

## Chapter 10 Voting Machines

Table 10 presents the results of the Election Day Survey on numbers of voting machines and methods for tabulating ballots. Information on ballot tabulation methods—i.e., whether ballots are counted in each precinct or at a central site—was not requested by the survey, but was included by several states in their responses to question 13. For the other states, the appropriate ballot-tabulation method was determined from information about the voting equipment hardware. For example, if a jurisdiction specified “ES&S Model 100” as the type of voting equipment used, information from the manufacturer was used to determine that ES&S Model 100 is a “precinct-based, voter-activated paper ballot counter and vote tabulator.”<sup>1</sup>

The importance of where ballots are counted surfaced after the 2000 Florida debacle when studies, including those done by Election Data Services, found that voting systems that required the ballots be taken to a central location to be tallied had nearly five times the error rate as the same system that allowed the ballots to be counted in the precinct. This is because in-precinct tallying systems allowed the voter to feed his ballot into the machine and immediately be notified if he had overvoted an office. Since the ballot was kicked out of the tallying system immediately, this allowed a voter to correct his ballot and resubmit it. As a result, error rates dropped fivefold for in-precinct tallying systems.

The only voting methods that allow an overvote to occur, and for which in-precinct-tallying systems would help prevent, are punch cards, paper ballots, and optical scan ballots. If programmed and set up correctly, lever machines and electronic voting systems have safeguards that are designed to prevent a voter from invalidating their ballot through an overvote. As noted above, Election Data Services attempted to code the tallying process for punch card and optical scan systems as either in-precinct or central count, depending upon the actual model of voting system used, if reported. Since in-precinct or central tallying was not asked by the U.S. Election Assistance Commission (EAC), it is impossible to code paper ballot jurisdictions similarly.

### Applicability and Coverage

Only about 20 states provided information on the number of voting machines in use. The following states did not provide any information on the number of units used in a jurisdiction, which made it impossible to perform all the calculations initially intended for this chapter: Alabama, Colorado, Connecticut, District of Columbia, Georgia, Indiana, Maine, Minnesota, Missouri, New Hampshire, North Dakota, Rhode Island, South Carolina, South Dakota, Tennessee, Utah, Vermont, Washington, and Wisconsin. Information on the process for ballot tabulation is complete for only nine states. In the survey follow-up review, state election directors were asked to update the “in-precinct” versus “central-count” information for voting equipment in use, but only a few states provided this information.

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<sup>1</sup> Election Systems & Software, *Product Overview, Model 100 Precinct Ballot Counter* (Omaha, Neb.: nd).

The lack of information on number of units prevents any calculations from being made showing the average number of units per precinct and/or polling place. Misunderstandings about what was asked for also caused unusual numbers to be calculated. For example, in Illinois, the state asked the counties for the “Number of units of voting equipment (tabulators)” and “has the voting system previously been used in a Federal election” while the EAC defined its request for the “number of units used in the county (and/or precinct, if available).” The intent of the question for punch card systems, and the responses from most states, dealt with the number of actual voting devices used by the county, not the number of counters used. If a responding jurisdiction assumed number of counters was the question, then the calculation of average number of units per precinct or polling place would quite naturally drop below one per precinct.

On the other hand, for optical scan systems, it is quite possible that jurisdictions looked at the tabulators as the number to provide, and therefore, there are far more instances of fewer than one device per precinct. Electronic and lever machines do not present this apparent confusion, and therefore average number of units per precinct fall into an acceptable and understandable range. This chapter was intended to seek to answer the question of whether long lines might have been caused by too few polling booths. However, because of the survey confusion, answers are not possible at this time.

## Survey Results

Table 10 presents more detailed data on voting machines from question 13 on the Election Day Survey. The table contains several calculations involving the six different types of voting equipment (including multiple systems) based on usage by jurisdictions, precincts, and polling places. The column headings in Table 10 are as follows:

**Table 10 Column Headings. Voting Machines**

Col.	Heading	Description
1	Code	State census code
2	Name	Respondent to Election Day Survey
3	Jurisdiction	Number of local election jurisdictions from survey question 22
4	2004 Total Registration	Number of active and inactive registered voters, number of persons who voted on Election Day in six states, and VAP data for North Dakota and jurisdictions in Wisconsin that do not have voter registration, from col. 4 of table 2
5	Precincts	Number of precincts from survey question 19
6	Cases	Number of jurisdictions that responded to question 19
7	Polling Places	Number of polling places from survey question 20
8	Cases	Number of jurisdictions that responded to question 20

**Table 10 Column Headings (cont.)**

<b>Col.</b>	<b>Heading</b>	<b>Description</b>
9	Number of Juris. Using Punch card Equipment	Number of jurisdictions that responded to survey question 13 and reported the use of punch cards
10	Number of Units, Punch card	Number of jurisdictions that responded to question 13 and reported the number of punch card units
11	Cases	Number of jurisdictions that responded to question 13 and reported the use of punch cards and the number of units
12	Average # of Units per Precinct, Punch card	Number of punch card units (col. 10) divided by the number of precincts (col. 5)
13	Cases	Number of jurisdictions that responded to questions 13 and 19
14	Average # of Units per Polling Place, Punch card	Number of punch card units (col. 10) divided by the number of polling places (col. 7)
15	Cases	Number of jurisdictions that responded to questions 13 and 20
16	Number of Juris. with In-Precinct Counting, Punch card	Number of jurisdictions that responded to question 13 and reported a precinct ballot tabulation method or other information from which the ballot tabulation method could be determined
17	Number of Juris. with Central Counting, Punch card	Number of jurisdictions that responded to question 13 and reported a central ballot tabulation method or other information from which the ballot tabulation method could be determined
18	Number of Juris. Using Optical Scan Equipment	Number of jurisdictions that responded to survey question 13 and reported the use of optical scan equipment
19	Number of Units, Optical Scan	Number of jurisdictions that responded to question 13 and reported the number of optical scan units
20	Cases	Number of jurisdictions that responded to question 13 and reported the use of optical scan equipment and the number of units
21	Average # of Units per Precinct, Optical Scan	Number of optical scan units (col. 19) divided by the number of precincts (col. 5)
22	Cases	Number of jurisdictions that responded to questions 13 and 19
23	Average # of Units per Polling Place, Optical Scan	Number of optical scan units (col. 19) divided by the number of polling places (col. 7)
24	Cases	Number of jurisdictions that responded to questions 13 and 20
25	Number of Juris. with In-Precinct Counting, Optical Scan	Number of jurisdictions that responded to question 13 and reported a precinct ballot tabulation method or other information from which the ballot tabulation method could be determined
26	Number of Juris. with Central Counting, Optical Scan	Number of jurisdictions that responded to question 13 and reported a central ballot tabulation method or other information from which the ballot tabulation method could be determined
27	Number of Juris. Using Electronic Equipment	Number of jurisdictions that responded to survey question 13 and reported the use of electronic voting equipment

**Table 10 Column Headings (cont.)**

<b>Col.</b>	<b>Heading</b>	<b>Description</b>
28	Number of Units, Electronic	Number of jurisdictions that responded to question 13 and reported the number of units of electronic voting equipment
29	Cases	Number of jurisdictions that responded to survey question 13 and reported the use of electronic equipment and the number of units
30	Average # of Units per Precinct, Electronic	Number of units of electronic voting equipment (col. 28) divided by the number of precincts (col. 5)
31	Cases	Number of jurisdictions that responded to questions 13 and 19
32	Average # of Units per Polling Place, Electronic	Number of units of electronic voting equipment (col. 5) divided by the number of polling places (col. 7)
33	Cases	Number of jurisdictions that responded to questions 13 and 20
34	Number of Juris. Using Lever Machines	Number of jurisdictions that responded to survey question 13 and reported the use of mechanical lever machines
35	Number of Units, Lever Machines	Number of jurisdictions that responded to question 13 and reported the number of lever machines
36	Cases	Number of jurisdictions that responded to survey question 13 and reported the use of and the number of lever machines
37	Average # of Units per Precinct, Lever	Number of lever machines (col. 35) divided by the number of precincts (col. 5)
38	Cases	Number of jurisdictions that responded to questions 13 and 19
39	Average # of Units per Polling Place, Lever	Number of lever machines (col. 35) divided by the number of polling places (col. 7)
40	Cases	Number of jurisdictions that responded to questions 13 and 20
41	Number of Juris. Using Paper ballots	Number of jurisdictions that responded to survey question 13 and reported the use of paper ballots
42	Number of Units, Paper ballots	Number of jurisdictions that responded to question 13 and reported the number of paper ballots
43	Cases	Number of jurisdictions that responded to survey question 13 and reported the use of and the number of paper ballots
44	Average # of Units per Precinct, Paper Ballots	Number of paper ballots (col. 42) divided by the number of precincts (col. 5)
45	Cases	Number of jurisdictions that responded to questions 13 and 19
46	Average # of Units per Polling Place, Paper	Number of paper ballots (col. 42) divided by the number of polling places (col. 7)
47	Cases	Number of jurisdictions that responded to questions 13 and 20
48	Number of Juris. Using Mixed equipment	Number of jurisdictions that responded to survey question 13 and reported the use of mixed voting equipment
49	Number of Units, Mixed equipment	Number of jurisdictions that responded to question 13 and reported the number of mixed voting equipment
50	Cases	Number of jurisdictions that responded to survey question 13 and reported the use of and the number of mixed equipment

