



**COMPARATIVE COVID-19 ANALYSIS:**

**AWARENESS, PREPAREDNESS & MITIGATION MEASURES IN**  
**KENYA**

**Release Date: 27<sup>th</sup> March 2020**

# **COUNTY COMPARATIVE COVID-19 ANALYSIS: AWARENESS, PREPAREDNESS & MITIGATION MEASURES – March 2020**

**CoRG – Consortium of Researchers on Governance** is a professional public policy & governance researchers association bringing together corporate and individual researchers, policy analysts, data analysts, communication experts etc, aiming to improve citizen's engagement in national and county governance.

## **Services**

1. Public Policy & Governance Research
2. Corporate Governance Studies
3. Social & Market Surveys
4. Psephology
5. Public Opinion Polling & Awareness

## **Brief Summary**

**CoRG** conducted a self-funded public-interest research study conducted between 13<sup>th</sup> and 26<sup>th</sup> March 2020, to assess and compare the public awareness, preparedness and mitigation measures being implemented by the national and county governance units, to combat Corona Virus (Covid-19) cases in Kenya.

We aim to provide a basis for an enlightened discourse and supplement efforts of World Health Organization, Kenyan Government Departments, Private sector etc in the fight against Covid-19 spread.

## **Introduction**

COVID-19, Corona Virus Disease 2019, is primarily a respiratory tract infection with similar symptoms to the flu, caused by a newly discovered coronavirus. Human coronaviruses were first discovered in the late 1960s.

Despite quarantine measures in Wuhan and the wider Hubei province, the disease has spread quickly with a significant death toll. The spread is aided by an incubation period of up to 14 days, hence the common quarantine period; however, symptoms tend to be present within 5 days of exposure. The disease is spread largely through bodily fluid (mucous or saliva) in droplets where it is transmitted via contact to eyes, nose, and mouth.

As at 26<sup>th</sup> March 2020, 6.00PM, there were worldwide;

- Coronavirus Cases: 492, 479
- Deaths: 22,180
- Recovered:119,732

Africa has considerable low infection cases, compared to the rest of the world, with Kenya reporting 31 cases so far, and one recovery. Thankfully, no fatality, yet.

## Methodology

### **i. Research Design**

For the purposes of this comparative analysis, the following **7 Key Indicators** were measured;

- Public Awareness on Covid-19
- Source of Information
- Exposure / Risk Factors
- Food availability / Prices change
- Levels of Concern by the public
- Mitigation measures by National and County governments
- Public confidence in National and County governments preparedness

### **ii. Data Collection**

Due to the nature of the survey, Stratified Multi-stage sampling was adopted, with the County being the Primary Sampling Unit.

The Counties were amalgamated into 10 regions (Nairobi, Western, Nyanza, North Rift, South Rift, Central, Upper Eastern, Lower Eastern, North Eastern, Coast) and allocated to 10 teams, targeting adult Kenyans, 18yrs and above, living in urban, peri-urban and rural areas.

A total of 2,365 respondents were interviewed (Table below), the sample size having a 95% confidence level and a 5% margin of error.

<u>Region</u>	<u>Targeted</u>	<u>Contacted</u>	<u>Interviewed</u>
Coast	300	255	241
North Eastern	300	211	202
Upper Eastern	300	242	238
Lower Eastern	300	263	249
Central	300	259	255
North Rift	300	237	223
South Rift	300	258	234
Western	300	269	240
Nyanza	300	254	227
Nairobi	300	291	256
<b>TOTAL</b>	<b>3,000</b>	<b>2,539</b>	<b>2,365</b>

