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RiskIQ i3:

COVID-19 Daily Update
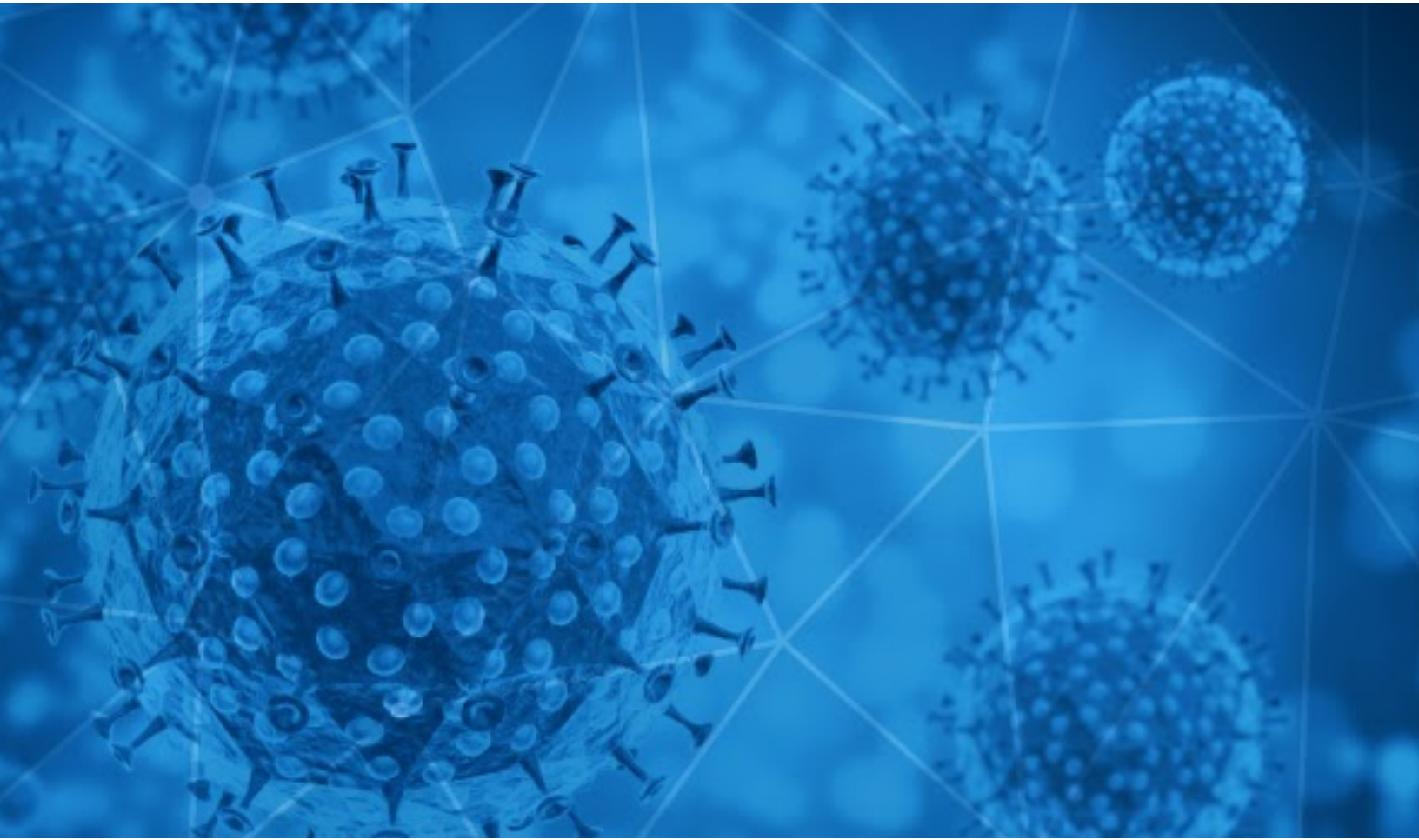
04/17/2020

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Methodology

The information provided in this report is limited to open source and publicly available data discovered through standard, commonly known browsing techniques and keyword searches. To provide efficient results, RiskIQ may use websites that require payment in exchange for aggregation of data that is otherwise publicly available without payment and could be obtained by anyone accessing the correct sites or engaging the correct third parties to obtain the information. Information presented in this report is cross-checked against multiple sources for full verification; however, some assessments and conclusions are based on incomplete information and represent the RiskIQ analyst's judgment based on patterns and data available.

