PA Fraud Investigation from PA Voter Rolls and Mail In Ballot Data

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First, Last Name and DOB Match Double Voters	4301
Total Votes	**130345**

Sources:

PA Voter Rolls 2021-01-04, and the PA Ballot Checker Site Scrape (https://www.pavoterservices.pa.gov/pages/ballottracking.aspx) against the 2020-11-16 PA Voter Rolls (Includes results for 54 of the 67 counties)

Chapter 2: Fraud

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	266839

Notes:

59k Voters were found to have used provisional who also attempted to use mail in ballots. In PA if you used Mail In you have to explicitly bring your ballot to the polls to be canceled / cancel your ballot otherwise you will be forced to use provisional.

Registrations with a Registration date before 2020-04-06 added after 2020-04-06:

In between the PA Voter rolls 2020-04-06 and 2020-12-28 … 801,216 unique voter ids were added and 343,286 were removed. Of these 801,216 unique voter ids added, 225,970 were found to have a registration date before 2020-04-06, which should be impossible if the account was added to the rolls *after* 2020-04-06. Of the 225,970 … 71,898 were found not to be registrations which simply moved from one county to another and thus getting a new voter_id (they were not found in the deleted list at all between 2020-04-06 and 2020-12-28).

Thus these 71,898 registrations added after 2020-04-06 with a registration date before 2020-04-06 were considered to be 'ghost registrations'. Of these 71,898 … 54,205 voted.

Sources:

PA Voter Rolls 2020-12-28, Voter History / Poll Books derived from the PA Voter Rolls 2020-12-28, PA Voter Rolls 2020-04-06, PA Voter Rolls 2021-01-04, and the PA Ballot Checker Site Scrape (https://www.pavoterservices.pa.gov/pages/ballottracking.aspx) against the 2020-11-16 PA Voter Rolls (Includes results for 54 of the 67 counties)

Chapter 3: Over / Under Vote Counts:

Total Under / Over Votes on a County Level	Votes
Presidential Votes Which Do Not Have An Assigned Voter	125776
Assigned Voters Whose Presidential Vote Was Lost / Trashed / Not Given	17850

Notes:

Under / Over votes are calculated at a county level. If calculated at a precinct level the sum for the county increases by 40% on average. IE For Delaware county, the over vote count increases from 1,905 to 3,316 when evaluated at a precinct level instead of a county level.

It is estimated the 125,776 over vote count level would raise to about 180,000 if all counties were evaluated at a precinct level.

Under / Over Votes on Case to Case	Votes
Allegheny County Over Votes	112376
Luzerne County In-Person Over Votes	8222
Allegheny County Mail-In Under Votes (Lost / Trashed / 'Not Given')	8038
Luzerne County Poll Books Missing Votes	5197
Allegheny County Provisional Over Votes	3795

Notes:

This table is mainly to highlight very specific counties' under and over vote discrepancies.

Ie Luzerne County which has produced its poll books (signaling it is truly done reporting) can not assign 8,222 voters to the reported presidential in-person votes and can not assign voting methods to 5,197 voters. Allegheny County, despite all other counties doing excellent in their ability to match up mail in counts with the www.electionreturns.pa.gov mail in results, has a towering 8038 mail in votes which seem to have been lost. And in Allegheny 3,795 more provisional 'voters' have voted in the presidential election than Allegheny has told individual voters their provisional vote counted.