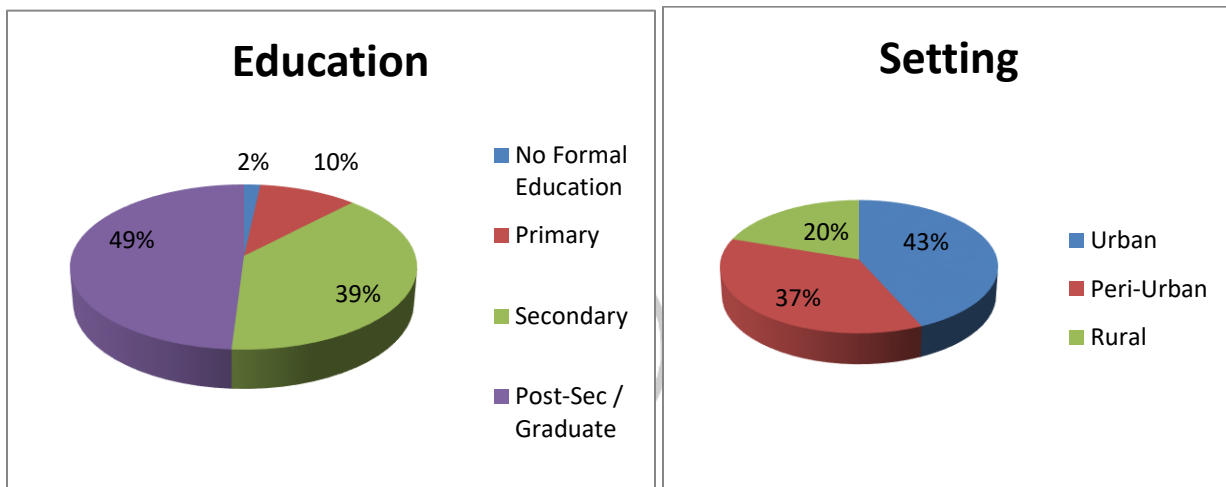
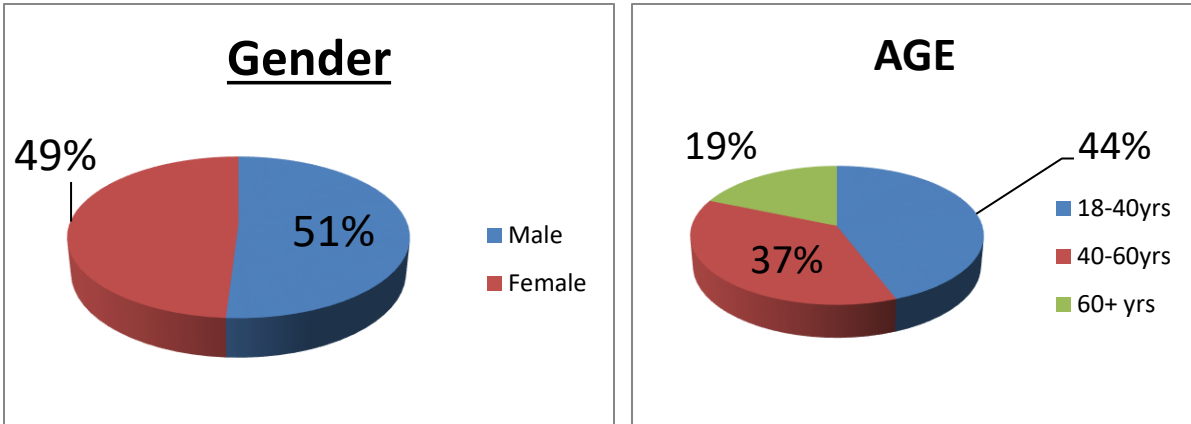
### **iii. Data Collection**

The data was quantitatively collected through KoBoCollect (an OpenDataKit used for primary data collection in humanitarian emergencies and other challenging field environments) due to the potential risk of Face-to-Face interviews using questionnaires. The interview language was English and Swahili.

**iv. Analysis**

Data collected was entered, cleaned and collated in MS Excel, and later exported and analyzed in SPSS.

**v. Demography**



**vi. Ethical Approval**

All participants were informed of the intent and requirements of the study and asked to agree to the consent form without any perceived pressure or inducement. All participants were guaranteed their right to refuse to engage in or to withdraw from this study at any time.

