

**WEB-RADR WP2A  
DATA COLLECTION REPORT  
JUNE 26, 2015**

**Products and Search Terms**

The following products – identified by EFPIA partners of the WEB-RADR consortium – are currently being monitored. Both trade names and active ingredients have been included as search terms. Trade names were provided by each EFPIA partner; these lists can be found [here on Sharepoint](#).

<b>Name</b>	<b>Active Ingredients / Generics</b>
Aclasta	zoledronic acid
Afinitor	everolimus
aldesleukin	aldesleukin
aliskiren	aliskiren
amlodipine and valsartan	amlodipine, valsartan
amlodipine-benazepril	amlodipine, benazepril
amlodipine/valsartan/hydrochlorothiazide	amlodipine, valsartan, hydrochlorothiazide
Anafranil	clomipramine
Arcapta/Onbrez	Indacaterol Maleate
Aredia	pamidronate
artemether and lumefantrine	artemether, lumefantrine
Atenolol	atenolol
Aubagio	teriflunomide
Baclofen	Baclofen
basiliximab	basiliximab
Betaferon	interferon beta-1b
Betaseron	interferon beta-1b
Brilinta	Ticagrelor
budesonide	budesonide
Cabazitaxel	Cabazitaxel
canakinumab	canakinumab
Caprelsa	vandetanib
carbamazepine	carbamazepine
Cardioxane	dexrazoxane
Ceftaroline foramil	Ceftaroline foramil

<b>Name</b>	<b>Active Ingredients / Generics</b>
ceritinib	ceritinib
Certican	everolimus
Climagest	norethisterone, estradiol valerate
Climaval	estradiol valerate
Climesse	norethisterone, estradiol valerate
clomipramine	clomipramine
clopidogrel	clopidogrel
clozapine	clozapine
Clozaril	clozapine
Co-Diovan	valsartan, hydrochlorothiazide
Comtan	entacapone
cyclosporin	cyclosporin
deferasirox	deferasirox
deferoxamine	deferoxamine
Denosumab	Denosumab
Desferal	deferoxamine
dexrazoxane	dexrazoxane
Diclofenac	diclofenac
Diovan	valsartan
Diprivan	propofol
dronedarone	dronedarone
entacapone	entacapone
Estraderm	estradiol hemihydrate
Estradiol	estradiol
estradiol hemihydrate	estradiol hemihydrate
estradiol valerate	estradiol valerate
Eucreas	vildagliptin, metformin
everolimus	everolimus
Exelon	rivastigmine
Exelon Patch	rivastigmine transdermal
Exforge	amlodipine, valsartan

Name	Active Ingredients / Generics
Exforge HCT	amlodipine, valsartan, hydrochlorothiazide
Exjade	deferasirox
Extavia	interferon beta-1b
famciclovir	famciclovir
Famvir	famciclovir
Fanapt	iloperidone
Farydak	panobinostat
Femara	letrozole
fingolimod	fingolimod
fluvastatin	fluvastatin
Galvus	vildagliptin
Gilenya	fingolimod
Glivec	imatinib
glycopyrronium bromide	glycopyrronium bromide
Ilaris	canakinumab
iloperidone	iloperidone
imatinib	imatinib
indacaterol and glycopyrronium	Indacaterol Maleate, glycopyrronium bromide
Indacaterol Maleate	Indacaterol Maleate
insulin glargine	insulin glargine
Invega Sustenna	paliperidone palmitate
Jakavi	Ruxolitinib Phosphate
Jevtana	Cabazitaxel
Keppra	levetiracetam
Lamisil	terbinafine
Lantus	insulin glargine
Lescol	fluvastatin
letrozole	letrozole
Levetiracetam	levetiracetam
levodopa/entacapone/carbidopa	levodopa, entacapone, carbidopa

<b>Name</b>	<b>Active Ingredients / Generics</b>
Lioresal	Baclofen
lixisenatide	lixisenatide
Lotrel	amlodipine, benazepril
Lucentis	ranibizumab
lumiracoxib	lumiracoxib
Lyxumia	lixisenatide
methylphenidate	methylphenidate
Multaq	dronedarone
mycophenolic acid	mycophenolic acid
Myfortic	mycophenolic acid
Navoban	tropisetron
Neoral	cyclosporin
Nexavar	sorafenib
nilotinib	nilotinib
Nitroderm	nitroglycerine
nitroglycerine	nitroglycerine
norethisterone and estradiol valerate	norethisterone, estradiol valerate
Nplate	romiplostim
octreotide	octreotide
omalizumab	omalizumab
Onglyza	saxagliptin
oxcarbazepine	oxcarbazepine
pamidronate	pamidronate
panobinostat	panobinostat
pasireotide	pasireotide
pilocarpine	pilocarpine
Plavix	clopidogrel
Precose	acarbose
Prexige	lumiracoxib
Proleukin	aldesleukin
Prolia	Denosumab
propofol	propofol
Propranolol	propranolol
Pulmicort	budesonide