Sources:

- PA Voter Rolls 2020-11-02, 2020-11-09, 2020-11-16, 2020-11-23, 2020-11-30, 2020-12-07, 2020-12-14, 2020-12-21, 2020-12-28, and 2021-01-04

- Voter History / Poll Books derived from the PA Voter Rolls 2020-12-28

- County level election results from www.electionreturns.pa.gov

- Precinct level results for Allegheny, Luzerne, Westmoreland, Chester, Delaware and Montgomery from their respective county websites

- PA Mail In Ballot Checker Site Scrape (https://www.pavoterservices.pa.gov/pages/ballottracking.aspx) against the 2020-11-16 PA Voter Rolls (Includes results for 54 of the 67 counties)

- PA Provisional Ballot Checker Site Scrape (https://www.pavoterservices.pa.gov/pages/ProvisionalBallotSearch.aspx) against the 2020-12-28 PA Voter Rolls

- PA opendata ballot data from https://data.pa.gov/Government-Efficiency-Citizen-Engagement/2020-General-Election-Mail-Ballot-Requests-Departm/mcba-yywm/data

Appendix: Sources

Chapter 1: Outright Fraud

Mail In Applications After The Deadline:

```
select count(*) from pamailin where app_received>='2020-10-28' and status='Vote
Recorded';
+----------+
| count(*) |
+----------+
|     2081 |
+----------+
```

Mail In Double Voters:

```
select count(*) from pamailin A,
(select count(*) as count, voter_id from pamailin where status='Vote Recorded' group by
voter_id having count(*)>1) B
where A.voter_id=B.voter_id;
+----------+
| count(*) |
+----------+
|      399 |
+----------+
```

Mail In Received After 11-06 Deadline:

```
select count(*) from pamailin where ballot_received>'2020-11-06' and status='Vote
Recorded';
+----------+
| count(*) |
+----------+
|    18379 |
+----------+
```

Mail In Received Before Sent:

```
select count(*) from pamailin where ballot_received<ballot_mailed_on and status='Vote
Recorded';
+----------+
| count(*) |
+----------+
|    22685 |
+----------+
```

Mail In Received Without Being Sent:

```
select count(*) from pamailin where ballot_mailed_on='0000-00-00' and status='Vote
Recorded';
+----------+
| count(*) |
+----------+
|    10127 |
+----------+
```

Mail In Received and Sent on Same Day:

```
select count(*) from pamailin where ballot_mailed_on=ballot_received and status='Vote
Recorded';
+----------+
| count(*) |
+----------+
|    32577 |
+----------+
```

Registration Date After the 10-19 Deadline:

```
select count(*) from regis where last_vote_date='2020-11-03' and
registration_date>'2020-10-19';
+----------+
| count(*) |
+----------+
|    39100 |
+----------+
```

Voted Provisional and a Secondary Method:

```
#Get Provisional and Other Method double votes using the 'poll books' / voter history
#for the 63 counties we have that data for
select count(*)*2 from regis A, paprovis B, vohis C
where A.id_number=B.voter_id
and A.id_number=C.id_number
and status in ('Counted', 'Partially Counted')
and el_date='2020-11-03'
and el_method!='P';
+-----------+
| count(*)*2 |
+-----------+
|       494 |
+-----------+

#Get Provisional and Mail In double votes for the 4 counties we don't have 'poll book'
```

```
# / voter history for
select count(*)*2 from pamailin A, paprovis B
where A.voter_id=B.voter_id
and A.status='Vote Recorded'
and B.status in ('Counted', 'Partially Counted')
and A.county NOT IN (select distinct county from elmap where el_date='2020-11-03');
+-----------+
| count(*)*2 |
+-----------+
|       202 |
+-----------+

494 + 202 = 696
```

First, Last Name and DOB Match Double Voters:

```
select count(*) from regis A,
(select count(*) as count, first_name, last_name, dob from regis where
last_vote_date='2020-11-03' group by first_name, last_name, dob HAVING count(*)>1) B
where A.dob=B.dob
and A.first_name=B.first_name
and A.last_name=B.last_name
and A.last_vote_date='2020-11-03';
+----------+
| count(*) |
+----------+
|     4301 |
+----------+
```

Chapter 2: Fraud

Mail In 1 Day Send Receive Difference:

```
select count(*) from pamailin where status='Vote Recorded' and DATEDIFF(ballot_received,
ballot_mailed_on)=1;
+----------+
| count(*) |
+----------+
|    51347 |
+----------+
```

