**Supplementary Materials**

**Online Searches for SGLT-2 inhibitors and GLP-1 receptor agonists correlate with prescription rates in the United States: An Infodemiological Study**

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**Supplementary Figure Legends**

**Supplemental Figure 1. ARIMA analysis for prescriptions of selected SGLT2i and GLP-1 RA.**

Trends in actual and expected prescription rates (per 10 million prescriptions) from January 2016 to December 2021 for dapagliflozin, empagliflozin, ertugliflozin, dulaglutide, semaglutide. Cut-off date for ARIMA analysis was January 01, 2021. Actual (dark blue) and expected (light blue) trends are shown.

**Supplemental Figure 2. Trends in prescriptions and online searches for Biguanide (metformin) and Sulfonylureas between 2016 and 2021 for the United States.**

(A) Online searches and (B) prescriptions from 2016 to 2021 for Biguanide (metformin) (red line) and Sulfonylureas (blue line) as monthly query fraction/prescriptions per 10 million searches/prescriptions for summarized brands names are shown. All data are representative for the United Sates.

**Supplemental Figure 1. ARIMA analysis for prescriptions of selected SGLT2i and GLP-1 RA.**

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**Supplemental Figure 2. Trends in prescriptions and online searches for Biguanide (metformin) and Sulfonylureas between 2016 and 2021 for the United States.**

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**Supplemental Table 1. Queried brand names and online search terms.**

|  |  |  |
| --- | --- | --- |
| **Drug name** | **Prescription Data** | **Online Search Terms** |
| *SGLT-2 inhibitors* |  |  |
| Dapagliflozin |  | Dapagliflozin |
|  | FARXIGA | FARXIGA |
|  | QTERN | QTERN |
|  | XIGDUO XR | XIGDUO XR |
| Canagliflozin |  | Canagliflozin |
|  | INVOKAMET | INVOKAMET |
|  | INVOKANA | INVOKANA |
| Empagliflozin |  | Empagliflozin |
|  | JARDIANCE | JARDIANCE |
|  | SYNJARDY | SYNJARDY |
|  | GLYXAMBI | GLYXAMBI |
|  | TRIJARDY | TRIJARDY |
| Ertugliflozin |  | Ertugliflozin |
|  | SEGLUROMET | SEGLUROMET |
|  | STEGLATRO | STEGLATRO |
|  | STEGLUJAN | STEGLUJAN |
| *GLP-1 receptor agonists* |  |  |
| Albiglutide |  | Albiglutide |
|  | TANZEUM | TANZEUM |
| Dulaglutide |  | Dulaglutide |
|  | TRULICITY | TRULICITY |
| Liraglutide |  | Liraglutide |
|  | VICTOZA | VICTOZA |
|  | SAXENDA | SAXENDA |
| Exenatide |  | Exenatide |
|  | BYDUREON | BYDUREON |
|  | BYETTA | BYETTA |
| Semaglutide |  | Semaglutide |
|  | OZEMPIC | OZEMPIC |
|  | RYBELSUS | RYBELSUS |
|  | WEGOVY | WEGOVY |
| *Biguanide* |  |  |
| Metformin |  |  |
|  | METFORMIN HCL | METFORMIN |
|  | METFORMIN ER (G) |
|  | METFORMIN ER (F) |
|  | GLUMETZA | GLUMETZA |
|  | RIOMET | RIOMET |
|  | GLUCOPHAGE | GLUCOPHAGE |
|  | FORTAMET ER | FORTAMET ER |
| *Sulfonylureas* |  |  |
| Glimepiride |  |  |
|  | GLIMEPIRIDE | GLIMEPIRIDE |
|  | AMARYL | AMARYL |
|  | GLIPIZIDE | GLIPIZIDE |
| Glipizide |  |  |
|  | GLIPIZIDE ER | GLIPIZIDE ER |
|  | GLIPIZIDE XL | GLIPIZIDE XL |
|  | GLUCOTROL XL | GLUCOTROL XL |
| Glyburide |  |  |
|  | GLUCOTROL | GLUCOTROL |
|  | GLYBURIDE | GLYBURIDE |
|  | GLYBURIDE MICRO | GLYBURIDE MICRO |
|  | GLYNASE PRESTAB | GLYNASE PRESTAB |