium, quetiapine, rasagiline, solifenacin, tadalafil, Tecta, tolterodine ER, Trizivir, valacyclovir & zolpidem.</p>

Mar-May 2015	<ul style="list-style-type: none"> ◆ NEW <u>guidelines</u>: AHA/ACC/ASH¹⁵ Hypertension Tx with CAD SOGC¹⁵: Vulvovaginitis 	<ul style="list-style-type: none"> ◆ New CDN: Dymista for rhinitis, Exelon 15mg patch for Alzheimer's, Simbrinza for glaucoma. ◆ new generics & ↓cost: Clindamycin, donepezil, fluconazole, losartan, pregabalin, topiramate, zolmitriptan 	<ul style="list-style-type: none"> ◆ <u>Sask. SPDP</u> some changes -EDS: Breo Ellipta for COPD, Harvoni & Sovaldi for HCV, Orencia SC for RA. ◆ <u>new NIHB</u>: -Full: Aggrenox, Alendronate, BenzaClin, Benzamycin, Clindoxyl, Clopixol, Combivent Respimat, Divigel, Ferlecit, Jaydess, Tivicay, Vigamox, Viramune XR & Zymar. -EDS: Brillinta^{for ACS}, Galexos, Kadian Komboglyze, Sovaldi, Turdorza & Vit E. 	
Dec- Feb 2015	<ul style="list-style-type: none"> ◆ NEW <u>guidelines</u>: ACIP¹⁵ USA Adult & Pediatric Vaccine Guides ADA¹⁵ Diabetes (Target Diastolic BP 90mm Hg) AGA¹⁴ Irritable Bowel Syndrome AHA¹⁴ Primary Stroke Prevention AHS¹⁵ American Acute Adult Migraine Treatment Canadian CIHR Hepatitis & HIV Coinfected Canadian CASL¹⁵ Chronic Hepatitis C Canadian CCS¹⁴ Heart Failure Focus Update Canadian CTFPHC¹⁵ Obesity in Adults Drugs in Pregnancy & Lactation Tenth Edition Endocrine Society¹⁵ Obesity Guidelines Gold¹⁵ COPD Guidelines OTO-HNS¹⁵ Allergic Rhinitis Guidelines 	<ul style="list-style-type: none"> ◆ 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, Gardasil 9 –for HPV, Holkira for hepatitis C, Kazano & Nesina for diabetes, Spiriva Respimat for COPD, Triumeq for HIV. 	<ul style="list-style-type: none"> ◆ <u>Sask. SPDP</u> some changes -Full: carvedilol, Combivent Respimat, escitalopram, Jaydess -EDS: Dificid, Komboglyze 	<ul style="list-style-type: none"> ◆ new generics: cefixime, celecoxib, Suboxone, valganciclovir ◆ <u>Paradigm-HF</u>^{trial}: valsartan + sacubitril better than enalapril in heart failure ◆ <u>Improve-IT</u>^{ACS trial}: ezetimibe + simva slightly better than simvastatin alone ◆ Updated Stopp/Start Criteria Version 2 ◆ Risperdone only indicated for Alzheimers' type BPSD ◆ new lower Pan-Canadian pricing for: -clopidogrel, gabapentin, metformin, & olanzapine
Oct-Nov 2014	<ul style="list-style-type: none"> ◆ NEW <u>guidelines</u>: AHA14 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 ◆ <u>Paradigm-HF</u>: sacubitril & valsartan ↓ mortality in heart failure ◆ <u>DAPT</u>: 30 vs 12 months of ASA + clopidogrel^{+DES} ↓ CV event but ↑ bleed 	<ul style="list-style-type: none"> ◆ <u>Sask. SPDP</u> 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}. ◆ <u>Wisdom</u>: 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, Nocodurna for urinary incontinence, Prezcoibx for HIV, Zostavax II.