**Table 10 Column Headings (cont.)**

<b>Col.</b>	<b>Heading</b>	<b>Description</b>
51	Average # of Units per Precinct, Mixed	Number of mixed equipment (col. 49) divided by the number of precincts (col. 5)
52	Cases	Number of jurisdictions that responded to questions 13 and 19
53	Average # of Units per Polling Place, Mixed	Number of mixed equipment (col. 49) divided by the number of polling places (col. 7)
54	Cases	Number of jurisdictions that responded to questions 13 and 20
55	Number of Juris. Using Unknown equipment	Number of jurisdictions that responded to survey question 13 and reported the use of unknown voting equipment
56	Number of Units, Unknown equipment	Number of jurisdictions that responded to question 13 and reported the number of unknown voting equipment
57	Cases	Number of jurisdictions that responded to survey question 13 and reported the use of and the number of unknown equipment
58	Average # of Units per Precinct, Unknown	Number of unknown equipment (col. 56) divided by the number of precincts (col. 5)
59	Cases	Number of jurisdictions that responded to questions 13 and 19
60	Average # of Units per Polling Place, Unknown	Number of unknown equipment (col. 56) divided by the number of polling places (col. 7)
61	Cases	Number of jurisdictions that responded to questions 13 and 20

## Analysis of Survey Results

The following is our analysis of the data in Table 10 for each of the 18 cross-tabulation factors described earlier in this report. A description of each factor follows a general summary and a state-level summary of the survey data.

- |  |   |
|--|---|
| 1) Regions                                     | 10) Changed Voting Equipment since 2000   |
| 2) Urban to Rural                              | 11) Statewide Voter Registration Database |
| 3) Size of Jurisdiction                        | 12) Election Day Registration             |
| 4) Race and Ethnicity                          | 13) Provisional Ballot Acceptance         |
| 5) Median Income                               | 14) No Excuse Absentee Balloting          |
| 6) High School Education                       | 15) Early Voting                          |
| 7) Section 203 Language Minority Requirements  | 16) Battleground States                   |
| 8) Section 5 Preclearance of Voting Procedures | 17) Presidential Margin of Victory        |
| 9) Type of Voting Equipment                    | 18) Red versus Blue Jurisdictions         |

This analysis is based only on data that was *reported* to the EAC on the Election Day Survey. Many state responses to a survey question or part of a question did not cover all local election jurisdictions. In Table 10 as well as other tables in this report, a jurisdiction was excluded from a statistical calculation if its response was missing for one or more of the data items (i.e., columns) used in the calculation. A column labeled “Cases” next to each statistical calculation shows the number of jurisdictions covered by that calculation.

### Summary

The lack of complete, or even near complete, data on machines and number of units makes any kind of meaningful analysis somewhat questionable. Only one-third of the punch card jurisdictions provided any data on number of units, and much of that data was probably incorrectly reported anyway. Fewer than half of the optical scan, lever, and electronic system jurisdictions reported the number of units used.

With those limitations in mind, we have calculated that electronic system jurisdictions average three devices per precinct and slightly over five devices per polling place. The highest ratio of machines per location occurred in the state of Maryland, where between nine and 10 devices were used.

Due to the high cost of lever machines, they average only 1.5 machines per precinct and slightly over three machines per polling place. The maximum number per precinct and polling place occurred in North Carolina and Wyoming, with slightly more than three and six per precinct, respectively.

Of the data reported, 90 percent of the punch card jurisdictions in this country utilize a central-count tallying process. On the other hand, 61 percent of optical scan jurisdictions use a precinct-based tallying process.

### States

See state information in summary above.

### Regions

For optical scan usage, only jurisdictions in the West reported more central-count operations. All other regions used more precinct-count operations.

### *Urban to Rural*

Rural areas of the nation that use optical scan systems are much more likely to use a central-count tallying process. Not surprisingly, these are some of the older models of optical scan systems, since the rural Midwest is where optical scan devices were first used as an easier way to tally paper ballots.

### *Size of Jurisdiction*

The larger a jurisdiction the more likely they are to have more electronic or lever machines per polling location. The largest jurisdictions average four to six voting machines per polling location, but smaller jurisdictions average just two machines per location.

### *Race and Ethnicity*

In those jurisdictions using optical scan systems, 62 percent of the predominantly White jurisdictions use precinct-based tallying systems. On the other hand 86 percent of the predominantly Hispanic jurisdictions using optical scan devices use the central-count tallying process. Predominantly African American jurisdictions that use optical scan systems are fairly evenly split between central- and precinct-tallying processes.

### *Median Income*

In optical scan jurisdictions, the higher the median income of a community the less likely they are to use a centrally located tallying process.

### *High School Education*

The higher the education levels, the more likely optical scan jurisdictions are using precinct-based tallying technology.

### *Section 203 Language Minority Requirements*

Optical scan jurisdictions subject to Section 203 minority language requirements of the Voting Rights Act are over twice as likely to be operating a central-count tallying system.

### *Section 5 Preclearance of Voting Procedures*

Optical scan jurisdictions subject to Section 5 of the Voting Rights Act are more likely to be operating a central-count tallying system, while non-Section 5 jurisdictions are twice as likely to be tallying their ballots in the precinct.

### *Type of Voting Equipment*

Not Applicable.

### *Changed Voting Equipment since 2000*

Jurisdictions that changed their voting system in the last four years and went to the optical scan system are more than four times as likely to adopt a precinct-based tallying system.

### *Statewide Voter Registration Database*

No real patterns are discernible in this subcategory.



*Election Day Registration*

No real patterns are discernible in this subcategory.

*Provisional Ballot Acceptance*

No real patterns are discernible in this subcategory.

*No Excuse Absentee Balloting*

No real patterns are discernible in this subcategory.

*Early Voting*

No real patterns are discernible in this subcategory.

*Battleground States*

Perhaps anticipating the increased turnout in battleground states, all voting system jurisdictions showed a larger number of units per polling location than in nonbattleground states.

*Presidential Margin of Victory*

For both punch card and electronic voting jurisdictions, there appears to be a slight trend toward more machines per polling location the closer the margin of victory in the 2004 presidential election.

*Red versus Blue Jurisdictions*

No real patterns are discernible in this subcategory.





