**ONLINE SUPPLEMENTAL MATERIAL**

**Methods**

***Data Feed from YouTube Application Programming Interface (API)***

The YouTube API allows you to enter a search term with various parameters (e.g., https://gdata.youtube.com/feeds/api/videos?q=SSRI+PREGNANCY), and when entered as a uniform resource locator (URL) on a web browser, an extensible markup language (XML) file containing information on the videos is generated. The XML file can then be parsed into a data structure. The YouTube video feed data includes, but is not limited to: video URL, author, title, author’s tagged or designated description and category, dates of publication and updates, duration, number of views, number of comments, and ratings.

When using the YouTube API, the maximum number of videos returned for each search term is restricted to 500 with a maximum of 25 videos presented in each XML file. Therefore, we developed a SAS macro that performed the video data feed extraction process by using an incremental starting index parameter (e.g., the start index of 1 returned the videos 1-25 in the XML file; the start index of 26 returned the next 25 videos) that continued until the maximum number of videos for each search term was extracted.

***Filtering out Non-Relevant Videos***

The initial video feed yielded 97,480 results, many of which were duplicated videos either within a set of results from a pair of search terms or across different search term results. After de-duplicating based on video title, there were 41,438 unique videos. We then excluded videos that did not have the search terms in the title or the description fields (note: the description field is truncated in a YouTube video feed and not all text can be searched) resulting in 10,462 videos. However, many only had the medication listed in the title and were not related to pregnancy. Therefore, in the final step we selected only videos that had both a medication and pregnancy-related search term in the title or description (n=651).