Jul-Sept 2014	<ul style="list-style-type: none"> ◆ NEW <u>guidelines</u>: ACG¹⁴ IBS & Chronic idiopathic constipation ADA¹⁴ Pediatric AIC targets: <7.5% for <18yrs CDN¹⁴ 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"> ◆ <u>Sask. SPDP</u> some changes Full: Apidra, Humalog, Lodalis, Pantoprazole EDS: Janumet XR, Perampanel ◆ Varenicline x52wk helped^{abstinence: Evins} 	<ul style="list-style-type: none"> ◆ new generics: adefovir, clarithromycin susp, Combivir, dutasteride, Myfortic, Pennsaid & zoledronic acid ◆ <u>PD Med</u>^{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, Mezanvit, 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}. ◆ <u>Topcat</u>: 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 ◆ <u>Poise-2</u>: ASA & clonidine NS pre-op
Feb-Apr 2014	<ul style="list-style-type: none"> ◆ NEW <u>guidelines</u>: ACIP¹⁴ USA Adult & Child Vaccine Schedule AHA/ACC/HRS¹⁴: Atrial Fibrillation CIHR¹³ Canadian Hepatitis C/HIV^{Adult} Coinfection 	<ul style="list-style-type: none"> ◆ <u>Lower price</u>: 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"> ◆ <u>Sask. SPDP</u> some changes Full: Fluconazole, Tactuo EDS: Jentaduet, Tecfidera ◆ Remeron reports of ↑QT 	<ul style="list-style-type: none"> ◆ new generics: Arthrotec, Cipro XL, Elocom lotion, entecavir, Nasonex, Risperdal M-tab, Uniphyl ◆ <u>CitAD</u>: citalopram ↓ agitation in AD, but ↑QT & worsened cognition
Nov-Jan 2014	<ul style="list-style-type: none"> ◆ NEW <u>guidelines</u>: ACOG: HRT & Heart Dx ADA¹⁴ (Diabetes) AHA¹³ Lipid Guideline AHA¹³ Obesity Guide ASH/ISH BP Guide Canadian MS Guide Canadian Society Nephrology Anemia Guideline Canadian HTN: CHEP¹⁴ JNC 8: Hypertension 	<ul style="list-style-type: none"> ◆ <u>Lower prices</u>: quetiapine XR, rizatriptan, testosterone undecanoate ◆ New CDN: Emtrix- onychomycosis, Guanfacine^{Intuniv XR} for ADHD, Rifaximin^{Zaxine}-encephalopathy^{hepatic} Simeprevir^{Galaxos}, Sofosbuvir^{Sovaldi}. hepC 	<ul style="list-style-type: none"> ◆ <u>Sask. SPDP</u> some changes EDS: Biphentin, Cimzia, Eliquis & Stribild ◆ Placide: probiotics not help AAD or C. difficile in older adults 	<ul style="list-style-type: none"> ◆ <u>Sammpris</u>^{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 <u>guidelines</u>: 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"> <u>Lower prices</u>: amlodipine, atorvastatin, omeprazole, pregabalin, rabeprazole, ramipril, venlafaxine <u>Higher prices</u>: 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, Jurnista, 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, CipraleX, 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 <u>guidelines</u>: 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 CHEP'13: ISH elderly >80yr ⇒ SBP <150mm Hg Reflux trial: surgery or PPI's good GERD options Bruise Control trial: warfarin continuation better than heparin bridging before ICD/pacemaker surgery 	<ul style="list-style-type: none"> A few new <u>additions</u> to the book: Axiron (testosterone) underarm soln Bystolic (nebivolol) new beta-blocker Myrbetriq (mirabegron) for OAB Neupro (rotigotine) for Parkinson's Olux-E foam (clobetasol^{propionate}) steroid Silenor (doxepin) for insomnia Stribild (a quad pill daily) for HIV Tecfidera (dimethyl fumarate) for MS 	<ul style="list-style-type: none"> Sask. SPDP changes Full: Asmanex Twisthaler EDS: Asenapine for BPAD, Toviaz for OAB, Vyvanse for ADHD, Zenhela for Asthma new NIHB: -EDS: dabigatran, nabilone, rivaroxaban, saxagliptin -Removed: Ketorolac, OxyNeo 	<ul style="list-style-type: none"> ↓cost/new generics: Caduet, eletriptan, fluvastatin, malarone, pregabalin New Formulations: Hydromorph Contin 4.5mg Prevista 150mg tab 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 <u>guidelines</u>: 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 <u>additions</u>: 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: Atripila, inj opiates, Intellece -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 <u>guidelines</u>: AASM Restless Leg Anemia CKD: KDIGO AHA & ESC A. Fib AACE/ATA Hypothyroid CDN Fibromyalgia ESC Acute MI Endocrine Society: Thyroid in Pregnancy/Postpartum HIV: IAS-USA Adult NACI: Influenza 2012-13 	<ul style="list-style-type: none"> A few new <u>additions</u> 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 Miacalcin: ? 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 <u>not</u> help Alzheimer's Milk thistle: <u>not</u> help hepatitis C SPS3: ASA + Clopidogrel combo <u>not</u> better than ASA only for lacunar strokes