Voting Machines

EAC Election Day Survey																									
Voting Machines 2004 General Election																									
Updated: 09/19/2005 13:07:31		Punchcard Voting Equipment (including Datavote)														Optical Scan Voting Equipment									
Code	Name	Election Administration Jurisdictions	2004 Total Registration	Precincts	Cases	Polling Places	Cases	Number of Juris		Average # of Units		Number of Juris with		Number of Juris		Average # of Units		Number of Juris with							
								Using	Units	Per Precinct	Per Cases	In-Precinct	Central	Using	Units	Per Precinct	Per Cases	In-Precinct	Central	Counting	Counting				
<b>Election Administration</b>																									
<b>Voting Equipment Used in 2004 General Election</b>																									
	None / Unknown	908	14,484,493	13,552	252	9,699	558																		
	Punch card	260	15,767,547	19,745	248	12,985	231	260	45,822	95	2.3	248	3.5	231	18	68									
	Lever	394	21,662,619	20,301	199	10,789	365																		
	Paper	1,734	3,085,167	5,704	1,573	3,416	1,183																		
	Optical scan	2,541	69,198,628	69,370	2,405	46,265	2,185							2,541	37,167	1190	0.5	2405	0.8	2182	1174	584			
	Electronic	608	40,068,685	35,273	599	24,219	557																		
	Multiple Systems	123	12,997,891	10,307	120	6,381	101																		
<b>Changed Voting Equipment Since 2000 General Election</b>																									
	Yes	1,753	51,149,755	46,241	1,296	31,649	1,269	1				1		1			624	10,641	164	0.5	577	0.7	524	236	53
	No	4,815	126,115,275	128,011	4,100	82,105	3,911	259	45,822	95	2.3	247	3.5	230	18	68	1,917	26,526	1026	0.6	1828	0.8	1658	937	531
<b>State Wide Voter Registration System in Place</b>																									
	Yes	1,335	37,384,852	33,575	1,153	20,815	1,133	24	2,191	17	2.3	24	10.4	11			555	10,586	431	0.8	555	1.3	457	456	46
	No	5,233	139,880,178	140,677	4,243	92,939	4,047	236	43,631	78	2.3	224	3.4	220	18	68	1,986	26,581	759	0.5	1850	0.7	1725	717	538
<b>Election Day Registration</b>																									
	Yes	2,823	10,323,368	9,704	1,924	3,794	1,663	19	4,064	19	7.2	19	9.6	19	15		848	207	25	0.0	750	0.1	575	252	62
	No	3,745	166,941,662	164,548	3,472	109,960	3,517	241	41,758	76	2.2	229	3.3	212	18	53	1,693	36,960	1165	0.6	1655	0.8	1607	921	522
<b>Provisional Ballot Acceptance</b>																									
	In Overall Jurisdiction	1,162	65,077,741	65,986	1,080	44,212	1,070	113	16,533	29	1.4	101	2.2	98	10	39	454	14,123	252	0.4	428	0.7	424	232	128
	In Precinct Only	4,350	103,336,604	100,295	3,504	66,513	3,902	133	25,592	52	3.4	133	5.1	119	8	14	1,758	23,014	924	0.7	1740	1.0	1696	723	389
	None	1,056	8,850,685	7,971	812	3,029	208	14	3,697	14	7.8	14	9.7	14	15		329	30	14	0.0	237	0.0	62	218	67
<b>No Excuse Absentee Balloting</b>																									
	Yes	3,781	64,333,790	70,535	3,106	47,225	2,922	73	12,433	36	2.4	72	4.7	69	6	15	1,408	23,808	480	0.6	1399	0.9	1279	559	232
	No	2,787	112,931,240	103,717	2,290	66,529	2,258	187	33,389	59	2.3	176	3.2	162	12	53	1,133	13,359	710	0.5	1006	0.7	903	614	352
<b>Early Voting Allowed</b>																									
	Yes	1,701	73,710,075	69,882	1,683	51,609	1,618	85	17,679	55	4.7	84	7.7	70	8	23	845	24,944	631	0.7	842	0.9	811	401	381
	No	4,867	103,554,955	104,370	3,713	62,145	3,562	175	28,143	40	1.8	164	2.6	161	10	45	1,696	12,223	559	0.4	1563	0.7	1371	772	203
<b>Covered By Section 203, Language Minority Requirements</b>																									
	Yes	468	50,756,496	54,051	443	36,098	443	27	15,330	25	2.2	26	3.2	24	2	11	251	10,319	207	0.4	247	0.6	247	71	162
	No	6,100	126,508,534	120,201	4,953	77,656	4,377	233	30,492	70	2.4	222	3.7	207	16	57	2,290	26,848	983	0.6	2158	0.9	1935	1102	422
<b>Covered By Section 5 of Voting Rights Act</b>																									
	Yes	880	40,868,855	32,976	855	25,680	803	27	8,388	26	7.8	27	8.7	26	10	14	353	6,533	249	0.4	338	0.5	329	156	193
	No	5,688	136,396,175	141,276	4,541	88,074	4,377	233	37,434	69	2.0	221	3.1	205	8	54	2,188	30,634	941	0.6	2067	0.9	1853	1017	391

Voting Machines

EAC Election Day Survey		Voting Machines 2004 General Election																									
Updated: 09/19/2005 13:07:31		Punchcard Voting Equipment (including Datavote)										Optical Scan Voting Equipment															
Code	Name	Election Administration Jurisdictions	2004 Total Registration	Precincts	Cases	Polling Places	Cases	Number of Juris. Using		Average # of Units		Number of Juris with		Number of Juris. Using		Average # of Units		Number of Juris with									
								of Juris.	Units	Per Precinct	Per Cases	Per Precinct	Per Cases	Per Precinct	Per Cases	Per Precinct	Per Cases	Per Precinct	Per Cases	Per Precinct	Per Cases	Per Precinct	Per Cases				
<b>Demographics</b>																											
<b>Region</b>																											
	<b>Northeast</b>	1,710	34,273,670	25,068	1,230	13,219	882	11	2,940	6					612	2,158	288	0.7	496	1.1	382	429	16				
	<b>South</b>	1,423	62,606,676	48,810	1,408	37,805	1,302	88	11,256	38	4.5	68	6.7	55	15	14	568	12,699	452	0.7	557	0.9	520	319	249		
	<b>Midwest</b>	2,902	44,048,138	55,993	2,243	35,954	2,490	113	20,646	20	1.7	113	2.3	112	3	39	1,135	7,798	304	0.3	1128	0.6	1060	328	212		
	<b>West</b>	420	33,845,684	42,675	404	25,052	395	68	10,980	31	2.2	67	4.5	64	15		226	14,512	146	0.6	224	0.9	220	97	107		
	<b>Territories</b>	113	2,490,862	1,706	111	1,724	111																				
<b>Urban to Rural</b>																											
	<b>Urban</b>	567	63,441,314	60,394	445	36,556	523	10	16,806	6	2.0	10	3.0	10	5	1	330	8,107	130	0.5	324	0.8	315	189	7		
	<b>Suburban</b>	871	47,552,530	37,906	639	25,451	715	24	14,853	12	4.0	23	6.7	21	4	3	372	10,235	183	0.6	339	0.8	305	226	22		
	<b>Small Towns</b>	1,710	44,193,768	41,994	1,421	28,085	1,283	99	10,591	35	2.3	89	3.4	79	5	21	706	7,893	298	0.5	638	0.7	532	377	119		
	<b>Rural</b>	3,307	19,586,556	32,252	2,780	21,938	2,548	127	3,572	42	1.2	126	1.7	121	4	43	1,133	10,932	579	0.6	1104	0.9	1030	381	436		
	<b>Not Available - Territories</b>	113	2,490,862	1,706	111	1,724	111																				
<b>Size of Jurisdiction (VAP)</b>																											
	<b>&lt; 1,000</b>	1,761	895,006	2,118	1,229	1,350	1,169	1	2	1							209	1	1	0.0	199	0.0	197	24	1		
	<b>&gt;=1,000 to &lt;3,500</b>	1,165	2,182,148	2,558	893	1,976	850	3	36	2	0.9	3	2.6	2			461	270	73	0.2	429	0.3	383	152	25		
	<b>&gt;=3,500 to &lt;10,000</b>	1,043	5,966,645	8,343	902	5,891	873	35	453	9	0.9	35	1.2	35	1	14	660	2,615	319	0.5	615	0.8	536	305	162		
	<b>&gt;=10,000 to &lt;50,000</b>	1,704	31,472,681	35,443	1,554	25,830	1,508	144	4,113	44	1.1	140	1.5	129	6	39	894	7,750	567	0.4	857	0.6	779	478	307		
	<b>&gt;=50,000 to &lt;250,000</b>	586	48,992,270	41,344	545	28,105	516	62	15,730	30	3.0	56	4.8	51	7	14	261	12,999	188	0.8	250	1.1	236	173	70		
	<b>&gt;=250,000 to &lt;1,000,000</b>	140	51,396,493	44,037	126	27,595	118	13	20,357	7	4.0	12	6.6	12	2	1	50	9,391	37	0.6	49	1.0	45	37	18		
	<b>&gt;=1,000,000</b>	25	33,867,508	38,691	24	21,272	24	2	5,131	2	1.0	2	1.5	2	2	2	6	4,141	5	0.4	6	0.5	6	4	1		
	<b>Not Available</b>	144	2,492,279	1,718	123	1,735	122																				
<b>Race and Ethnicity</b>																											
	<b>Predominantly NH White</b>	6,264	163,662,585	161,698	5,125	104,108	4,925	255	45,193	90	2.3	243	3.5	227	18	64	2,469	36,282	1145	0.6	2334	0.9	2116	1149	546		
	<b>Predominantly NH Black</b>	85	3,098,023	2,820	80	2,103	69	3	194	3	3.8	3	3.8	3		3	32	166	16	0.2	31	0.4	26	15	11		
	<b>Predominantly NH Native America</b>	24	231,022	313	22	302	19										8	252	4	1.5	8	1.7	8	3	2		
	<b>Predominantly Hispanic</b>	50	7,749,995	7,664	45	5,465	44	2	435	2	2.7	2	39.5	1		1	31	467	25	0.1	31	0.1	31	5	25		
	<b>Not Available</b>	145	2,523,405	1,757	124	1,776	123										1				1		1		1		
<b>Median Income</b>																											
	<b>&lt; \$25,000</b>	298	2,504,552	3,893	279	2,875	219	9	459	5	2.0	9	3.0	7		5	97	450	54	0.3	94	0.4	85	39	36		
	<b>&gt;=\$25,000 to &lt;\$30,000</b>	884	8,917,739	12,731	819	9,302	697	32	659	10	1.0	32	1.4	30	1	6	336	2,741	191	0.4	328	0.6	292	147	118		
	<b>&gt;=\$30,000 to &lt;\$35,000</b>	1,372	22,970,583	23,424	1,197	16,639	1,076	87	6,183	33	2.4	83	3.6	76	6	21	519	7,139	309	0.6	496	0.9	460	223	197		
	<b>&gt;=\$35,000 to &lt;\$40,000</b>	1,215	40,443,694	40,250	1,056	24,419	937	59	8,114	18	1.4	56	1.9	52	2	18	443	9,977	226	0.8	427	1.1	372	201	145		
	<b>&gt;=\$40,000 to &lt;\$45,000</b>	881	37,780,840	36,644	675	23,887	680	34	12,526	11	4.0	30	6.3	28	2	7	297	5,210	113	0.4	273	0.5	244	136	52		
	<b>&gt;=\$45,000 to &lt;\$50,000</b>	587	21,218,675	19,189	434	12,206	458	24	11,341	11	2.1	24	3.6	24	5	5	235	4,873	69	0.6	214	1.0	184	105	23		
	<b>&gt;=\$50,000</b>	1,180	40,936,586	36,399	810	22,689	993	15	6,540	7	3.9	14	5.8	14	2	6	613	6,777	228	0.5	572	0.9	544	322	13		
	<b>Not Available</b>	151	2,492,361	1,722	126	1,737	124										1				1		1				
<b>High School Education</b>																											
	<b>&lt; 60%</b>	126	1,817,027	2,148	121	1,577	113	5	533	3	2.2	5	11.6	3		2	45	203	34	0.2	43	0.3	41	15	27		
	<b>&gt;=60% to &lt;70%</b>	661	14,944,978	18,185	616	13,467	563	31	958	9	1.5	31	2.0	30	2	6	240	2,213	143	0.2	233	0.3	218	106	102		
	<b>&gt;=70% to &lt;80%</b>	1,646	49,285,773	51,393	1,411	32,782	1,319	92	12,062	37	1.5	89	2.1	81	7	25	576	6,767	327	0.5	551	0.6	514	288	159		
	<b>&gt;=80% to &lt;90%</b>	3,111	93,198,279	87,644	2,502	56,581	2,410	121	28,605	42	2.9	112	4.7	106	7	30	1,243	23,280	527	0.7	1177	1.0	1047	529	279		
	<b>&gt;=90%</b>	873	15,495,512	13,121	619	7,569	650	11	3,664	4	3.5	11	5.6	11	2	5	435	4,704	159	0.6	399	1.1	360	234	17		
	<b>Not Available</b>	151	2,523,461	1,761	127	1,778	125										2				2		2		1		