Mail In 2 Day Send Receive Difference:

```
select count(*) from pamailin where status='Vote Recorded' and DATEDIFF(ballot_received,
ballot_mailed_on)=2;
+----------+
| count(*) |
+----------+
|    43291 |
+----------+
```

Mail In 3 Day Send Receive Difference:

```
select count(*) from pamailin where status='Vote Recorded' and DATEDIFF(ballot_received,
ballot_mailed_on)=3;
+----------+
| count(*) |
+----------+
|    42079 |
+----------+
```

Voters With Only 1 Letter For First Name:

```
select count(*) from regis where LENGTH(first_name)=1 and last_vote_date='2020-11-03';
+----------+
| count(*) |
+----------+
```

```
|     19565 |
+----------+
```

Voters Forced to Use Provisional Because Mail In Ballot In 'Pending':

```
select count(distinct A.id_number) from regis A, vohis B, pamailin C where
A.id_number=B.id_number and A.id_number=C.voter_id and no_r=0 and el_date='2020-11-03'
and el_method='P' and status='Pending';
+---------------------------+
| count(distinct A.id_number) |
+---------------------------+
|                     56352 |
+---------------------------+
```

Registrations with a Registration date before 2020-04-06 added after 2020-04-06:

```
#Get voter ids which were deleted between 2020-04-06 and 2020-12-28
create table result_0406_vs_1228_del_ids
select id_number from regis_0406
except
select id_number from regis;
Query OK, 343286 rows affected (4 min 12.014 sec)

#Get voter ids which were added between 2020-04-06 and 2020-12-28
create table result_0406_vs_1228_del_ids_rev
select id_number from regis
except
select id_number from regis_0406;
Query OK, 801216 rows affected (4 min 7.915 sec)

#Get full registration details of those added after 2020-04-06 with a registration date
before 2020-04-06
create table result_0406_vs_1228_bad_reg_entries
select A.* from regis A, result_0406_vs_1228_del_ids_rev B where A.id_number=B.id_number
and registration_date<'2020-04-06';
Query OK, 225970 rows affected (5.912 sec)

#Get full registration details of those removed between 2020-04-06 and 2020-12-28
create table result_0406_vs_1228_del_entries
select A.* from regis_0406 A, result_0406_vs_1228_del_ids B where
A.id_number=B.id_number;

#Get registration details of those added after 2020-04-06 with a registration date
before 2020-04-06, who were not found to be people just moving to a new county and thus
getting a new voter_id
create table result_0406_vs_1228_bad_reg_entries_new
select A.* from result_0406_vs_1228_bad_reg_entries A,
(select registration_date, dob from result_0406_vs_1228_bad_reg_entries group by
registration_date, dob
except
select registration_date, dob from result_0406_vs_1228_del_entries group by
registration_date, dob) B
where A.registration_date=B.registration_date
and A.dob=B.dob;

select count(*) from result_0406_vs_1228_bad_reg_entries_new where last_vote_date='2020-
11-03';
+----------+
| count(*) |
+----------+
|    54205 |
+----------+
```

Chapter 3: Over / Under Vote Counts:

Presidential Votes Which Do Not Have An Assigned Voter:

```
select SUM(reported_total-recorded_total) as sum_diff from (select count(*) as
recorded_total, county from regis where last_vote_date='2020-11-03' group by county) A,
(select SUM(total_votes) as reported_total, county from pares where title='President of
the United States' group by county) B where A.county=B.county and reported_total-
recorded_total>0;
+----------+
| sum_diff |
+----------+
|   125776 |
+----------+
```

Assigned Voters Whose Presidential Vote Was Lost / Trashed / Not Given:

```
select SUM(reported_total-recorded_total) as sum_diff from (select count(*) as
recorded_total, county from regis where last_vote_date='2020-11-03' group by county) A,
(select SUM(total_votes) as reported_total, county from pares where title='President of
the United States' group by county) B where A.county=B.county and reported_total-
recorded_total<0;
+----------+
| sum_diff |
+----------+
|   -17850 |
+----------+
```