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Notable Events in the Past 24 Hours

Texas Gov. Greg Abbott issued three executive orders Friday that outline how to reopen the state amid the COVID-19 pandemic. The announcement from the governor has been long awaited, with Abbott adding that the state and its decisions must be guided by data and doctors.

New York Governor Andrew Cuomo announced on Twitter that the "New York on PAUSE" order will be extended until 05/15/2020. Cuomo laid out a four-point strategy for reopening the state, which necessitates controlling the rate of infection, strengthening the healthcare system, developing a federal partnership for testing/tracing, and utilizing a phased return.

The Trump administration released guidance for states when developing a reopening strategy. The administration provided an 18-page document to governors on Thursday, 04/16/2020. The document recommends states see a downward trajectory in both confirmed COVID-19 cases and flu-like symptoms before moving to reopen their states. The guidelines further recommend that states and regions see a decline in confirmed cases over a fourteen day period, ensure hospitals can handle all patients without crisis care, and be able to provide a comprehensive testing program—including antibody tests—for at-risk health workers.

The Chinese economy contracted 6.8% in the first quarter, which marks the first time the nation's economy shrank in several decades. The decline demonstrates a stark contrast with economic gains from a year prior when China saw 6.4% growth in the first quarter of 2019. In addition, Chinese manufacturing was down 1.1% in March, retail sales dropped 15.8%, and unemployment dropped to 5.9% after sitting at 6.2% in February.

On Thursday, the Senate adjourned for a week after failing to come to an agreement over hundreds of billions of dollars in small-business funding. The Paycheck Protection Program (PPP) has run out of funding and has shut down as a result. Republicans want to pass a stand-alone bill for $250 billion in funding to the PPP, while Democrats want to include $100 billion for hospitals, $150 billion for states and a boost in food assistance funding.

The entire crew of the USS Theodore Roosevelt was tested for COVID-19. Interestingly, the test revealed the majority of positive cases were asymptomatic. Approximately 60% of the sailors who tested positive for the virus have so far shown no symptoms, though it is unclear how many will eventually develop symptoms and how many will remain asymptomatic. These numbers are consistent with the test results for the passengers and crew of the Diamond Princess, analyzed by the CDC in late March. Moreover, these findings have possible implications for policy makers grappling with how to reopen the country.

Many states without stay-at-home orders are experiencing significant spikes in confirmed cases when compared to states with such orders in place. Over the past week, cases have grown by 53% in Oklahoma, 60% in Arkansas, 74% in Nebraska, 82% in Iowa, and 205% in South Dakota. The remaining three states without stay-at-home orders are seeing an increase in cases, but the growth is more in line with states with stay-at-home orders.

Digital Exploitation

The FBI has seen a spike in cyber crimes reported to its Internet Crime Complaint Center (IC3) since the beginning of the COVID-19 pandemic, as both domestic and international hackers look to take advantage of Americans' daily activities moving increasingly online. The FBI has received between 3,000 to 4,000 cybersecurity complaints each day, a major jump from the days prior to the COVID-19 pandemic when about 1,000 complaints were received daily.

Google says it blocks 18 million COVID-19-related scam emails each day and that's not counting more than 240 million daily spam messages launched at Gmail users that try to capitalize on the coronavirus crisis.

A cybersecurity resource, developed jointly by the American Medical Association and American Hospital Association (AHA), gives guidance on protecting remote workplaces, as many physicians now work from home to care for patients during the COVID-19 pandemic. The resource, "Working from home during the COVID-19 pandemic," tells physicians about immediate steps they can take to strengthen home or hospital-based computers, networks, and medical devices from the rise in COVID-19-themed security threats and attacks. The resource includes checklists, sources, tips, and advice on bolstering protections to keep pace with deceptive cyberattacks that could disrupt patient care or threaten medical records.