Voting Machines

EAC Election Day Survey		Voting Machines 2004 General Election																							
Updated: 09/19/2005 13:07:31		Election Administration Jurisdictions	2004 Total Registration	Punchcard Voting Equipment (including Datavote)												Optical Scan Voting Equipment									
Code	Name			Precincts	Cases	Polling Places	Cases	Number of Juris. Using	Number of Units	Cases	Average # of Units Per Precinct	Cases	Per Polling Pl.	Cases	Number of Juris. with In-Precinct Counting	Central Counting	Number of Juris. Using	Number of Units	Cases	Average # of Units Per Precinct	Cases	Per Polling Pl.	Cases	Number of Juris. with In-Precinct Counting	Central Counting
<b>Political</b>																									
<b>Battleground States in 2004 Presidential Election</b>																									
	<b>Yes</b>	3,093	64,166,639	59,123	2,113	33,037	2,309	99	20,688	34	2.9	88	5.5	75	2	1,172	9,128	302	0.4	1049	0.7	956	287	218	
	<b>No</b>	3,475	113,098,391	115,129	3,283	80,717	2,871	161	25,134	61	2.0	160	2.7	156	16	68	1,369	28,039	888	0.6	1356	0.9	1226	886	366
<b>Margin of Victory in 2004 Presidential Election</b>																									
	<b>&lt; 2.5%</b>	515	15,923,548	13,708	383	8,230	350	18	4,187	7	3.7	16	6.5	14	2	6	181	4,090	72	0.6	163	1.1	131	104	26
	<b>&gt;=2.5% to &lt; 5.0%</b>	476	11,133,130	10,126	359	5,981	335	15	6,201	7	5.8	13	10.5	10		3	165	1,709	62	0.6	157	1.0	135	79	25
	<b>&gt;=5.0% to &lt; 7.5%</b>	510	13,830,932	13,805	416	9,195	388	16	6,775	9	3.8	16	7.3	13		4	186	4,658	77	0.8	179	1.0	155	103	20
	<b>&gt;=7.5% to &lt; 10.0 %</b>	429	8,833,490	9,114	333	5,538	313	12	1,705	4	2.8	11	3.6	11	2	3	162	1,745	71	0.6	150	0.8	131	80	26
	<b>&gt;=10.0 %</b>	4,492	125,044,988	125,787	3,788	83,067	3,664	199	26,954	68	1.8	192	2.6	183	14	52	1,846	24,965	908	0.5	1755	0.7	1629	806	487
<b>Red vs Blue Jurisdictions Won By in 2004 Presidential Election</b>																									
	<b>Bush &gt; 55%</b>	3,115	68,178,580	68,994	2,690	49,173	2,617	181	15,111	58	2.0	174	2.8	166	11	46	1,306	17,375	654	0.6	1245	0.8	1181	495	422
	<b>Bush 50% to 55%</b>	982	26,682,203	25,314	760	16,788	700	31	14,478	14	5.1	28	8.9	24	2	8	365	6,165	146	0.5	340	0.8	293	169	67
	<b>Bush &lt; 50%</b>	136	2,041,746	1,701	106	1,181	79	6	209	3	0.9	6	1.2	6	2	1	35	66	6	0.3	29	0.3	19	15	1
	<b>Kerry &lt; 50%</b>	150	4,850,492	4,276	107	3,030	101	1				1		1			48	1,994	19	0.9	45	1.1	33	33	5
	<b>Kerry 50% to 55%</b>	872	23,160,396	22,439	683	12,452	656	25	4,272	11	2.8	23	5.2	19		8	323	5,615	140	0.8	307	1.5	267	180	43
	<b>Kerry &gt; 55%</b>	1,161	49,846,628	49,810	927	29,387	897	16	11,752	9	1.6	16	2.4	15	3	5	462	5,952	225	0.3	437	0.6	388	279	46
	<b>Tied</b>	25	14,032	12	12	8	8										2				2		1	1	

