PharmBiz

Software Vendors Workshop

Workshop: Restrictions

- Introduction/setup

- Overview of languages and tools

- Prescribing rules and restrictions in PBS XML v1.X

  - Exercises

- Prescribing rules and restrictions in PBS XML v2.3

  - Exercises

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Tools

- XSLT

  - v1.0 vs v2.0

- Databases

  - Native XML vs RDBMS

  - XQuery

Tools

- Simple applications

  - tkxsltproc

  - PPDE

- Other applications

  - XML Notepad, XML Spy, Eclipse

  - Many, many others

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PBS XML v1.X

- XML Namespace:

- http://www.health.gov.au/Schema/PBS

- Prescribing rule:

- pbs:unrestricted | pbs:restricted | pbs:authority-required

PBS XML v1.X

- Restrictions

- Only in pbs:restricted and pbs:authority-required

- pbs:indications-list/pbs:indication

- Contains:

  - pbs:code

  - pbs:authority

  - pbs:effectivity

PBS XML v1.X

- Contains (cont'd):

  - pbs:authority-method

  - pbs:label

  - pbs:note, pbs:caution

  - DocBook block elements

PBS XML v1.X

- Authority method:

  - Specifies method for obtaining an authority

  - If one restriction has method:no-contact, then all will

  - Indicates Streamlined Authority

PBS XML v1.X

- Labels:

  - Indicate shared text

  - @type = "prefix" or @type = "suffix"

PBS XML v1.X

- DocBook block elements:

  - Currently only db:para used

  - role = "legal" indicates text exclusively for Legal Instruments

  - Newlines within a paragraph element are significant

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PBS XML v2.3

- XML Namespaces:

  - http://schema.pbs.gov.au

  - http://schema.pbs.gov.au/RWT/

PBS XML v2.3

- Prescribing rules:

  - pbs:unrestricted
    pbs:restricted
    pbs:authority-required

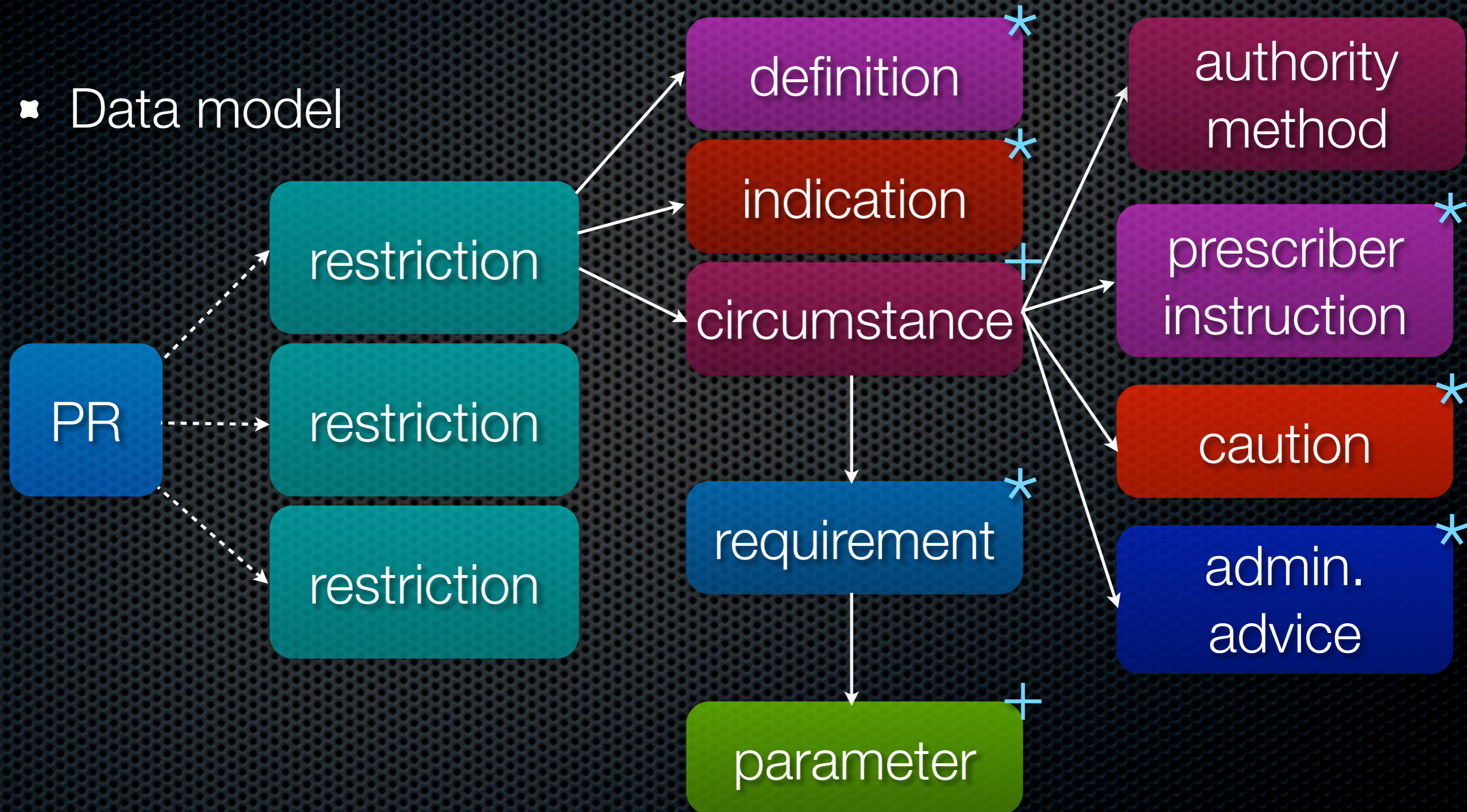 - Different types of PRs:

    - pbs:ready-prepared

PBS XML v2.3

- Restrictions Wording Tool (RWT)

  - rwt:restriction-references-list/rwt:restriction-reference

- Hyperlink to restriction data

  - xlink:href

PBS XML v2.3

* Dual representation:
  * RWT for structured data
  * DocBook for unstructured text
    * rwt:alternate-text

PBS XML v2.3

PBS XML v2.3

* Requirements and parameters

treatment
- location
- prescriber
- care type

population
- age
- sex
- other

clinical
- condition
- patient
- treatment

PBS XML v2.3

- Restrictions are disjunctive

- Requirements are conjunctive

- Parameters are disjunctive

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