New Blacklist Data

hxxps://personnel[.]ky[.]gov/Documents/PERS%20Covid-19%20Action%20Steps[.]pdf

hxxp://securecovid-19[.]noez[.]me/

hxxp://www[.]kfccovid-19[.]com/

hxxps://www-origin[.]sony[.]jp/professional/support/covid-19_a/

hxxps://covid-19[.]msitxpress[.]com/

hxxps://www[.]covid-19[.]pt/

COVID-19 Email Spam Statistics

RiskIQ analyzed its spam box feed for the time period of 04/16/2020-04/17/2020. During this period, RiskIQ analyzed 174,931 spam emails containing either "*corona*" or "*covid*" in the subject line. There were 17,352 unique subject lines observed during the reporting period. The spam emails originated from 24,551 unique sending email domains and 16,185 unique SMTP IP Addresses. Analysts identified 28,480 emails which sent an executable file for Windows machines.
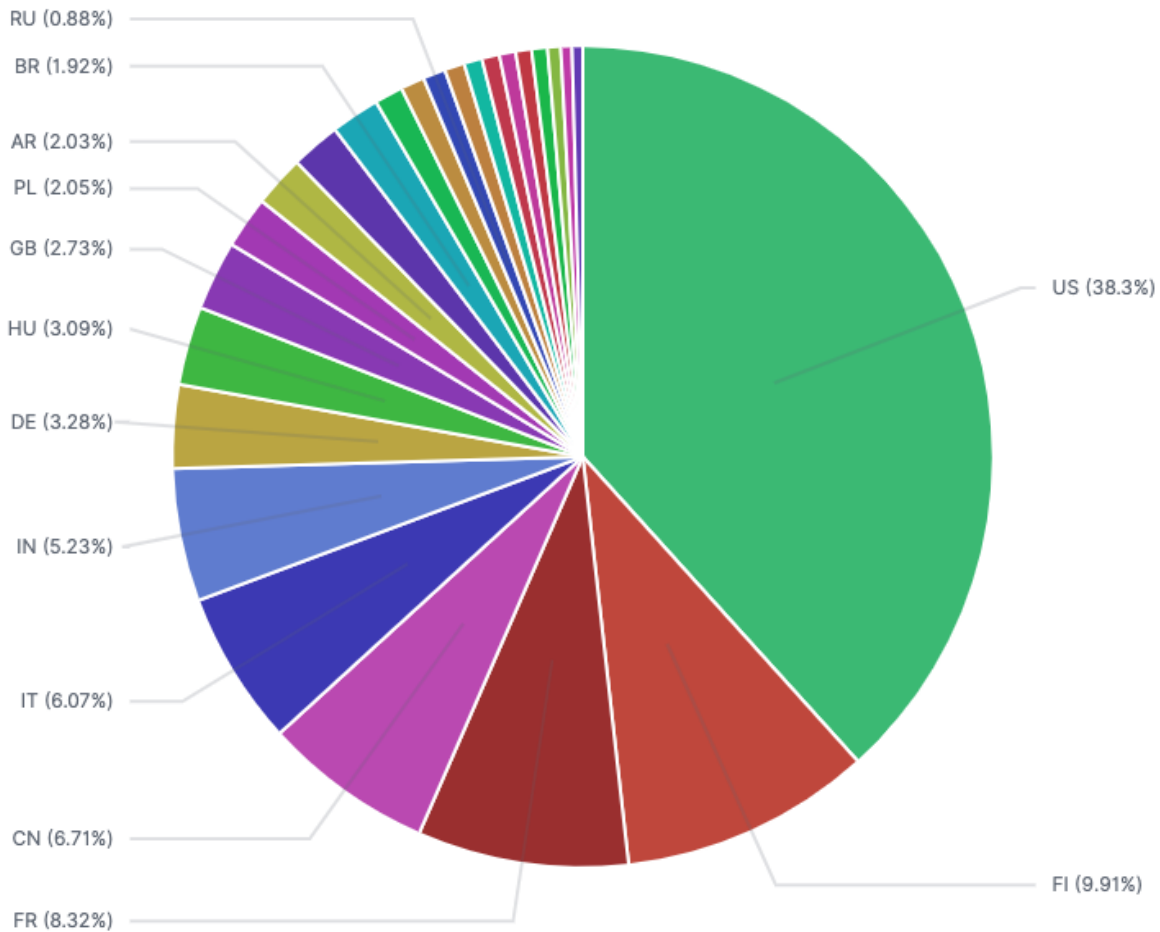
Spam emails by country of origin