**Secondary Data**

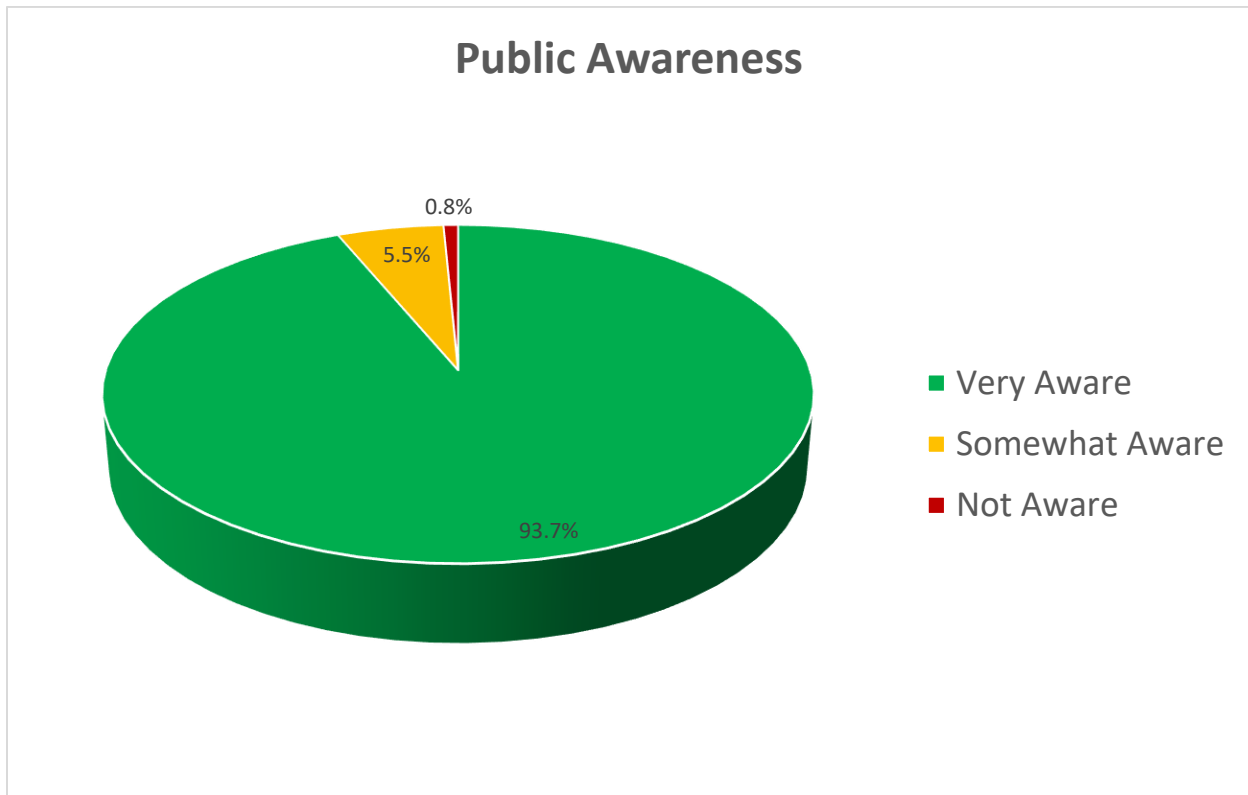
1. World Health Organization / CDC
2. Ministry of Health - Kenya
3. County Governments
4. Online: Worldometers <https://www.worldometers.info/coronavirus/>