Jun-Aug 2012	<ul style="list-style-type: none"> 10 NEW <u>charts</u>: A Fibrillation Anticholinergics Diabetes Overview Diabetes Trials: Lipids/ASA/BP Ederly/LTC Hepatitis B & C Hirsutism Pain: Acute/Pall/CNCP Palliative Care Peri-Pregnancy NEW <u>guidelines</u>: Canadian PSC 2012 Parkinson's Canadian Thoracic Society 2012 Asthma American-AAN/AHS Migraine Prevention 	<ul style="list-style-type: none"> A few new <u>additions</u> to the book: Belvigi (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 <u>guidelines</u>: 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 <u>additions</u> 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, Advagraft, 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 <u>guidelines</u>: 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 <u>additions</u> 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	<ul style="list-style-type: none"> New Pregnancy & Lactation symbols based on color: PREGNANCY (P): Safe = , Likely Safe =  	<ul style="list-style-type: none"> A few new <u>additions</u> to the book: Aczone (dapsone 5% gel) for acne Edurant (rilpivirine) for HIV 	<ul style="list-style-type: none"> new Sask. SPDP changes: -full formulary: Lantus & Levemir -EDS: Abilify & Invega Sustenna 	<ul style="list-style-type: none"> generics ↓cost: amlodipine & atorvastatin combo, azithromycin IV, ceftriaxone, ramipril & HCTZ combo &

	<p>Caution = P, Contraindicated = R, Unknown = P.</p> <p>◆ LACTATION (L): Safe = L, Likely Safe = L,</p> <p>Caution = L, Contraindicated = R, Unknown = L.</p> <p>(See also p. 137 of RxFiles book or Abbreviations & Symbols)</p>	<p>Jalyn (tamsulosin & dutasteride) for BPH</p> <p>Onsolis (fentanyl buccal film) for pain</p> <p>Staxyn (vardenafil) for erectile dysfx</p> <p>Sublinox (zolpidem) for insomnia</p> <p>Zuacta (zucapsaicin) for pain</p>	<p>◆ NEW <u>guidelines</u></p> <p>AHA-CABG</p> <p>Hypertrophic cardiomyopathy</p> <p>PCI</p>	<p>sumatriptan SC.</p> <p>◆ HPS 11yr simvastatin follow up good</p> <p>◆ SATURN: similar atherosclerosis regression with atorvastatin or rosuvastatin</p>
Sep-Oct 2011	<p>◆ NEW <u>guidelines</u></p> <p>ADHD -AAP^{eds}</p> <p>Anti-Infective Book (PAACT- orange book)</p> <p>Essential Tremor -AAN^{euology}</p> <p>Hypertension -NICE UK</p> <p>Thyroid disease during Pregnancy -ATA</p>	<p>◆ A few new <u>additions</u> to the book:</p> <p>Banzel (Rufinamide) for seizures</p> <p>Complera (emtricitabine, rilpivirine, tenofovir),</p> <p>Seasonique (Estradiol & levonorgestrel),</p> <p>Trajenta (Linagliptin) for diabetes,</p> <p>Twynsta (amlodipine & telmisartan)</p>	<p>◆ Aristotle: apixaban useful for A. fib</p> <p>◆ Sammpriis: med tx of symptomatic intracranial arterial stenosis superior to angioplasty plus stenting</p> <p>◆ AZURE: zoledronic acid <u>not</u> beneficial adjuvant in breast cancer</p>	<p>◆ generics ↓cost: imipenem</p> <p>◆ NSAIDS's may ↑ abortion rate</p> <p>◆ DIs: Bactrim & ACEI/ARB/NSAIDs, Simvastatin expanded list⇒ myopathy</p> <p>◆ Saw palmetto <u>not</u> useful for BPH</p> <p>◆ Flu vaccine: age ≥ 6month get 0.5mls</p>
Aug 2011	<p>◆ Acetaminophen ↓agitation/pain in BPSD ^{Dementia: Husebo '11}</p> <p>◆ QT prolongation concerns with quetiapine & doses ≥ 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>◆ A few new <u>additions</u> to the book:</p> <p>Renvela (Sevelamer ^{carbonate}) for CKD,</p> <p>Verdeso (desonide foam) steroid ^{topical}</p> <p>◆ Product changes: New Avonex pen & Daypro discontinued.</p>	<p>◆ new EDS criteria for Sask:</p> <p>Adcirca -for pulmonary hypertension</p> <p>Uloric -for select gout cases</p> <p>Vimpat-for adjunctive ^{refractory} seizure</p> <p>Prolia -for select osteoporosis cases</p>	<p>◆ Rocket-AF: A. fib pts on warfarin or rivaroxaban: non-inferior to 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:</p> <p>Hydromorph Contin 4.5mg & 9mg capsules</p>	<p>◆ A few new <u>additions</u> to the book:</p> <p>Abstral (fentanyl SL for pain),</p> <p>Brilinta (ticagrelor for ACS).</p> <p>◆ Varenicline concern of ↑CV events</p> <p>◆ NIH 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:</p> <p>Byetta (exenatide SC for diabetes),</p> <p>Seasonique (91 day birth control),</p> <p>Tactuo (adapalene & benzoyl ^{peroxide}),</p> <p>Zenhale (mometasone & formoterol)</p>	<p>◆ new formulations:</p> <p>Fluad: flu vaccine for elderly</p> <p>◆ NIH 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:</p> <p>Biacna (clindamycin & tretinoin gel),</p> <p>Daxas (roflumilast: severe COPD),</p> <p>Gilenya (fingolimod oral for MS),</p> <p>Nucynta (tapentadol CR for pain),</p> <p>Targin (oxycodone + naloxone),</p> <p>Vimovo (naproxen + esomeprazole)</p>	<p>◆ antipsychotics: may have EPS & withdrawl 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 (<u>Scast</u> 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>