Top 25 Subjects

1. 14,951 - Fight COVID-19 with $100 at Drive Thru!

2. 8,384 - Bioethanol für Handdesinfektion literweise zu 12,90 gegen COVID19

3. 6,807 - Covid-19: ampliato lï¿½intervento di MSF

4. 5,407 - Ethical Pandemic Coronavirus Supplies

5. 5,195 - CORONAVIRUS ALERT: FREE Breathing Masks For USA

6. 5,089 - COVID-19 Face Mask & Safety Products

7. 4,832 - The 3 plants you need to throw in your shopping cart to fight coronavirus

8. 3,693 - CORONAVIRUS ALERT: Breathing Mask

9. 3,427 - Message from Airtel CEO - Keeping you connected during COVID - 19

10. 3,254 - The Mask that can prevent Coronavirus now

11. 3,246 - The Corona Letter: An opportunity in a crisis

12. 3,171 - Welche Maske sollten Sie gegen das Coronavirus tragen? Hier die Informationen und alles Wissenswerte

13. 2,992 - FW: COVID-19 LOCK-DOWN / SHIPPING DOCUMENTS

14. 2,567 - CDC HEALTH emergency coronavirus (COVID-19) Pandemic

15. 2,226 - HSBC BANK COVID-19 UPDATE. (KINDLY STUDY CAREFULLY)

16. 1,672 - Coronavirus is spreading, this specialized mask can control it

17. 1,501 - Re: Disposable Mask for Coronavirus （FDA/CE Certificated）

18. 1,317 - COVID-19 Mandatory Security Update!

19. 1,200 - URGENT : XI-- ETA (PROACTIVE MEASURES ON VESSEL ANCHORAGE DUE TO COVID-19)

20. 1,072 - coronavirus.mascarilla de proteccion facial

21. 1,019 - Redeem Your redacted@threatwave.com SBSA-COVID-19-Financial Relief Today

22. 991 - This Mask Stops Coronavirus

23. 973 - The Covid-19 Solidarity Response Fund

24. 925 - [REDACTED_DOMAIN] Relief Funds For Covid'19

25. 905 - Covid-19: ampliato l'intervento di MSF

Top Subjects Containing Attachments with Executable Files for Windows Machines (PE/EXEs)

1.   26,448 - FW: COVID-19 LOCK-DOWN / SHIPPING DOCUMENTS

2.   1,228 - URGENT : XI-- ETA (PROACTIVE MEASURES ON VESSEL ANCHORAGE DUE TO COVID-19)

3.   384 - RE: NEW ORDER CORONA KITS

4.   298 - Fight Against Covid-19 Pandemic

5.   46 - COVID-19 Prevention and guidelines..

6.   21 - COVID-19 Prevention and guidelines.....

7.   21 - COVID-19 Prevention and guidelines .....

8.   18 - COVID-19 Prevention and guidelines ..

9.   7 - COVID-19 Prevention and guidelines

10.   4 - Presupuesto para productos Anti COVID-19

11.   2 - COVID19: The truth is finally revealed

12.   2 - COVID-19 Prevention and guidelines.