**Recent Variables/Events**

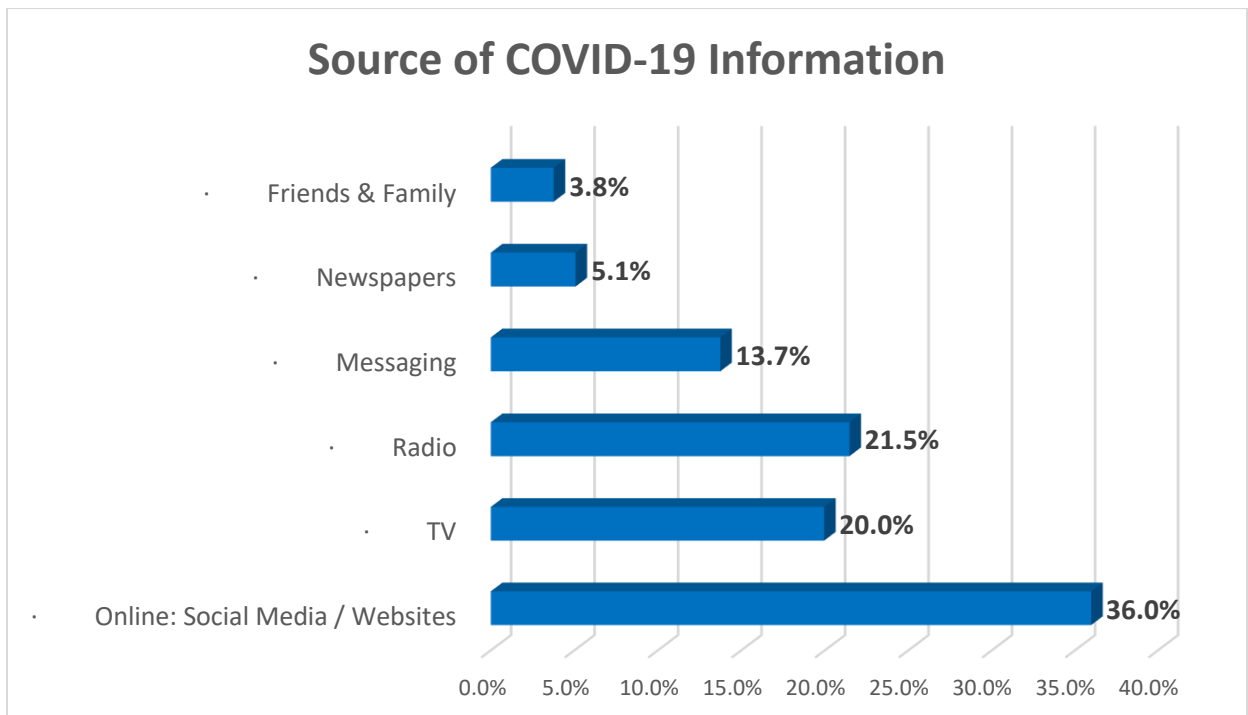
- The number of infection cases, deaths, deaths etc
- The preventive / social distancing measures
- Medical Vaccine (not yet, as on 26<sup>th</sup> March 2020)
- Government interventions; economic stimulus

