Who is Election Data Services, Inc.?

Since 1986, we’ve been on your wall.

In 2010/11 you’ll need a larger wall.
Who is Election Data Services, Inc.?

Since 1979, more than half the nation has been helped by Election Data Services in redistricting.
Who is Election Data Services, Inc.?

Since 1980, kept track of what voting equipment is used in every county of the nation.
Who is Election Data Services, Inc.?

If it concerns elections,
And it deals with data ... 

We're probably involved
Cameras do not make the pictures, Photographers do
What does Photography have to do with Redistricting?

A wise man once said:

“Computers are just a tool.”

George Meier
Staff Director,
Florida House Redistricting Cmte.

“Software can’t create a plan,
Humans do”
Who has built their state’s database already, or know it’s done?

- Have you loaded the new TIGER files yet?
  - Checked the precincts submitted to Bureau are accurate?

- What Election data will you have?
  - 2010?
  - And 2008?
  - And 2006?
  - And 2004?
  - And 2002?

- Do you have the precinct maps for each of your elections, or know when changes have occurred?
The Election Process – From a data prospective

- Total Population
- Voting Age Population
- Citizen Voting Age Population
- Registration
- Turnout
- Votes for President
- Other Statewide Offices
- Congressional
- State Legislature
Turn-out

- Still don’t know total number of people who participated in 2004 general election.
  - Definitions of turn-out, ballots cast, ballots counted.

  **903 Jurisdictions in 21 states**

  have same number of people turning out,

  as that voted for President of the US
Turnout Equal to Vote for President

Equals President Total

Results of the U.S. Election Assistance Commission
2024 Election Day Surveys released 8/27/2020
Obtain the full report at www.eac.gov
Drop-off (or Residual Votes)

Year

Drop-Off Rate
Databases have multiple purposes

First –

Plan Drawing

Redistricting software needs data down at the lowest geographic area, so that any group of areas can be added together for a district.

Means data needs to be disaggregated
All Numeric Data to Block Level

Geographic Level

County

Precinct

Block Group

Block

Address

Election Returns

ACS Data Census Survey

Block VAP/Precinct VAP

Block VAP/BG VAP

Precinct Assignment

Voter Registration System

Population Data (PL94-171)
Databases have multiple purposes

Second –

Analysis

Racial Bloc Voting studies
Mapping of results
Proportionality studies
# Race Data -- Decision on use

<table>
<thead>
<tr>
<th></th>
<th>American</th>
<th>Hispanic</th>
<th>TOTAL PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>White</td>
<td>Black</td>
<td>Indian &amp; Alaska</td>
</tr>
<tr>
<td>Total Population</td>
<td></td>
<td></td>
<td>Native</td>
</tr>
<tr>
<td>Race Alone</td>
<td>41.97%</td>
<td>36.77%</td>
<td>0.36%</td>
</tr>
<tr>
<td>Non Hispanic Race Alone</td>
<td>31.32%</td>
<td>36.39%</td>
<td>0.15%</td>
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<tr>
<td>Race Combined (Max)</td>
<td>44.28%</td>
<td>37.44%</td>
<td>0.72%</td>
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<tr>
<td>Non Hispanic Race Combined (Max)</td>
<td>32.57%</td>
<td>36.88%</td>
<td>0.40%</td>
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<td>Race Combined (OMB)</td>
<td>41.97%</td>
<td>37.00%</td>
<td>0.47%</td>
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<tr>
<td>Non Hispanic Race Combined (OMB)</td>
<td>31.32%</td>
<td>36.57%</td>
<td>0.23%</td>
</tr>
</tbody>
</table>

|                     |       |       |                 |       |                           |                |                |         |         |
| Voting Age Population |       |       |                 |       |                           |                |                |         |         |
| Race Alone           | 46.22%| 34.09%| 0.33%          | 4.79%| 0.06%                      | 11.86%          | 2.65%           | 100.00%      |
| Non Hispanic Race Alone | 36.72%| 33.77%| 0.15%          | 4.75%| 0.03%                      | 0.14%           | 1.60%           | 22.83%       | 100.00%      |
| Race Combined (Max)  | 48.32%| 34.62%| 0.68%          | 5.24%| 0.16%                      | 13.76%          | 0.00%           | 102.78%      |
| Non Hispanic Race Combined (Max) | 37.93%| 34.19%| 0.41%          | 5.15%| 0.09%                      | 1.09%           | 0.00%           | 22.83%       | 101.69%      |
| Race Combined (OMB)   | 46.22%| 34.24%| 0.44%          | 5.01%| 0.08%                      | 13.36%          | 0.00%           | 99.35%       |
| Non Hispanic Race Combined (OMB) | 36.72%| 33.88%| 0.23%          | 4.95%| 0.05%                      | 0.86%           | 0.00%           | 22.83%       | 99.53%       |
## Practical impact