Voting Machines

EAC Election Day Survey		Voting Machines 2004 General Election																					
Updated: 09/19/2005 13:07:31		Electronic Voting Equipment							Lever Machine Voting Equipment							Paper Ballots Voting Equipment							
Code	Name	Election Administration Jurisdictions	Average # of Units							Average # of Units							Average # of Units						
			Number of Juris. Using	Number of Units	Cases	Per Precinct	Cases	Per Polling Pl.	Cases	Number of Juris. Using	Number of Units	Cases	Per Precinct	Cases	Per Polling Pl.	Cases	Number of Juris. Using	Number of Units	Cases	Per Precinct	Cases	Per Polling Pl.	Cases
01	Alabama	67	3					3															
02	Alaska	1																					
04	Arizona	15																					
05	Arkansas	75	5	196	5	1.4	5	2.0	5	5	309	5	1.0	5	2.5	5	9			9		9	
06	California	58	8	23,708	8	4.5	8	6.7	8														
08	Colorado	64	1					1									7				7		7
09	Connecticut	169								169													
10	Delaware	3	3	898	3	2.1	3	3.3	3														
11	District of Columbia	1																					
12	Florida	67	15	30,946	15	7.9	15	10.7	15														
13	Georgia	159	159					159		158													
15	Hawaii	5																					
16	Idaho	44															16				16		16
17	Illinois	110																					
18	Indiana	92	43					43		41	1				1								
19	Iowa	99	14	672	14	3.0	13	2.7	13	1	52	1	2.5	1	2.5	1							
20	Kansas	105	3	1,860	3	1.9	3	3.4	3								20	0			20		20
21	Kentucky	120	114	15,226	114	5.2	114	6.1	114	1	116	1	5.8	1	5.8	1							
22	Louisiana	64	14	4,515	14	2.5	14	4.2	14	50	4,213	50	1.8	50	3.2	50							
23	Maine	517															385				385		
24	Maryland	24	24	17,017	24	9.6	24	11.0	24														
25	Massachusetts	351															71	85	71	1.0	71	1.0	71
26	Michigan	83	1	76	1	3.5	1	3.6	1	2	68	2	2.5	2	2.7	2							
27	Minnesota	87															7				7		
28	Mississippi	82	3	823	3	4.3	3	4.4	3	8	207	4	2.9	4	2.9	4							
29	Missouri	116															9				9		9
30	Montana	56															20	622	20	4.9	20	5.6	20
31	Nebraska	93															45				45		45
32	Nevada	17	17	4,929	17	3.1	17	9.4	17														
33	New Hampshire	242															145						
34	New Jersey	21	15	7,708	15	1.7	15	3.1	15	5	2,433	5	1.6	5	2.5	5							
35	New Mexico	33																					
36	New York	58								58	19,357	56	1.3	56	2.9	56							
37	North Carolina	100	38	9,009	38	7.6	38	7.6	38	3	67	3	3.2	3	3.2	3	3	0			3		3
38	North Dakota	53															5				5		5
39	Ohio	88	1	139	1	3.6	1	7.7	1														
40	Oklahoma	77																					
41	Oregon	36																					
42	Pennsylvania	67	8	1,810	5					20	2,676	7					2	30	1				
44	Rhode Island	39																					
45	South Carolina	46	36					36															
46	South Dakota	66																					
47	Tennessee	95	48					48		48	8				8								
48	Texas	254	4	2	2	0.0	4	0.0	4	2	120	1	1.5	2	1.5	2	88	0			88		88
49	Utah	29															4				4		4
50	Vermont	246															177				177		177
51	Virginia	134	26	723	25	3.3	26	3.2	26	38	1,248	38	2.9	38	2.9	38							
53	Washington	39	2					2		1													
54	West Virginia	55	2	525	2	3.7	2			3	93	1	0.8	3			10				10		
55	Wisconsin	1,910								17						17	695				681		681
56	Wyoming	23	1	37	1	2.8	1	2.8	1	3	69	3	2.7	3	6.3	3							
60	American Samoa	1																					
66	Guam	1																					
72	Puerto Rico	110																					
78	Virgin Islands	1																					
	<b>Total</b>	<b>6,568</b>	<b>608</b>	<b>120,819</b>	<b>310</b>	<b>3.4</b>	<b>599</b>	<b>5.0</b>	<b>557</b>	<b>394</b>	<b>31,028</b>	<b>177</b>	<b>1.5</b>	<b>199</b>	<b>2.9</b>	<b>196</b>	<b>1734</b>	<b>737</b>	<b>92</b>	<b>0.1</b>	<b>1573</b>	<b>0.2</b>	<b>1171</b>
	<b>Maximum</b>	<b>1,910</b>	<b>159</b>	<b>30,946</b>	<b>114</b>	<b>9.6</b>	<b>159</b>	<b>11.0</b>	<b>158</b>	<b>169</b>	<b>19,357</b>	<b>56</b>	<b>5.8</b>	<b>56</b>	<b>6.3</b>	<b>56</b>	<b>695</b>	<b>622</b>	<b>71</b>	<b>4.9</b>	<b>681</b>	<b>5.6</b>	<b>681</b>
	<b>Average</b>	<b>119</b>	<b>22</b>	<b>6,040</b>	<b>15</b>	<b>3.8</b>	<b>23</b>	<b>5.1</b>	<b>23</b>	<b>21</b>	<b>2,216</b>	<b>12</b>	<b>2.3</b>	<b>12</b>	<b>3.2</b>	<b>13</b>	<b>86</b>	<b>122</b>	<b>30</b>	<b>2.9</b>	<b>87</b>	<b>3.3</b>	<b>78</b>
	<b>Minimum</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0.0</b>	<b>1</b>	<b>0.0</b>	<b>1</b>	<b>1</b>	<b>52</b>	<b>1</b>	<b>0.8</b>	<b>1</b>	<b>1.5</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1.0</b>	<b>3</b>	<b>1.0</b>	<b>3</b>

Voting Machines

EAC Election Day Survey																							
Voting Machines 2004 General Ele																							
Updated: 09/19/2005 13:07:31		Electronic Voting Equipment							Lever Machine Voting Equipment							Paper Ballots Voting Equipment							
Code	Name	Election Administration Jurisdictions	Number		Average # of Units			Number		Average # of Units			Number		Average # of Units		Number		Average # of Units				
			of Juris.	of	Per	Cases	Per	Cases	of Juris.	of	Per	Cases	Per	Cases	of Juris.	of	Per	Cases	Per	Cases			
<b>Election Administration</b>																							
<b>Voting Equipment Used in 2004 General Election</b>																							
	None / Unknown	908																					
	Punch card	260																					
	Lever	394						394	31,028	177	1.5	199	2.9	196									
	Paper	1,734													1734	737	92	0.1	1573	0.2	1171		
	Optical scan	2,541																					
	Electronic	608	608	120,819	310	3.4	599	5.0	557														
	Multiple Systems	123																					
<b>Changed Voting Equipment Since 2000 General Election</b>																							
	Yes	1,753	311	77,741	90	4.2	309	5.8	294	42	120	1	1.4	6	0.7	6	455	3	3	0.0	348	0.0	234
	No	4,815	297	43,078	220	2.6	290	4.0	263	352	30,908	176	1.5	193	2.9	190	1279	734	89	0.1	1225	0.2	937
<b>State Wide Voter Registration System in Place</b>																							
	Yes	1,335	329	21,240	134	2.1	329	3.1	290	225	4,490	54	1.8	56	2.1	53	104	85	71	0.1	104	0.4	87
	No	5,233	279	99,579	176	4.0	270	5.7	267	169	26,538	123	1.5	143	3.1	143	1630	652	21	0.1	1469	0.2	1084
<b>Election Day Registration</b>																							
	Yes	2,823	1	37	1	2.8	1	2.8	1	20	69	3	0.6	20	1.0	20	1248				1089		697
	No	3,745	607	120,782	309	3.4	598	5.0	556	374	30,959	174	1.5	179	2.9	176	486	737	92	0.2	484	0.3	474
<b>Provisional Ballot Acceptance</b>																							
	In Overall Jurisdiction	1,162	262	57,153	97	4.0	254	5.3	252	78	7,265	65	2.8	58	4.9	58	202	30	1	0.1	200	0.1	200
	In Precinct Only	4,350	346	63,666	213	3.0	345	4.8	305	316	23,763	112	1.3	141	2.5	138	974	707	91	0.2	960	0.3	950
	None	1,056															558						21
<b>No Excuse Absentee Balloting</b>																							
	Yes	3,781	113	75,676	110	4.9	112	7.4	111	74	4,401	57	1.8	74	3.1	74	1393	622	20	0.3	1379	0.3	994
	No	2,787	495	45,143	200	2.3	487	3.2	446	320	26,627	120	1.5	125	2.8	122	341	115	72	0.0	194	0.1	177
<b>Early Voting Allowed</b>																							
	Yes	1,701	315	71,884	105	3.9	314	5.3	311	25	710	14	1.1	25	2.1	22	355	622	20	0.3	355	0.4	345
	No	4,867	293	48,935	205	2.9	285	4.6	246	369	30,318	163	1.5	174	2.9	174	1379	115	72	0.0	1218	0.1	826
<b>Covered By Section 203, Language Minority Requirements</b>																							
	Yes	468	31	53,256	27	4.5	30	7.3	30	15	5,501	7	1.4	8	2.3	8	97	0			97		97
	No	6,100	577	67,563	283	2.9	569	4.0	527	379	25,527	170	1.6	191	3.0	188	1637	737	92	0.2	1476	0.3	1074
<b>Covered By Section 5 of Voting Rights Act</b>																							
	Yes	880	262	13,234	61	1.6	262	2.4	225	100	5,837	95	2.0	96	3.0	96	94	0			89		88
	No	5,688	346	107,585	249	4.0	337	5.8	332	294	25,191	82	1.4	103	2.8	100	1640	737	92	0.1	1484	0.3	1083

