### Table 1. Examples of Data Fields Used in Profiles (by Category)

<table>
<thead>
<tr>
<th>Category</th>
<th>Data Fields</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demographic Data</td>
<td>Date of Birth Recorded, Age, Gender, Date of birth, Death recorded, Other demographic data</td>
</tr>
<tr>
<td>Physician &amp; Specialty ID</td>
<td>Diagnosis data, Diagnosis coded (coding systems), Max. number of codes, Physical exam findings, Environmental exposure, Behavioral data elements</td>
</tr>
<tr>
<td>Drug Information</td>
<td>Diagnosis data, Procedures coded (coding systems), Laboratory information, Drug data, Drug dosage, Drug coding system(s), Additional drug information</td>
</tr>
<tr>
<td>Core Data Fields</td>
<td>Date of last update, Regional and disease-specific registers joined together in such a registry, Diagnosis data, Procedures coded (coding systems), Laboratory information, Additional data fields, Data still being collected</td>
</tr>
</tbody>
</table>

### BOX 3

#### Comparison among Profiles on Frequency of Data Use

- Core Data Fields: 35 data fields with similar frequency of use among the registries, and 33 Additional Data Fields present in some registries with birth defect data.

### RESULTS

#### Figure 2. Criteria-based search conducted in www.bridgetodata.org for registries collecting birth defect data (131 Database Profiles worldwide as of August 4, 2011)

- **Box 1:** 88 profiles matched at least one criterion (see Figure 2): 12 (Registry and Birth Defect Data = Yes) (Figure 1).
- **Box 2:** Eighty-eight (88) profiles matched at least one criterion (Figure 2).
- **Box 3:** Each of the 75 data fields used in B.R.I.D.G.E. TO DATA® structured profiles was compared among the 9 registries (Table 1).
- **Box 4:** For each profile, frequency counts of data field usage in the registry (e.g., Date of Birth captured or not) were obtained.
- **Box 5:** Data fields were grouped based on the frequency of usage among the 9 registries with birth defect data.
- **Box 6:** The categories were grouped as: 35 Core Data Fields with similar frequency of use among the registries, and 33 Additional Data Fields present in some registries with birth defect data.

### LIMITATIONS

This analysis was done using registries currently profiled within B.R.I.D.G.E. TO DATA®. More profiles of data sources are continually being added to this resource.

### CONCLUSION

The online resource, www.bridgetodata.org, is a useful tool to identify pertinent core data fields common to registries that collect birth defect data. This resource may serve as a guide when designing such registries.
An Analysis of Registries with Birth Defect Data Using an Online Database Resource


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