### Seat Distribution, 50 member legislature

<table>
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<tr>
<th></th>
<th>White</th>
<th>Black</th>
<th>American Indian &amp; Alaska Native</th>
<th>Asian</th>
<th>Hawaiian &amp; Pacific Islander</th>
<th>Some Other Race</th>
<th>Two or More Races</th>
<th>TOTAL</th>
<th>Hispanic</th>
<th>TOTAL PERCENT</th>
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<tbody>
<tr>
<td>Total Population</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Race Alone</td>
<td>20.98</td>
<td>18.39</td>
<td>0.18</td>
<td>2.17</td>
<td>0.03</td>
<td>6.79</td>
<td>1.46</td>
<td>50.00</td>
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<tr>
<td>Non Hispanic Race Alone</td>
<td>15.66</td>
<td>18.19</td>
<td>0.07</td>
<td>2.15</td>
<td>0.02</td>
<td>0.07</td>
<td>0.82</td>
<td>13.01</td>
<td>0.00</td>
<td>50.00</td>
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<td>22.14</td>
<td>18.72</td>
<td>0.36</td>
<td>2.43</td>
<td>0.08</td>
<td>7.81</td>
<td>0.00</td>
<td>50.00</td>
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<td>Non Hispanic Race Combined (Max)</td>
<td>16.29</td>
<td>18.44</td>
<td>0.20</td>
<td>2.37</td>
<td>0.04</td>
<td>0.52</td>
<td>0.00</td>
<td>13.01</td>
<td>0.00</td>
<td>50.00</td>
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<tr>
<td>Race Combined (OMB)</td>
<td>20.98</td>
<td>18.50</td>
<td>0.24</td>
<td>2.30</td>
<td>0.04</td>
<td>7.58</td>
<td>0.00</td>
<td>50.00</td>
<td></td>
<td></td>
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<tr>
<td>Non Hispanic Race Combined (OMB)</td>
<td>15.66</td>
<td>18.28</td>
<td>0.11</td>
<td>2.26</td>
<td>0.02</td>
<td>0.41</td>
<td>0.00</td>
<td>13.01</td>
<td>0.00</td>
<td>50.00</td>
</tr>
</tbody>
</table>

### Voting Age Population

|                        |       |       |                                 |        |                            |                 |                  |       |          |               |
|------------------------|-------|-------|---------------------------------|        |                            |                 |                  |       |          |               |
| Race Alone             | 23.11 | 17.04 | 0.16                            | 2.40   | 0.03                       | 5.93            | 1.32             | 50.00 |          |               |
| Non Hispanic Race Alone| 18.36 | 16.89 | 0.07                            | 2.37   | 0.02                       | 0.07            | 0.80             | 11.42 | 0.00     | 50.00         |
| Race Combined (Max)    | 24.16 | 17.31 | 0.34                            | 2.62   | 0.08                       | 6.88            | 0.00             | 50.00 |          |               |
| Non Hispanic Race Combined (Max) | 18.96 | 17.09 | 0.20                            | 2.58   | 0.05                       | 0.55            | 0.00             | 11.42 | 0.00     | 50.00         |
| Race Combined (OMB)    | 23.11 | 17.12 | 0.22                            | 2.50   | 0.04                       | 6.68            | 0.00             | 50.00 |          |               |
| Non Hispanic Race Combined (OMB) | 18.36 | 16.94 | 0.12                            | 2.48   | 0.02                       | 0.43            | 0.00             | 11.42 | 0.00     | 50.00         |
Database Lessons Learned .... The Hard Way

• Don't design and build the plane as it's rolling down the runway.
• Start planning now.
• The sooner you get behind, the longer you have to catch-up
• An error here, can sink your whole ship
• Database building – The most important activity of whole process
Lessons Learned the Hard Way

- Have to plan your process as if you’ll ultimately be in court.
  - Are you prepared to turn over your data to other side?
  - Will it withstand scrutiny?
  - Does everything add up to what was certified?
    - Document discrepancies

Database building –

*The most important activity of the whole process*
Thank you

Kimball Brace
President
Election Data Services, Inc.
6171 Emerywood Court
Manassas, VA 20112
(703-580-7267 or 202-789-2004)
KBrace@electiondataservices.com or KBrace@aol.com
www.electiondataservices.com