Voting Machines

EAC Election Day Survey																							
Voting Machines 2004 General Ele																							
Updated: 09/19/2005 13:07:31																							
Code	Name	Election Administration Jurisdictions	Electronic Voting Equipment						Lever Machine Voting Equipment						Paper Ballots Voting Equipment								
			Number of Juris. Using	Number of Units	Per Precinct	Average # of Units	Number of Juris. Using	Number of Units	Per Precinct	Average # of Units	Number of Juris. Using	Number of Units	Per Precinct	Average # of Units	Number of Juris. Using	Number of Units	Per Precinct	Average # of Units					
<b>Demographics</b>																							
<b>Region</b>																							
	Northeast	1,710	23	9,518	20	2.1	15	3.9	15	252	24,466	68	1.5	61	2.9	61	780	115	72	0.2	633	0.4	248
	South	1,423	494	79,880	245	4.1	494	5.5	455	118	6,373	103	1.9	114	2.9	111	110	0			110		100
	Midwest	2,902	62	2,747	19	0.7	61	1.0	59	21	120	3	0.7	21	0.9	21	797	0			783		776
	West	420	29	28,674	26	3.9	29	6.6	28	3	69	3	2.7	3	6.3	3	47	622	20	1.9	47	2.1	47
	Territories	113																					
<b>Urban to Rural</b>																							
	Urban	567	38	55,281	29	4.4	36	6.2	36	64	16,498	13	1.4	17	3.3	17	31	10	2	0.0	29	0.0	29
	Suburban	871	85	29,104	41	3.0	82	4.4	76	100	4,704	17	2.1	17	3.4	16	162	11	6	0.1	145	0.0	140
	Small Towns	1,710	289	30,712	137	3.0	287	4.6	261	144	6,949	82	1.6	87	2.3	85	262	24	24	0.1	206	0.1	112
	Rural	3,307	196	6,722	103	2.2	194	2.8	184	86	2,877	65	1.5	78	2.3	78	1279	692	60	0.2	1193	0.3	890
	Not Available - Territories	113																					
<b>Size of Jurisdiction (VAP)</b>																							
	< 1,000	1,761	1	9	1	1.8	1	3.0	1	8				6		6	1081	89	40	0.1	1004	0.1	754
	>=1,000 to <3,500	1,165	13	67	5	0.9	13	1.7	13	42	5	1	0.4	8	0.1	8	495	301	42	0.3	432	0.3	309
	>=3,500 to <10,000	1,043	99	1,934	49	2.3	99	2.7	97	82	591	27	1.6	32	1.8	32	117	310	8	0.3	102	0.4	89
	>=10,000 to <50,000	1,704	316	15,872	156	2.5	313	3.2	290	181	5,018	92	1.7	99	2.0	96	30	37	2	0.1	24	0.1	17
	>=50,000 to <250,000	586	129	23,229	62	2.7	126	3.9	111	62	6,674	43	1.4	44	2.1	44							
	>=250,000 to <1,000,000	140	42	42,374	30	3.6	40	5.3	38	16	7,823	11	2.0	7	2.9	7	1				1		1
	>=1,000,000	25	8	37,334	7	5.0	7	8.1	7	3	10,917	3	1.3	3	5.1	3							
	Not Available	144															10				10		1
<b>Race and Ethnicity</b>																							
	Predominantly NH White	6,264	574	110,238	298	3.4	565	4.9	530	379	30,622	167	1.5	189	2.9	186	1710	737	92	0.1	1549	0.2	1158
	Predominantly NH Black	85	33	4,673	11	2.8	33	3.8	26	14	406	10	2.2	10	2.8	10							
	Predominantly NH Native America	24															11				11		9
	Predominantly Hispanic	50	1	5,908	1	7.9	1	11.1	1	1							3	0			3		3
	Not Available	145															10				10		1
<b>Median Income</b>																							
	< \$25,000	298	51	3,722	32	4.1	51	4.6	49	26	1,050	20	1.7	22	2.6	21	87	23	3	0.1	87	0.2	38
	>=\$25,000 to <\$30,000	884	103	4,481	42	2.1	103	3.2	95	43	1,986	33	1.8	40	2.6	39	286	520	17	0.4	283	0.5	190
	>=\$30,000 to <\$35,000	1,372	156	9,817	75	2.5	151	3.2	138	59	2,801	45	1.5	49	2.1	48	379	118	5	0.1	365	0.1	255
	>=\$35,000 to <\$40,000	1,215	136	21,787	68	3.3	135	4.7	121	50	11,268	38	1.4	41	4.0	41	367	2	2	0.0	341	0.0	253
	>=\$40,000 to <\$45,000	881	70	26,054	34	3.5	68	5.9	63	39	4,991	25	1.5	27	2.4	27	266	17	16	0.1	230	0.1	195
	>=\$45,000 to <\$50,000	587	35	9,906	20	3.3	35	4.9	35	25	1,070	5	1.8	7	2.4	7	158	15	15	0.1	131	0.1	122
	>=\$50,000	1,180	57	45,052	39	4.0	56	5.8	56	152	7,862	11	1.7	13	2.6	13	178	42	34	0.0	124	0.1	116
	Not Available	151															13				12		2
<b>High School Education</b>																							
	< 60%	126	41	2,579	29	4.3	41	4.6	40	12	490	9	1.9	12	3.0	12	11	0			10		8
	>=60% to <70%	661	170	12,185	61	3.1	170	4.2	154	62	2,674	49	1.6	55	2.3	54	110	18	1	0.0	108	0.0	81
	>=70% to <80%	1,646	222	34,346	116	2.9	219	4.8	202	83	12,304	57	1.4	61	3.6	60	437	78	5	0.1	414	0.1	297
	>=80% to <90%	3,111	164	65,994	97	3.9	158	5.4	150	155	15,322	59	1.7	65	2.6	64	928	603	50	0.2	853	0.3	649
	>=90%	873	11	5,715	7	3.2	11	4.2	11	82	238	3	1.3	6	0.8	6	236	38	36	0.2	176	0.2	134
	Not Available	151															12				12		2