13.   1 - COVID-19 prevenção e orientações

Top Countries Sending SPAM - Covid?/Coronavirus Contained in Subjects (by Geolocation on SMTP IP Address)

1. 58,178 US
2. 15,061 FI
3. 12,634 FR
4. 10,189 CN
5. 9,223 IT
6. 7,943 IN
7. 4,985 DE
8. 4,695 HU
9. 4,153 GB
10. 3,113 PL
11. 3,085 AR
12. 2,960 VN
13. 2,918 BR
14. 1,702 CA
15. 1,430 ES
16. 1,344 RU
17. 1,193 CL
18. 1,086 TR
19. 1,054 JP
20. 976 NL
21. 952 ZA
22. 944 IE
23. 782 HK
24. 669 AU
25. 634 EC

COVID-19 Host, Domain, and Mobile App Tracking

RiskIQ gathers data relating to newly-observed hosts and domains containing COVID-19, COVID19, or Coronavirus in the host or domain name and mobile apps containing COVID-19, COVID19, or Coronavirus in the title or description. A summary of data collected is contained in this section.

Domains and Hosts

Domains: 64,545
Hosts: 73,672
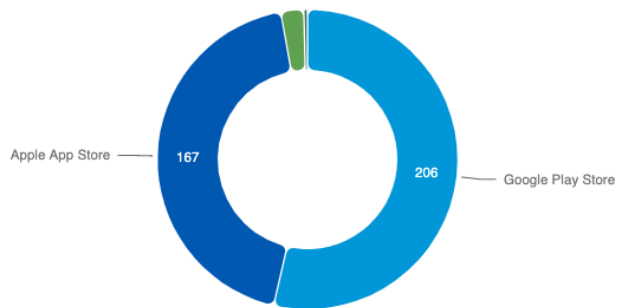Hosts and Domains with Potential Mail Servers: 276
Email-Capable Domains and Hosts: 23,625
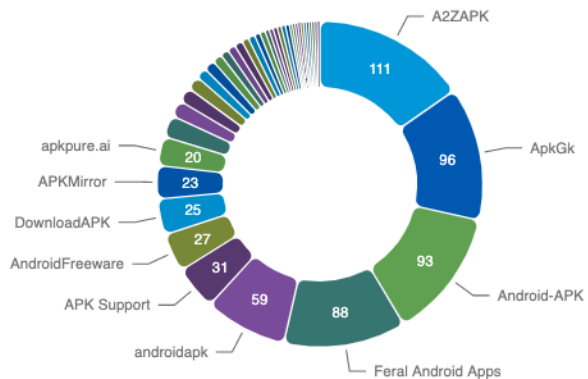Live Hosts and Domains Not Parked: 29,099

Mobile Apps

1. Apps in Official Stores: 383
   (See Graph)
   a. Google Play Store: 206
   b. Apple App Store: 167
   c. Windows Phone: 9
   d. Amazon: 1

Apps on Official Stores

2. Apps in Secondary/Hybrid Stores: 690 (See Graph)

3. Blacklisted Mobile Apps by Store Type:
   a. Secondary: 28
   b. Hybrid: 1
   c. Official: 1

Apps on Secondary and Hybrid Stores by store

Facts and Figures at a Glance

Data is from [Johns Hopkins Coronavirus Resource Center](#).

Global

Total Cases: 2,173,432
Total Fatalities: 146,291
Countries w/ Confirmed Cases: 185

U.S.

Total Cases: 671,425
Total Fatalities: 33,286
Jurisdictions Reporting Cases: 54 (50 states, District of Columbia, Puerto Rico, Guam, and U.S. Virgin Islands)

Highest COVID-19 Case Count: U.S.

