The Online Forum Curriculum for Improving Education Data was developed by the National Forum on Education Statistics. The Forum is an entity of the National Cooperative Education Statistics System, which was established by the National Center for Education Statistics. Publications of the Forum do not undergo the same formal review required for products of NCES. The information and opinions published here are those of the National Forum on Education Statistics and do not necessarily represent the policy or views of the U.S. Department of Education or the National Center for Education Statistics.
Flow of Education Data Model

- Entry
  - Food Service System
  - Personnel System
  - Student Attendance Information System
  - Survey and Other Data System
  - Assessments

- Program evaluation, funding decisions, school & district report card

- Data with State
  - State subsidy, funding decisions, program evaluation

- To federal programs

- To state

- Key:
  - Data production
  - Data Analysis
  - Other activities

Improving Education Data Part 2 – Coordinating Quality Data

Data Flow for Attendance Data

- Entry
  - Attendance Sheet

- Data entered in each building flow to central server

- Superintendent analyzes attendance report

- Superintendent and Principals decide to expand wellness program

- Administrative Assistant enters data from sheets into attendance system

- Analysis of data

- Adjusting curricular, instructional, and program decisions

- Key:
  - Data production
  - Data Analysis
  - Other activities

Data Cycle for Attendance Data

<table>
<thead>
<tr>
<th>Time in Cycle</th>
<th>Event/Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily</td>
<td>Teacher, building office staff enter attendance data</td>
</tr>
<tr>
<td>1st Monday of month</td>
<td>Attendance report to principals by grade, to homeroom teachers by student</td>
</tr>
<tr>
<td>3rd day after end of marking period</td>
<td>Attendance summaries on report cards, report to teachers by student</td>
</tr>
<tr>
<td>Lost day of each semester</td>
<td>Attendance report to superintendent, by building</td>
</tr>
<tr>
<td>August 15-18</td>
<td>Summary of previous year’s attendance data to state</td>
</tr>
<tr>
<td>August 25-31</td>
<td>State sends attendance data to federal government</td>
</tr>
</tbody>
</table>

Improving Education Data Part 2 – Coordinating Quality Data
Multiple Data Flows and Cycles

Course Enrollment
- Grades
- Scheduling
- Attendance
- Revenue

Extracurricular Participation
- Discipline

Components of Quality Data
- Accuracy
  - data flow identifies where errors can enter, how errors can be corrected
- Security
  - data flow identifies points of access, who accesses data
- Utility
  - data flow ensures right data reaches right person, data cycle ensures delivery of related data simultaneously
- Timeliness
  - the data cycle is complete by the appropriate deadline