Voting Machines

EAC Election Day Survey																							
Voting Machines 2004 General Election																							
Updated: 09/19/2005 13:07:31																							
Code	Name	Election Administration Jurisdictions	Electronic Voting Equipment							Lever Machine Voting Equipment							Paper Ballots Voting Equipment						
			Number of Juris. Using	Number of Units	Per Cases	Per Precinct	Average # of Units	Per Cases	Per Polling Pl.	Number of Juris. Using	Number of Units	Per Cases	Per Precinct	Average # of Units	Per Cases	Per Polling Pl.	Number of Juris. Using	Number of Units	Per Cases	Per Precinct	Average # of Units	Per Cases	Per Polling Pl.
<b>Political</b>																							
<b>Battleground States in 2004 Presidential Election</b>																							
	<b>Yes</b>	<b>3,093</b>	66	39,293	60	6.1	57	9.7	54	48	3,198	16	5.9	28	14.2	25	884	30	1	0.0	723	0.0	706
	<b>No</b>	<b>3,475</b>	542	81,526	250	2.8	542	4.0	503	346	27,830	161	1.4	171	2.6	171	850	707	91	0.3	850	0.4	465
<b>Margin of Victory in 2004 Presidential Election</b>																							
	<b>&lt; 2.5%</b>	<b>515</b>	28	6,982	18	4.9	26	6.1	23	42	2,585	9	1.5	10	2.9	10	163	7	7	0.0	147	0.0	97
	<b>&gt;=2.5% to &lt; 5.0%</b>	<b>476</b>	28	12,500	17	4.2	26	8.2	24	35	3,007	12	1.9	11	3.2	10	143	60	6	0.3	127	0.5	81
	<b>&gt;=5.0% to &lt; 7.5%</b>	<b>510</b>	34	13,079	21	4.8	33	7.2	29	38	2,434	13	1.3	15	2.6	14	169	1	1	0.0	155	0.0	110
	<b>&gt;=7.5% to &lt; 10.0 %</b>	<b>429</b>	20	4,868	10	4.9	19	6.8	18	27	1,257	9	1.5	13	2.0	12	142	7	7	0.0	123	0.0	91
	<b>&gt;=10.0 %</b>	<b>4,492</b>	498	83,390	244	3.1	495	4.4	463	251	21,745	134	1.5	150	2.9	150	1,109	662	71	0.2	1,016	0.3	787
<b>Red vs Blue Jurisdictions Won By in 2004 Presidential Election</b>																							
	<b>Bush &gt; 55%</b>	<b>3,115</b>	434	50,671	212	2.9	433	4.2	410	141	7,115	100	2.0	110	2.8	110	652	597	20	0.2	601	0.3	464
	<b>Bush 50% to 55%</b>	<b>982</b>	66	12,050	38	3.9	62	6.2	55	67	3,453	32	1.3	36	2.0	34	289	63	9	0.1	247	0.2	172
	<b>Bush &lt; 50%</b>	<b>136</b>	7	4,057	4	6.4	7	8.7	5	15	458	3	1.2	3	1.7	3	49	2	2	0.0	48	0.1	28
	<b>Kerry &lt; 50%</b>	<b>150</b>	3	114	2	0.9	2	0.7	2	20	2,058	5	1.7	5	3.6	5	54	1	1	0.0	50	0.0	29
	<b>Kerry 50% to 55%</b>	<b>872</b>	41	21,278	24	4.6	40	7.4	38	68	5,398	17	1.6	19	2.8	18	288	12	11	0.0	262	0.0	188
	<b>Kerry &gt; 55%</b>	<b>1,161</b>	57	32,649	30	3.5	55	5.0	47	82	12,546	20	1.4	26	3.3	26	389	62	49	0.1	355	0.2	285
	<b>Tied</b>	<b>25</b>									1						13				10		5

Voting Machines

EAC Election Day Survey		Cases = Number of Jurisdictions Reporting Subject Matter															
Voting Machines 2004 General Ele		Mixed Voting Equipment								Unknown / Not Reported							
Code	Name	Election Administration Jurisdictions	Number		Average # of Units				Number		Average # of Units						
			of Juris. Using	of Units	Per Precinct	Cases	Per Polling Pl.	Cases	of Juris. Using	of Units	Per Precinct	Cases	Per Polling Pl.	Cases			
01	Alabama	67															
02	Alaska	1															
04	Arizona	15															
05	Arkansas	75	2				2		2								
06	California	58	1	3,747	1	3.4	1	7.6	1								
08	Colorado	64	6				6		6								
09	Connecticut	169															
10	Delaware	3															
11	District of Columbia	1	1				1		1								
12	Florida	67	2	116	2	2.3	2	2.4	2								
13	Georgia	159															
15	Hawaii	5	5				4		4								
16	Idaho	44															
17	Illinois	110															
18	Indiana	92															
19	Iowa	99															
20	Kansas	105	1				1		1								
21	Kentucky	120	4	99	4	2.2	4	2.2	4								
22	Louisiana	64															
23	Maine	517							18				18				
24	Maryland	24															
25	Massachusetts	351							6				6			6	
26	Michigan	83	30	4,189	30	1.2	30	1.8	30								
27	Minnesota	87	19				19										
28	Mississippi	82															
29	Missouri	116															
30	Montana	56															
31	Nebraska	93															
32	Nevada	17															
33	New Hampshire	242							5								
34	New Jersey	21															
35	New Mexico	33							33				21			21	
36	New York	58															
37	North Carolina	100	7	494	7	3.1	7	3.1	7								
38	North Dakota	53															
39	Ohio	88							80	37,279	68	4.2	80	7.2	80	80	
40	Oklahoma	77															
41	Oregon	36															
42	Pennsylvania	67	2	138	1												
44	Rhode Island	39															
45	South Carolina	46															
46	South Dakota	66															
47	Tennessee	95	8				8		8								
48	Texas	254	3	131	2	0.2	3	0.3	3	6	16,808	6	7.4	6	9.8	6	
49	Utah	29															
50	Vermont	246							1				1			1	
51	Virginia	134	30	3,602	30	4.1	30	4.0	30	2			2			2	
53	Washington	39	1				1		1								
54	West Virginia	55															
55	Wisconsin	1,910							644				7			7	
56	Wyoming	23	1				1		1								
60	American Samoa	1							1								
66	Guam	1							1								
72	Puerto Rico	110							110				110			110	
78	Virgin Islands	1							1				1			1	
	<b>Total</b>	<b>6,568</b>	123	12,516	77	1.2	120	2.0	101	908	54,087	74	4.0	252	5.6	234	
	<b>Maximum</b>	<b>1,910</b>	30	4,189	30	4.1	30	7.6	30	644	37,279	68	7.4	110	9.8	110	
	<b>Average</b>	<b>119</b>	7	1,564	9	2.4	7	3.0	6	69	27,043	37	5.8	25	8.5	26	
	<b>Minimum</b>	<b>1</b>	1	99	1	0.2	1	0.3	1	1	16,808	6	4.2	1	7.2	1	

Voting Machines

EAC Election Day Survey		Cases = Number of Jurisdictions Reporting Subject Matter															
Voting Machines 2004 General Ele																	
Updated: 09/19/2005 13:07:31		Mixed Voting Equipment								Unknown / Not Reported							
Code	Name	Election Administration Jurisdictions	Number	Number	Average # of Units				Number	Number	Average # of Units						
			of Juris. Using	of Units	Per Precinct	Cases	Per Polling Pl.	Cases	of Juris. Using	of Units	Per Precinct	Cases	Per Polling Pl.	Cases			
<b>Election Administration</b>																	
<b>Voting Equipment Used in 2004 General Election</b>																	
	None / Unknown	908								908	54,087	74	4.0	252	5.6	234	
	Punch card	260															
	Lever	394															
	Paper	1,734															
	Optical scan	2,541															
	Electronic	608															
	Multiple Systems	123	123	12,516	77	1.2	120	2.0	101								
<b>Changed Voting Equipment Since 2000 General Election</b>																	
	Yes	1,753	35	1,267	18	0.6	35	1.3	24	285	18,380	8	5.7	20	8.0	14	
	No	4,815	88	11,249	59	1.4	85	2.1	77	623	35,707	66	3.4	232	4.8	220	
<b>State Wide Voter Registration System in Place</b>																	
	Yes	1,335	59	4,288	34	0.9	58	1.5	39	39				27		27	
	No	5,233	64	8,228	43	1.5	62	2.4	62	869	54,087	74	4.2	225	6.0	207	
<b>Election Day Registration</b>																	
	Yes	2,823	20				20		1	667				25		7	
	No	3,745	103	12,516	77	1.3	100	2.0	100	241	54,087	74	4.0	227	5.8	227	
<b>Provisional Ballot Acceptance</b>																	
	In Overall Jurisdiction	1,162	19	4,379	9	1.2	17	2.4	17	34				22		22	
	In Precinct Only	4,350	85	8,137	68	1.4	84	1.8	84	738	54,087	74	4.9	101	7.3	101	
	None	1,056	19				19			136				129		111	
<b>No Excuse Absentee Balloting</b>																	
	Yes	3,781	24	4,357	10	1.1	23	2.1	23	696				47		23	
	No	2,787	99	8,159	67	1.3	97	1.9	78	212	54,087	74	4.2	205	6.2	205	
<b>Early Voting Allowed</b>																	
	Yes	1,701	36	4,488	12	1.1	35	1.6	35	40	16,808	6	5.7	28	7.2	28	
	No	4,867	87	8,028	65	1.3	85	2.2	66	868	37,279	68	3.5	224	5.1	206	
<b>Covered By Section 203, Language Minority Requirements</b>																	
	Yes	468	8	3,878	3	1.5	8	2.5	8	39	16,808	6	5.7	27	7.2	27	
	No	6,100	115	8,638	74	1.1	112	1.8	93	869	37,279	68	3.5	225	5.1	207	
<b>Covered By Section 5 of Voting Rights Act</b>																	
	Yes	880	35	3,751	34	2.3	35	2.7	35	9	16,808	6	7.4	8	9.8	8	
	No	5,688	88	8,765	43	1.0	85	1.8	66	899	37,279	68	3.3	244	4.7	226	