# PRIMARY DATA RESULTS

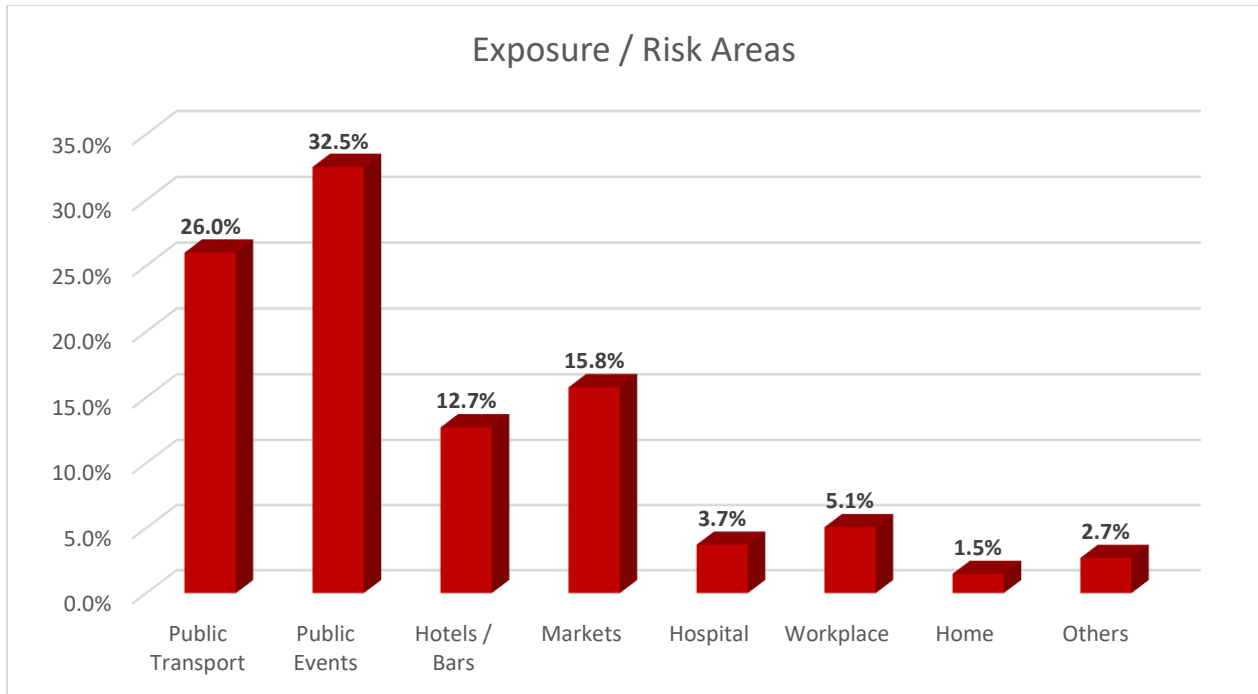
## 1. Public Awareness on COVID-19



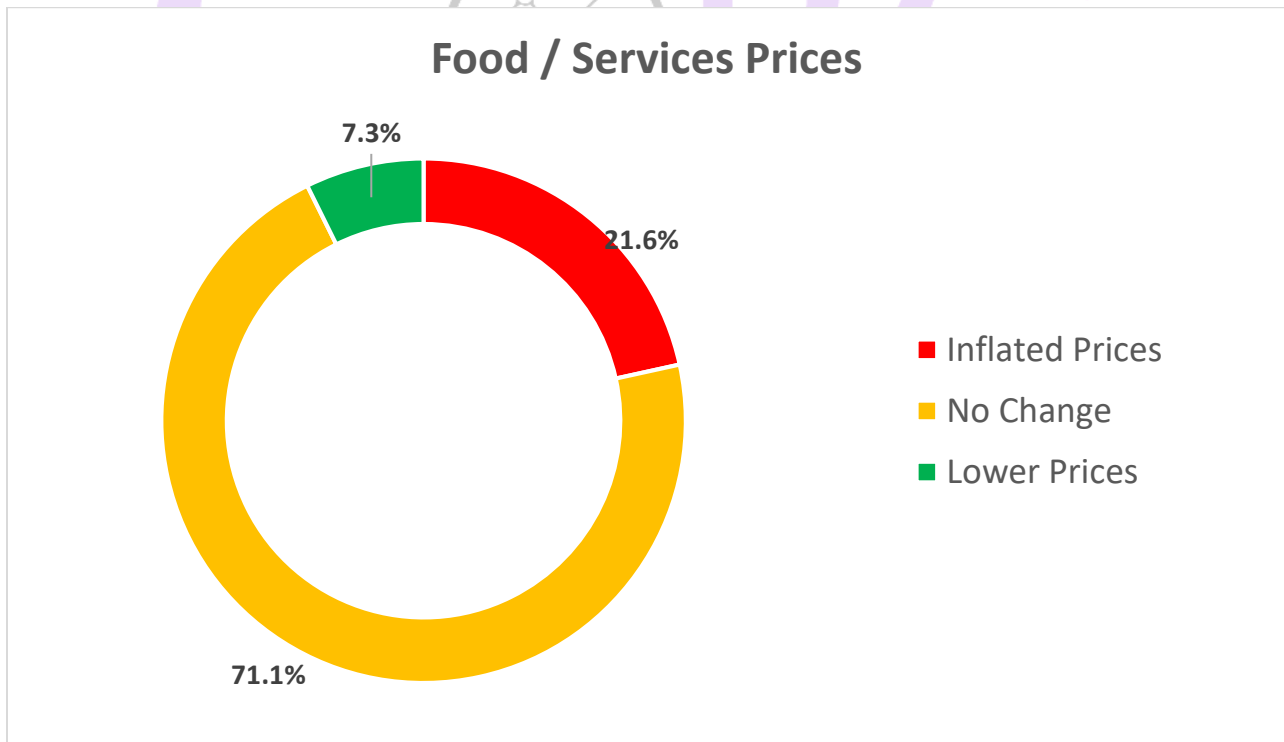
## 2. Source of COVID-19 Information



### 3. Exposure / Risk Areas

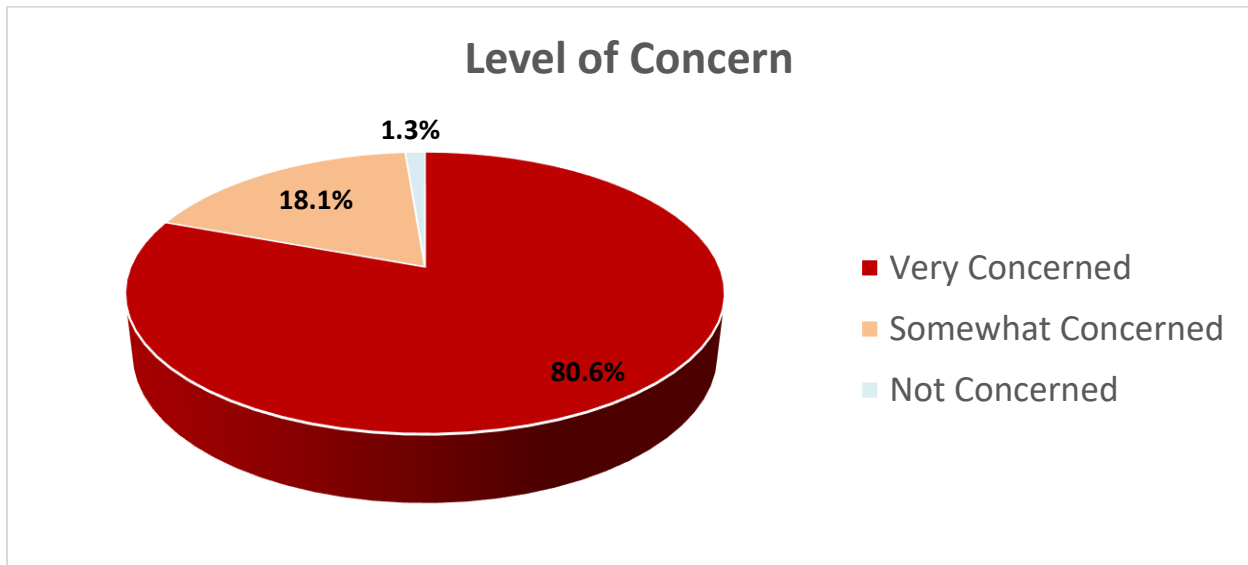


### 4. Food availability / Prices change



- Inflated: Health sanitizers, masks, vegetables, fares etc
- Lower: Internet, Financial services etc
- VAT lowered 16% to 14% (variable under consideration)