<b>Name</b>	<b>Active Ingredients / Generics</b>
radium Ra 223 dichloride	radium Ra 223 dichloride
ranibizumab	ranibizumab
Rasilez	aliskiren
Regorafenib	Regorafenib
Riamet	artemether, lumefantrine
Ritalin	methylphenidate
rivastigmine	rivastigmine
rivastigmine transdermal	rivastigmine transdermal
romplostim	romplostim
Ruxolitinib Phosphate	Ruxolitinib Phosphate
Salagen	pilocarpine
Sandimmun	cyclosporin
Sandostatin	octreotide
saxagliptin	saxagliptin
Sebivo	telbivudine
Seebri	glycopyrronium bromide
Signifor	pasireotide
Simulect	basiliximab
Stalevo	levodopa, entacapone, carbidopa
Stivarga	Regorafenib
tamoxifen	tamoxifen
Tasigna	nilotinib
filgrastim	filgrastim
Tegretol	carbamazepine
Tekturna	aliskiren
telbivudine	telbivudine
terbinafine	terbinafine
teriflunomide	teriflunomide
Ticagrelor	Ticagrelor
Tobi	tobramycin
tobramycin	tobramycin
Topamax	topiramate
topiramate	topiramate

Name	Active Ingredients / Generics
Trileptal	oxcarbazepine
tropisetron	tropisetron
Ultibro	Indacaterol Maleate, glycopyrronium bromide
valsartan	valsartan
valsartan and hydrochlorothiazide	valsartan, hydrochlorothiazide
vandetanib	vandetanib
verteporfin	verteporfin
vildagliptin	vildagliptin
Visudyne	verteporfin
Vivelle	estradiol
Voltarol	diclofenac
Votubia	everolimus
Xgeva	Denosumab
Xofigo	radium Ra 223 dichloride
Xolair	omalizumab
Zaltrap	ziv-aflibercept
ziv-aflibercept	ziv-aflibercept
zoledronic acid	zoledronic acid
Zolpidem	zolpidem
Zometa	zoledronic acid
Zykadia	ceritinib
vildagliptin and metformin	vildagliptin, metformin
interferon beta-1b	interferon beta-1b
Feron	interferon beta-1b
Compesk	interferon beta-1b
Levitra	vardenafil hydrochloride
vardenafil	vardenafil hydrochloride
Vivanza	vardenafil hydrochloride
Staxyn	vardenafil hydrochloride
Yaila	vardenafil hydrochloride

<b>Name</b>	<b>Active Ingredients / Generics</b>
ethinylestradiol and gestodene	ethinylestradiol, gestodene
Meliane	ethinylestradiol, gestodene
Femodette	ethinylestradiol, gestodene
Fedra	ethinylestradiol, gestodene
Logest	ethinylestradiol, gestodene
Meloden	ethinylestradiol, gestodene
Lodene	ethinylestradiol, gestodene
Gynera	ethinylestradiol, gestodene
Minigeste	ethinylestradiol, gestodene
Femiane	ethinylestradiol, gestodene
Lunafem	ethinylestradiol, gestodene
Gynovin	ethinylestradiol, gestodene
dienogest	dienogest
Visanne	dienogest
Allurene	dienogest
Visanna	dienogest
Visabelle	dienogest
Visannette	dienogest
Stivar	Regorafenib
nifedipine	nifedipine
Adalat	nifedipine
Pertensal	nifedipine
Adefin	nifedipine
Chronadalat	nifedipine
sorafenib	sorafenib
iopromide	iopromide
Ultravist	iopromide
Clarograf	iopromide
Proscope	iopromide
Claritrast	iopromide
acarbose	acarbose
Glucobay	acarbose

<b>Name</b>	<b>Active Ingredients / Generics</b>
Glucor	acarbose
Gluconase	acarbose
Glicobase	acarbose
Prandase	acarbose
Stabilic	acarbose
Glumida	acarbose
Gitsalat	nifedipine
Stilnox	zolpidem
Lemtrada	alemtuzumab
alemtuzumab	alemtuzumab
Apidra	insulin glulisine
insulin glulisin	insulin glulisine
Vectibix	panitumumab
panitumumab	panitumumab
Aranesp	darbeoetin alfa
darbeoetin alfa	darbeoetin alfa
Neulasta	pegfilgrastim
pegfilgrastim	pegfilgrastim
Neupogen	filgrastim
Mimpara	cinacalcet
cinacalcet	cinacalcet
Chronadalate	nifedipine
Ferro Sanol	ferrous glycine sulfate
Niferex	ferrous glycine sulfate
Obsidan Fe++	ferrous glycine sulfate
Spartofer	ferrous glycine sulfate
Ferro Gyn	ferrous glycine sulfate, folic acid
ferrous glycine sulfate and folic acid	ferrous glycine sulfate, folic acid
ferrous glycine sulfate	ferrous glycine sulfate
Ferro Sanol Gyn	ferrous glycine sulfate, folic acid
Brilique	Ticagrelor
Inderal	propranolol