Voting Machines

EAC Election Day Survey		Cases = Number of Jurisdictions Reporting Subject Matter													
Voting Machines 2004 General Ele															
Updated: 09/19/2005 13:07:31		Mixed Voting Equipment							Unknown / Not Reported						
Code	Name	Election Administration Jurisdictions	Number		Average # of Units			Number		Average # of Units					
			of Juris. Using	of Units	Per Precinct	Cases	Per Polling Pl.	Cases	of Juris. Using	of Units	Per Precinct	Cases	Per Polling Pl.	Cases	
<b>Demographics</b>															
<b>Region</b>															
	Northeast	1,710	2	138	1				30				25		7
	South	1,423	57	4,442	45	1.9	57	2.1	57	8	16,808	6	7.4	8	9.8
	Midwest	2,902	50	4,189	30	1.0	50	1.7	31	724	37,279	68	4.2	87	6.6
	West	420	14	3,747	1	1.0	13	2.0	13	33				21	21
	Territories	113								113				111	111
<b>Urban to Rural</b>															
	Urban	567	17	5,008	13	1.2	17	1.7	17	77	26,342	6	5.3	12	9.0
	Suburban	871	11	951	7	0.5	11	0.9	10	117	14,164	14	5.3	22	8.4
	Small Towns	1,710	53	6,118	41	2.1	52	3.5	48	157	12,979	48	3.8	62	5.2
	Rural	3,307	42	439	16	0.3	40	0.7	26	444	602	6	0.8	45	0.7
	Not Available - Territories	113								113				111	111
<b>Size of Jurisdiction (VAP)</b>															
	< 1,000	1,761	1						460				19		4
	>=1,000 to <3,500	1,165	1				1		150				7		7
	>=3,500 to <10,000	1,043	13	55	4	0.2	13	0.8	7	37	59	1	1.2	6	0.6
	>=10,000 to <50,000	1,704	56	1,624	41	1.3	55	2.0	47	83	6,680	39	2.8	66	3.5
	>=50,000 to <250,000	586	38	3,020	26	1.5	37	2.0	33	34	15,976	25	4.1	32	7.0
	>=250,000 to <1,000,000	140	11	2,458	4	0.6	11	1.0	11	7	11,446	6	4.6	6	7.0
	>=1,000,000	25	3	5,359	2	1.8	3	3.3	3	3	19,926	3	6.6	3	11.6
	Not Available	144								134				113	111
<b>Race and Ethnicity</b>															
	Predominantly NH White	6,264	120	12,265	75	1.2	117	2.0	98	757	50,752	72	4.8	128	7.1
	Predominantly NH Black	85	3	251	2	1.1	3	1.1	3						
	Predominantly NH Native America	24								5				3	2
	Predominantly Hispanic	50								12	3,335	2	3.1	8	4.7
	Not Available	145								134				113	111
<b>Median Income</b>															
	< \$25,000	298	9	191	7	1.9	8	1.8	8	19				8	5
	>=\$25,000 to <\$30,000	884	7	103	3	1.1	7	1.0	7	77	2,112	8	2.3	26	2.8
	>=\$30,000 to <\$35,000	1,372	31	1,456	21	1.8	30	2.7	23	141	3,249	12	3.5	23	3.8
	>=\$35,000 to <\$40,000	1,215	30	922	15	0.5	29	0.8	21	130	18,840	21	4.4	27	8.3
	>=\$40,000 to <\$45,000	881	14	5,652	8	1.5	14	2.7	12	161	21,142	23	5.4	33	7.5
	>=\$45,000 to <\$50,000	587	13	975	9	1.0	13	1.4	13	97	4,117	5	4.1	10	6.3
	>=\$50,000	1,180	19	3,217	14	1.1	19	1.9	17	146	4,627	5	6.1	12	7.9
	Not Available	151								137				113	111
<b>High School Education</b>															
	< 60%	126	9	157	6	1.6	8	1.6	8	3	109	1	3.4	2	3.2
	>=60% to <70%	661	11	186	6	0.9	11	0.9	11	37	1,146	2	3.7	8	3.9
	>=70% to <80%	1,646	35	7,367	27	1.7	35	2.7	32	201	14,445	21	4.9	42	6.3
	>=80% to <90%	3,111	63	3,791	37	0.8	61	1.4	46	437	35,596	48	4.3	76	7.0
	>=90%	873	5	1,015	1	0.9	5	1.6	4	93	2,791	2	8.8	11	9.8
	Not Available	151								137				113	111

Voting Machines

EAC Election Day Survey		Cases = Number of Jurisdictions Reporting Subject Matter																
Voting Machines 2004 General Ele																		
Updated: 09/19/2005 13:07:31		Mixed Voting Equipment								Unknown / Not Reported								
Code	Name	Election Administration Jurisdictions	Number of Juris. of				Average # of Units				Number of Juris. of				Average # of Units			
			Using	Units	Cases	Per Precinct	Cases	Per Polling Pl.	Cases	Using	Units	Cases	Per Precinct	Cases	Per Polling Pl.	Cases		
<b>Political</b>																		
<b>Battleground States in 2004 Presidential Election</b>																		
<b>Yes</b>		<b>3,093</b>	62	4,443	33	0.7	60	1.2	41	762	37,279	68	3.9	108	6.0	108		
<b>No</b>		<b>3,475</b>	61	8,073	44	2.2	60	2.9	60	146	16,808	6	4.1	144	4.8	126		
<b>Margin of Victory in 2004 Presidential Election</b>																		
<b>&lt; 2.5%</b>		<b>515</b>	17	1,330	8	0.7	17	1.1	11	66	3,634	2	5.3	4	7.3	3		
<b>&gt;=2.5% to &lt; 5.0%</b>		<b>476</b>	10	295	5	0.4	10	0.6	7	80	1,715	5	2.3	15	3.3	10		
<b>&gt;=5.0% to &lt; 7.5%</b>		<b>510</b>	6	1,387	4	3.4	6	3.6	6	61	2,641	6	4.3	12	5.2	10		
<b>&gt;=7.5% to &lt; 10.0 %</b>		<b>429</b>	10	417	8	0.4	10	1.0	9	56	2,940	2	3.6	7	5.2	4		
<b>&gt;=10.0 %</b>		<b>4,492</b>	79	9,087	52	1.5	77	2.4	68	510	43,157	59	4.8	103	7.4	96		
<b>Red vs Blue Jurisdictions Won By in 2004 Presidential Election</b>																		
<b>Bush &gt; 55%</b>		<b>3,115</b>	56	6,159	40	1.9	54	3.0	49	345	15,182	47	3.8	73	5.4	71		
<b>Bush 50% to 55%</b>		<b>982</b>	23	1,418	15	0.7	23	1.2	17	141	14,814	14	5.7	24	7.8	19		
<b>Bush &lt; 50%</b>		<b>136</b>	3	32	1	0.4	3	1.7	1	21				10				
<b>Kerry &lt; 50%</b>		<b>150</b>	4	608	2	1.0	4	1.3	3	20								
<b>Kerry 50% to 55%</b>		<b>872</b>	16	1,482	9	0.9	16	1.7	14	111	7,864	6	3.9	16	5.5	16		
<b>Kerry &gt; 55%</b>		<b>1,161</b>	20	2,817	10	1.0	20	1.6	17	135	16,227	7	5.0	18	9.1	17		
<b>Tied</b>		<b>25</b>								9								