## 5. Levels of Concern by the public

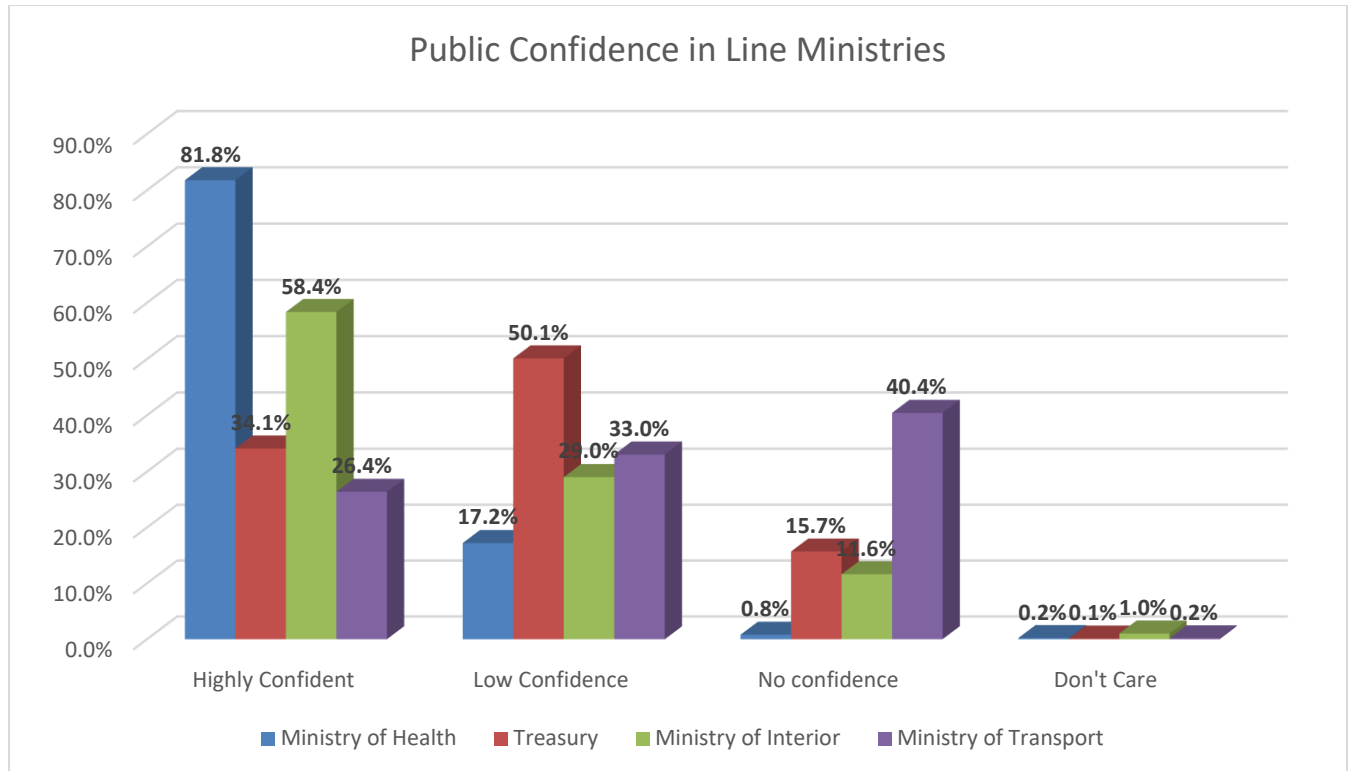


NB: A drop in the Level of Concern after announcement of the recovered patient on 25<sup>th</sup> March 2020.

## 6. Mitigation measures by National Government

- Public Information and Sensitization
  - a. Daily Press briefings
  - b. SMS Messages
  - c. Emergency / Toll-free telephone number – 719 / \*719#
- Public Health;
  - a. Recruitment of additional health workers
  - b. Handwashing Facilities
  - c. Isolation Units / Wards: Mbagathi Hospital
  - d. Diagnostic testing kits
- Enforcing Social Distancing;
  - a. School closure
  - b. Religious meetings / Entertainment spots restrictions
  - c. Ban on social gathering, Religious meetings, Entertainment spots etc
  - d. Public transport / international travel restrictions
  - e. Curfews
- Economic Stimulus:
  - a. Tax Reliefs
  - b. VAT, PAYE, Turnover Tax cuts
  - c. Lowering Central Bank Rate and Cash Reserve Ratio
  - d. Additional cash transfers to the elderly / vulnerable
  - e. Paying pending bills and tax refunds

## 7. Public Confidence in National Government Mitigation Measures











## 8. Mitigation Measures by County Governments











- Public Information and Sensitization
- Emergency / Toll-free telephone number
- Public health
  - Training of health staff
  - Handwashing Facilities
  - Isolation Units / Wards / Kits / Protective gears
- Social Distancing / Ban;
  - Markets
  - Social gatherings, bars, burials etc
  - Matatu terminals restrictions