|  |  |  |  |
| --- | --- | --- | --- |
| eTABLE 1.Medication terms used to search YouTube videos about medication use in pregnancy | | | |
| **Broad terms** |  |  |  |
| SSRI | Antidepressant | Inhaler | Antibiotic |
| Bronchodilator |  |  |  |
| **ALBUTEROL** |  |  |  |
| Albuterol | Apo-salvent | Proair | Volmax |
| Alti-salbutamol | Broncho-spray | Proventil | Vospire |
| Ratio-salbutamol | Buto asma | Respiroma | Xopenex |
| Accuneb | Combivent | Salbutamol |  |
| Accuvent | Levalbuterol | Ventodisks |  |
| Airet | Novo-salmol | Ventolin |  |
| **ALPRAZOLAM** |  |  |  |
| Alprazolam | Niravam | Trankimazin | Xanax |
| Xanor |  |  |  |
| **AMOXICILLIN** |  |  |  |
| Amobay | Clavepen | Metifarma | Salvapen |
| Amoxicillin | Clavulin | Moxatag | Trimox |
| Amoxil | Clavumox | Naxina | Utimox |
| Ardine | Eupen | Novamoxin | Wymox |
| Augmentin | Fish mox | Polymox |  |
| Burmicin | Hosboral | Precopen |  |
| Clamoxyl | Larotid | Remisan |  |
| **AZITHROMYCIN** |  |  |  |
| Azasite | Zithromax | Z-pak |  |
| Azithromycin | Zmax |  |  |
| **BUDESONIDE** |  |  |  |
| Budesonide | Pulmicort | Symbicort |  |
| Entocort | Rhinocort |  |  |
| **BUPROPION** |  |  |  |
| Budeprion | Bupropion | Zyban |  |
| Buproban | Wellbutrin |  |  |
| **CLOMIPHENE** |  |  |  |
| Clomid | Clomiphene | Omifin | Serophene |
| **CODEINE** |  |  |  |
| Abical | Codeisan | Iophen c | Phenylhist |
| Ambenyl | Df 118 | J-cof dhc | Proval |
| Ascodeen | Dhc plus | Lo-tussin | Robitussin dac |
| Baytussin ac | Dihydrocodeine | Mytussin | Termalgin codeine |
| Cheracol | Drocode | Novahistine | Tussin ac |
| Cheratussin | Empirin | Novo-gesic | Tussi-organidin |
| Codafed | Emprazil | Panadeine | Tylenol #1,#2,#3,#4 |
| Codap | Fiorinal-c | Panlor dc | Ty-tabs |
| Codein | Guiatuss | Perduretas | Veganin |
| Codeine | Halotussin | Phenhist |  |
| **ESCITALOPRAM** |  |  |  |
| Cipralex | Escitalopram | Lexapro |  |
| **FLUOXETINE** |  |  |  |
| Fluoxetine | Prozac | Selfemra | Sarafem |
| **FLUTICASONE** |  |  |  |
| Advair | Flixonas | Flovent | Seretide |
| Cutivate | Flonase | Fluticasone | Veramyst |
| **HYDROCODONE** |  |  |  |
| Anodynos | G-tuss syrup | Hy-phen | Robidone |
| Bancap | Hycotuss | Lorcet | Vicodin |
| Codiclear | Hydrocet | Lortab | Vicoprofen |
| Entuss | Hydrocodone | Norco | Vi-q-tuss |
| **INSULIN** |  |  |  |
| Actrapid | Insulin | Levemir | Novorapid |
| Apidra | Insulina | Novo-lenta insulin | Protaphane |
| Exubera | Lantus | Novolente insulin |  |
| Humalog | Lentard | Novolin |  |
| Humulin | Lente iletin | Novolog |  |
| **LEUPROLIDE** |  |  |  |
| Eligard | Leuprorelin | Lupron |  |
| Leuprolide | Lucrin |  |  |
| **LEVOTHYROXINE** |  |  |  |
| Eltroxin | Levotabs | Levoxyl | Tirosint |
| Euthyrox | Levothroid | L-thyroxine | Unithroid |
| Eutirox | Levothyroxine | Synthroid |  |
| Levo-t | Levoxine | T-4 |  |
| **METFORMIN** |  |  |  |
| Actoplus | Glucovance | Metaglip | Ratio-metformin |
| Avandamet | Glumetza | Metformin | Riomet |
| Fortamet | Janumet | Metformina |  |
| Glucomin | Jentadueto | Novo-metformin |  |
| Glucophage | Kombiglyze | Prandimet |  |
| **METOCLOPRAMIDE** |  |  |  |
| Cerucal | Maxeran | Octamide | Reclomide |
| Gastronerton | Metoclopramide | Plasil | Reglan |
| Hepa digest | Metoclopramit | Primperan |  |
| **MONTELUKAST** |  |  |  |
| Montelukast | Singulair |  |  |
| **NITROFURANTOIN** |  |  |  |
| Furadantin | Furobactina | Macrodantin |  |
| Furantonia | Macrobid | Nitrofurantoin |  |
| **ONDANSETRON** |  |  |  |
| Ondansetron | Zofran |  | Zuplenz |
| **OXYCODONE** |  |  |  |
| Combunox | Oxycet | Percodan | Roxilox |
| Endocet | Oxycodone | Primalev | Tylox |
| Magnacet | Oxycontin | Roxicet |  |
| Oxy | Percocet | Roxicodone |  |
| **PAROXETINE** |  |  |  |
| Paroxetine | Paxil | Pexeva |  |
| **PROMETHAZINE** |  |  |  |
| Fenergan | Mepergan | Promethazine | Zipan |
| Frinova | Phenadoz | Promethegan |  |
| Histantil | Phenergan | Synergen |  |
| **SALMETEROL** |  |  |  |
| Salmeterol | Serevent |  |  |
| **SERTRALINE** |  |  |  |
| Aremis | Sertraline | Zoloft |  |
| **TRIMETHOPRIM AND SULFAMETHOXAZOLE** | | | |
| Abacin | Chemitrim | Septra | Trimpex |
| Abactrim | Gantanol | Septran | Wellcoprim |
| Bactrim | Kepinol | Septrin |  |
| Bethaprim | Novotrimel | Smz/tmp |  |
| Brongenit | Novo-trimel | Sulfamethoprim |  |
| Coptin | Polytrim | Sulfatrim |  |
| Cotrim | Primsol | Sulfamethoxazole |  |
| Co-trim | Proloprim | Trimethoprim |  |

Notes: SSRI = selective serotonin reuptake inhibitor