Allegheny County Over Votes:

```
select reported_total, recorded_total, reported_total-recorded_total as diff, A.county
from (select count(*) as recorded_total, county from regis where last_vote_date='2020-
11-03' group by county) A, (select SUM(total_votes) as reported_total, county from pares
where title='President of the United States' group by county) B where A.county=B.county
order by diff desc;
+----------------+----------------+--------+----------------+
| reported_total | recorded_total | diff   | county         |
+----------------+----------------+--------+----------------+
|         719733 |         607357 | 112376 | ALLEGHENY      |
|         153321 |         149877 |   3444 | LUZERNE        |
|         510157 |         507382 |   2775 | MONTGOMERY     |
|         327931 |         326011 |   1920 | DELAWARE       |
|         118478 |         117016 |   1462 | WASHINGTON     |
|         314502 |         313471 |   1031 | CHESTER        |
|          83829 |          83096 |    733 | MONROE         |
...
|         115410 |         116296 |   -886 | LACKAWANNA     |
|         141595 |         142550 |   -955 | CUMBERLAND     |
|         137083 |         138095 |  -1012 | ERIE           |
|         741377 |         742446 |  -1069 | PHILADELPHIA   |
|         204697 |         205795 |  -1098 | WESTMORELAND   |
|         396234 |         397333 |  -1099 | BUCKS          |
|         147368 |         149080 |  -1712 | DAUPHIN        |
|         205540 |         207682 |  -2142 | BERKS          |
+----------------+----------------+--------+----------------+
```

Precinct Level Increases Over County Level Over / Under Votes:

```
select SUM(total_votes_prec-known_total_voted) as total_under_over, A.county from
(select SUM(total_votes) as total_votes_prec, precinct_code, precinct_name2, county from
paprec group by precinct_code, county) A,
(select count(*) as known_total_voted, precinct_code, county from regis where
last_vote_date='2020-11-03' group by precinct_code, county) B
where A.precinct_code=B.precinct_code
and A.county=B.county
and total_votes_prec>known_total_voted
```

```
group by A.county;
+-----------------+-------------+
| total_under_over | county      |
+-----------------+-------------+
|          118187 | ALLEGHENY   |
|            1802 | CHESTER     |
|            3316 | DELAWARE    |
|            4050 | LUZERNE     |
|            3668 | MONTGOMERY  |
|            2473 | WESTMORELAND |
+-----------------+-------------+

1802 + 3316 + 4050 + 3668 + 2473 = 15309
1022 + 1905 + 3444 + 2720 + 1643 = 10734

15309 / 10734 = 1.42622
```

Luzerne County In-Person Over Votes:

```
create table vohis_result_county_methods_11_03
select count(*) as count, el_method, county from regis A, vohis B where
A.id_number=B.id_number and el_date='2020-11-03' group by county, el_method order by
county, el_method;

select total_in_person_votes, hcount, total_in_person_votes-hcount as diff, A.county
from
(select SUM(count) as hcount, county from vohis_result_county_methods_11_03 where
el_method='AP' group by county) A,
(select SUM(total_votes) as total_votes, SUM(mail_in_votes) as total_mail_in_votes,
SUM(in_person_votes) as total_in_person_votes, SUM(provisional_votes) as
total_provisional_votes, county from pares where title='President of the United States'
group by county) B
where A.county=B.county
order by diff desc;
+-----------------------+--------+------+----------------+
| total_in_person_votes | hcount | diff | county         |
+-----------------------+--------+------+----------------+
|                 93864 |  85642 | 8222 | LUZERNE        |
|                263448 | 261247 | 2201 | MONTGOMERY     |
|                192313 | 190363 | 1950 | DELAWARE       |
|                 80347 |  78704 | 1643 | WASHINGTON     |
|                 49775 |  48325 | 1450 | MONROE         |
|                160949 | 159925 | 1024 | CHESTER        |
|                 32382 |  31950 |  432 | SOMERSET       |
...
|                 87970 |  88381 | -411 | CUMBERLAND     |
|                136170 | 136779 | -609 | BERKS          |
|                142802 | 143548 | -746 | WESTMORELAND   |
|                225995 | 226904 | -909 | BUCKS          |
+-----------------------+--------+------+----------------+
```

