**Table 1:** List of DDI sources with the information extracted from each one.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Source** | **Description** | **Clinical significance** | **Management options** | **Evidence level** | **Mechanism of**  **action** | **Side effect** |
| Drugbank x | | | | | | |
| KEGG |  |  | x |  | x |  |
| Interaktion Databasen |  | x | x | x |  |  |
| Twosides |  |  |  |  |  | x |
| NDF-RT |  | x |  |  |  |  |
| Crediblemeds | x |  | x |  | x |  |
| HIV | x | x |  | x |  |  |
| HEP | x | x |  | x |  |  |
| CANCER | x | x |  | x |  |  |
| DDI Corpus 2011 | x |  |  |  |  |  |
| DDI Corpus 2013 | x |  |  |  |  |  |
| NLM CV Corpus | x |  |  |  |  |  |
| PK Corpus | x |  |  |  |  |  |
| ONC HIGH |  | x | x | x |  |  |
| ONC NI |  |  |  | x |  |  |

**Table 2:** List of DDI sources. For each one it contains the number of drugs and DDIs that were mapped to the ATC code. It also contains the owner of each source and the version used in our project.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **No** | **of drugs** | **No of DDIs** | **Owner** | **Version** |
| Drugbank | 3.779 | | 2.255.390 | Drugbank.ca | 5.1.0 |
| KEGG | 2.963 | | 206.875 | Kanehisa laboratories | 93.0 |
| Interaktion Databasen | 932 | | 18.691 | Danish Medicine Agency | 2.7 |
| Twosides | 1.951 | | 351.647 | Nicholas Tatonetti | 11/2019 |
| NDF-RT | 1.144 | | 12.199 | Veteran health administration | 07/2014 |
| Crediblemeds | 163 | | 403 | Crediblemeds.org\* | 05/2010\*\* |
| HIV | 1.339 | | 50.138 | Liverpool University | 04/2020 |
| HEP | 1.339 | | 41.011 | Liverpool University | 03/2020 |
| CANCER | 1.021 | | 66.707 | Liverpool University | 09/2019 |
| DDI Corpus 2011 | 846 | | 4.664 | Isabel Segura - Bedmar\* | 01/2011\*\* |
| DDI Corpus 2013 | 1.307 | | 10.857 | Isabel Segura - Bedmar\* | 10/2013\*\* |
| NLM CV Corpus | 458 | | 2.861 | National Library of Medicine\* | 01/2011\*\* |
| PK Corpus | 451 | | 3.211 | Richard D.Boyce\* | 02/2013\*\* |
| ONC HIGH | 195 | | 2.865 | ONC\* | 04/2012\*\* |
| ONC NI | 509 | | 21.705 | ONC\* | 09/2012\*\* |

\* Data was obtained from the Github of the Department of Biomedical Informatics from the University of Pittsburgh [31]

\*\* As one-time updated source, version comes from the month it was published.

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