Batch mode

- Find all the NDC codes for generic packs in RxNorm
- Simple workflow

- Batch mode
  - Iterate over all the generic packs in RxNorm (GPCK)
Create workflow

[Diagram showing workflow creation process with options: RxNorm:getNDCs (Workflow) and Select Function (Build) with no function selected]
Select input and output

INPUT

Email: olivier@nlm.nih.gov

Interactive

My File  RxNorm RXCUIs

1 selected

View Data  Download Data

Batch

OUTPUT

Output Format

- XML
- JSON
- TEXT

EXECUTE

Clear  Submit Batch
```json
{
  name: "getNDCs",
  level: "0",
  input: "1246586",
  outputs: {
    output: {
      NDC: "42192011807"
    },
    output: {
      NDC: "42192013101"
    },
    output: {
      NDC: "45802034664"
    }
  }
}
{
  name: "getNDCs",
  level: "0",
  input: "866813",
  outputs: {
    output: {
      NDC: "42192070918"
    }
  }
}
{
  name: "getNDCs",
  level: "0",
  input: "1431253",
  outputs: {
    output: {
      NDC: "41250059702"
    }
  }
}
```
Examples of use cases

- Finding clinical drugs which may cause allergic reactions
- Finding interactions to RxNorm clinical drugs
- Finding NDF-RT ingredients from RxNorm clinical drugs
- Finding VA classes for RxNorm clinical dose forms
- Finding brand names from clinical drug strings

Library of common use cases integrated in RxMix
Web service composition model for the RxNorm and NDF-RT APIs

Enables an end-user to create complex queries to drug information sources (“workflows”)

Our model supports common use cases, including checking interactions for RxNorm drugs and deploying allergy lists defined in reference to drug properties in NDF-RT

RxMix: http://mor.nlm.nih.gov/RxMix/