Allegheny County Mail-In Under Votes:

```
select total_mail_in_votes, paballot_mail_in, total_mail_in_votes-paballot_mail_in as
diff, A.county from
(select count(*) as paballot_mail_in, county from paballot where ballot_returned_date!
='0000-00-00' group by county) A,
(select SUM(mail_in_votes) as total_mail_in_votes, county from pares where
title='President of the United States' group by county) B
where A.county=B.county
ORDER BY diff desc;
+--------------------+------------------+-------+----------------+
| total_mail_in_votes | paballot_mail_in | diff  | county         |
+--------------------+------------------+-------+----------------+
|              164304 |           161372 | 2932  | BUCKS          |
|              150083 |           147954 | 2129  | CHESTER        |
|              128812 |           127248 | 1564  | DELAWARE       |
|               33992 |            32871 | 1121  | MONROE         |
|               15935 |            15105 |  830  | FAYETTE        |
```

```
|              370361 |            369897 |    464 | PHILADELPHIA   |
...
|               52235 |             53246 |  -1011 | CUMBERLAND     |
|               41226 |             42347 |  -1121 | LACKAWANNA     |
|               54157 |             55340 |  -1183 | DAUPHIN        |
|               65179 |             66520 |  -1341 | BERKS          |
|              342731 |            350769 |  -8038 | ALLEGHENY      |
+---------------------+-------------------+--------+----------------+
```

Luzerne County Poll Books Missing Votes:

```
create table vohis_1228_lvd_no_pb
select id_number from regis where last_vote_date='2020-11-03' and county IN (select
distinct county from elmap where el_date='2020-11-03')
except
select id_number from vohis where el_date='2020-11-03';
Query OK, 7712 rows affected (2 min 23.511 sec)

select count(*), county from regis A, vohis_1228_lvd_no_pb B where
A.id_number=B.id_number group by county order by count(*) desc;
+----------+----------------+
| count(*) | county         |
+----------+----------------+
|     5197 | LUZERNE        |
|      339 | CHESTER        |
|      276 | MONTGOMERY     |
|      161 | LANCASTER      |
|      148 | BUCKS          |
|      147 | DELAWARE       |
+----------+----------------+
```

Allegheny County Provisional Under Votes:

```
select reported_provis, count_counted as counted, count_rejected as rejected,
reported_provis-count_counted as over_under,
count_rejected/(count_counted+count_rejected) as reject_rate, A.county from
(select count(*) as count_counted, county from paprovis where status in ('Counted',
'Partially Counted') group by county) A,
(select count(*) as count_rejected, county from paprovis where status='Rejected' group
by county) B,
(select SUM(provisional_votes) as reported_provis, county from pares where
title='President of the United States' group by county) C
where A.county=B.county
and A.county=C.county
order by over_under desc;
+-----------------+---------+----------+------------+-------------+----------------+
| reported_provis | counted | rejected | over_under | reject_rate | county         |
+-----------------+---------+----------+------------+-------------+----------------+
|           14287 |   10492 |      851 |       3795 |      0.0750 | ALLEGHENY      |
|            2950 |    1977 |      188 |        973 |      0.0868 | LUZERNE        |
|             879 |     566 |       82 |        313 |      0.1265 | CRAWFORD       |
|             418 |     327 |       44 |         91 |      0.1186 | INDIANA        |
...
|               0 |     213 |       29 |       -213 |      0.1198 | McKEAN         |
|           14391 |   14889 |     1241 |       -498 |      0.0769 | PHILADELPHIA   |
|              62 |    1451 |      106 |      -1389 |      0.0681 | MONROE         |
+-----------------+---------+----------+------------+-------------+----------------+
```