States

1. New York: 223,691
2. New Jersey: 75,317
3. Massachusetts: 32,181

Counties

1. New York City (NY): 123,146
2. Nassau County (NY): 27,772
3. Suffolk County (NY): 24,812
4. Westchester County (NY): 21,828
5. Cook County (IL): 18,087
6. Wayne County (MI): 13,002
7. Bergen County (NJ): 11,409
8. Los Angeles County (CA): 10,895
9. Hudson County (NJ): 9,165
10. Essex County (NJ): 9,084

Stay-At-Home/Shelter-In-Place Orders

State	Start	End	State	Start	End
California	03/19	TBD	Montana	03/28	04/24
Illinois	03/21	04/30	Rhode Island	03/28	05/08
New Jersey	03/21	TBD	Alaska	03/28	04/21
New York	03/22	05/15	Kansas	03/30	04/19
Connecticut	03/23	04/22	North Carolina	03/30	04/29
Kentucky	03/23	TBD	Maryland	03/30	TBD
Louisiana	03/23	04/30	Virginia	03/30	06/10
Ohio	03/23	05/01	Arizona	03/31	04/30
Oregon	03/23	TBD	Tennessee	03/31	04/30
Washington	03/23	05/04	Washington, DC	04/01	05/15
Delaware	03/24	05/15	Nevada	04/01	04/30
Indiana	03/24	04/20	Pennsylvania	04/01	04/30
Michigan	03/24	04/30	Oklahoma	04/01	04/30
New Mexico	03/24	04/30	Texas	04/02	04/30
Massachusetts	03/24	05/04	Maine	04/02	04/30
West Virginia	03/24	TBD	Florida	04/03	04/30
Hawaii	03/25	04/30	Georgia	04/03	04/30
Wisconsin	03/25	04/24	Mississippi	04/03	04/20
Vermont	03/25	05/15	Alabama	04/04	04/30
Idaho	03/25	04/30	Missouri	04/06	05/03
Colorado	03/26	04/26	South Carolina	04/07	TBD
Minnesota	03/27	05/04			
New Hampshire	03/27	05/04			

Governmental Guidance

State & Local Governments

California

As of 04/17/2020, California has 28,157 confirmed COVID-19 cases and 973 deaths. The number of deaths due to COVID-19 in California hit new highs this week. Wednesday, 04/15/2020, saw the worst one-day total for California, with 101 deaths reported. With 457 fatalities, Los Angeles County has accounted for almost half the COVID-19 deaths in the state of California. Nearly 88% of those who died due to COVID-19 in Los Angeles County had previous health problems.

Illinois

As of 04/17/2020, Illinois has 25,733 confirmed cases of COVID-19 and 1,073 deaths. The state of Illinois spent $17 million on KN95 masks from China that may not be usable. The KN95 masks were approved as an alternative to the N95 masks by the CDC earlier this month. Missouri officials have recalled thousands of KN95 masks after reviews revealed they did not meet state standards. Yesterday, the Illinois Department of Public Health issued guidance they would not recall previously-distributed masks and advised that first responders use the masks as "crisis alternatives."

New York

As of 04/17/2020, New York has 223,691 confirmed COVID-19 cases and 14,832 deaths. Mayor Bill de Blasio announced all nonessential events, including concerts and festivals, will be cancelled through May and possibly June. This announcement led to the cancellation of two large events for New York City: the Brooklyn Half Marathon scheduled for 04/16/2020 and SummerStage in Central Park scheduled for 06/22/2020. Governor Andrew Cuomo extended the stay-at-home order for the state to at least 05/15/2020; he noted any change in behavior could lead to a longer stay-at-home order.

Texas

As of 04/17/2020, Texas has 17,263 confirmed cases of COVID-19 cases and 421 deaths. San Antonio and Dallas issued emergency orders that residents must wear a face mask in public spaces. The order noted that residents may also use scarves, bandannas, or handkerchiefs in place of a medical mask. In both areas if residents fail to follow the order they will be fined $1,000 and face possible jail time.

Washington, DC

As of 04/17/2020, the Washington, D.C. region has a total of 20,023 confirmed COVID-19 cases with 6,889 in Virginia, 10,784 in Maryland, and 2,350 in the District. The District of Columbia has a total of 86 deaths, Virginia has 231 deaths, and Maryland has 294 deaths. Mayor Muriel Bowser stated residents who filed for unemployment will receive an extra $600 per week starting next week. Residents in Maryland and Virginia who have filed for unemployment will also receive the $600 soon. Mayor Bowser also urged D.C. voters to request mail-in ballots by 05/26/2020 and to fill out their census forms.

End Report