<b>Name</b>	<b>Active Ingredients / Generics</b>
Avlocardyl	propranolol
Dociton	propranolol
Inderalici	propranolol
Sumial	propranolol
Kombiglyze	saxagliptin
Axanum	esomeprazole, acetylsalicylic acid
esomeprazole and acetylsalicylic acid	esomeprazole, acetylsalicylic acid
felodipine	felodipine
Plendil	felodipine
Preslow	felodipine
Feloday	felodipine
Perfudal	felodipine
Felodipin	felodipine
Prevex	felodipine
Felodur	felodipine
metoprolol tartrate	metoprolol tartrate
Seloken	metoprolol tartrate
Selozok	metoprolol tartrate
Spesicor	metoprolol tartrate
Betazide	metoprolol tartrate
Tenormin	atenolol
naproxen and esomeprazole	naproxen, esomeprazole
Vimovo	naproxen, esomeprazole
zolmitriptan	zolmitriptan
Zomig	zolmitriptan
Zomigon	zolmitriptan
AscoTop	zolmitriptan
Zomigoro	zolmitriptan
Ponesta	zolmitriptan
anastrozole	anastrozole
Arimidex	anastrozole

<b>Name</b>	<b>Active Ingredients / Generics</b>
Anastrozol	anastrozole
Remidex	anastrozole
Zactima	vandetanib
bicalutamide	bicalutamide
Casodex	bicalutamide
Cosudex	bicalutamide
Nolvadex	tamoxifen
Valodex	tamoxifen
Istubal	tamoxifen
Zinforo	Ceftaroline foramil
Spirocort	budesonide
Pulmaxan	budesonide
Budicort	budesonide
paliperidone palmitate	paliperidone palmitate
Invega	paliperidone
paliperidone	paliperidone
Imodium Multi-Symptom	loperamide and simethicone
loperamide and simethicone	loperamide and simethicone
Alpharadin	radium Ra 223 dichloride
Tactevo	influenza
Fluenz	influenza
Cosentyx	secukinumab
secukinumab	secukinumab

### **Data Sources**

Any publicly available post that mentions any of the above-listed products will be acquired from the following social media platforms and patient discussion boards:

- Facebook
- Twitter
- Forums:
  - ehealthforum.com
  - dailystrength.org
  - healthboards.com
  - mdjunction.com
  - healingwell.com
  - medhelp.org
  - patient.co.uk
  - tdiabetes.org

- babycenter.com
- whattoexpect.com
- myfitnesspal.com
- diabetessupport.co.uk
- childrenwithdiabetes.com
- thebump.com
- webmd.com
- dcurbanmom.com
- fertilethoughts.com
- netmums.com
- steroidology.com
- breastcancer.org
- bigfooty.com
- e-cigarette-forum.com
- healthunlocked.com
- breathingbetterlivingwell.com
- copdforum.portalone.us
- quitsmokingmessageboard.com
- copd-international.com/COPD/forum.htm
- wehavelupus.com
- thelupussite.com
- lupus-support.org
- lupuschat.org

Further exploration will be done to identify additional forums of interest, specifically those targeted to or frequented by patients based in the EU and are specifically related to therapeutic areas relevant to the monitored products.

### **Language Classification**

Posts in English, Spanish and French are currently being collected. Epidemico's existing system has been developed through machine learning by training a Bayesian classifier to recognize English-language descriptions of adverse events. Expansion to Spanish and French requires the development of two additional classifiers, each geared toward one specific language. We will create a corpus of posts for each language by running a script on our database of posts to identify French and Spanish, using a language tag that is typically available in the post metadata. Next we will develop a function in our existing curation interface that allows analysts to configure the platform to display only Spanish or French posts and determine which classifier and symptom dictionary to use.

### **Symptom Dictionary Creation**

As part of the expansion to French and Spanish languages, we are creating a vernacular symptom dictionary in both languages that will inform the classifier on how to translate colloquial phrases into MedDRA terminology.

We have based the process for creating the symptom dictionaries on our existing work with English vernacular-to-regulatory translation. We reviewed our English symptom dictionary and identified almost 500 Preferred Terms representing the most commonly-reported side effects in social media, based on frequency and the number of synonyms in the dictionary for each Preferred Term. Using MedDRA codes, we automatically translated each English Preferred Term to its counterpart in French or Spanish. We are currently in the process of building out the vernacular phrases describing each Preferred

Term in the two languages with the help of Spanish- and French-speaking analysts. The creation of synonyms is based on the analyst's knowledge of how symptoms are described colloquially, as well as reviewing social media text for vernacular phrases. This process of building the symptom dictionary continues as the analysts manually code posts to comprise the training sets for the French and Spanish autoclassifiers.