## 9. Public confidence in County Government's Preparedness / Mitigation










Aggregated (Weighted Average) = (MM % + CL %)/2

Rank	Photo	Governor	County	Mitigation Measures (%)	Confidence Level (%)	Weighted Average (%)
1		Hassan A. Joho	Mombasa	68.0%	65.1%	66.55%
2		Joseph Ole Lenku	Kajiado	64.0%	60.2%	62.10%
3		Muthomi Njuki	Tharaka Nithi	59.0%	62.9%	60.95%
4		Stephen Sang	Nandi	60.0%	61.7%	60.85%
5		Wycliffe Oparanya	Kakamega	58.0%	63.0%	60.50%
6		James Ongwae	Kisii	55.0%	65.0%	60.00%
7		Jackson Mandago	Uasin Gishu	55.0%	64.7%	59.85%
8		Alfred Mutua	Machakos	57.0%	62.5%	59.75%

<b>9</b>		<b>Mwangi Wa Iria</b>	Murang'a	<b>52.0%</b>	<b>65.3%</b>	<b>58.65%</b>
<b>10</b>		<b>Kivutha Kibwana</b>	Makueni	<b>50.0%</b>	<b>65.8%</b>	<b>57.90%</b>
<b>11</b>		<b>Zacharia Obado</b>	Migori	<b>51.0%</b>	<b>63.0%</b>	<b>57.00%</b>
<b>12</b>		<b>Anne Waiguru</b>	Kirinyaga	<b>53.0%</b>	<b>60.5%</b>	<b>56.75%</b>
<b>13</b>		<b>Lee Kinyanjui</b>	Nakuru	<b>51.0%</b>	<b>61.4%</b>	<b>56.20%</b>
<b>14</b>		<b>Mohamed Abdi</b>	Wajir	<b>51.0%</b>	<b>60.7%</b>	<b>55.85%</b>
<b>15</b>		<b>Mike Sonko*</b> (Nat. Govt)	Nairobi	<b>52.0%</b>	<b>59.6%</b>	<b>55.80%</b>
<b>16</b>		<b>Anyang' Nyong'o</b>	Kisumu	<b>51.0%</b>	<b>60.5%</b>	<b>55.75%</b>
<b>17</b>		<b>John Lonyangapuo</b>	West Pokot	<b>49.0%</b>	<b>62.0%</b>	<b>55.50%</b>
<b>18</b>		<b>Mohamed Kuti</b>	Isiolo	<b>42.0%</b>	<b>65.1%</b>	<b>53.55%</b>

19		<b>Ndiritu Muriithi</b>	Laikipia	47.0%	60.0%	<b>53.50%</b>
20		<b>Charity Ngilu</b>	Kitui	47.0%	59.9%	<b>53.45%</b>
21		<b>James Nyoro</b>	Kiambu	46.0%	60.0%	<b>53.00%</b>
22		<b>John Nyagarama</b>	Nyamira	49.0%	56.8%	<b>52.90%</b>
23		<b>Amason Kingi</b>	Kilifi	55.0%	48.5%	<b>51.75%</b>
24		<b>Kiraitu Murungi</b>	Meru	41.0%	59.1%	<b>50.05%</b>
25		<b>Cyprian Awiti</b>	Homa Bay	48.0%	52.1%	<b>50.05%</b>
26		<b>Mutahi Kahiga</b>	Nyeri	42.0%	57.4%	<b>49.70%</b>
27		<b>Mohamud Ali</b>	Marsabit	39.0%	60.0%	<b>49.50%</b>
28		<b>Salim Mvurya</b>	Kwale	40.0%	58.3%	<b>49.15%</b>

<b>29</b>		<b>Patrick Khaemba</b>	Trans Nzoia	<b>38.0%</b>	<b>60.1%</b>	<b>49.05%</b>
<b>30</b>		<b>Cornel Rasanga</b>	Siaya	<b>47.0%</b>	<b>50.0%</b>	<b>48.50%</b>
<b>31</b>		<b>Paul Chepkwony</b>	Kericho	<b>39.0%</b>	<b>57.4%</b>	<b>48.20%</b>
<b>32</b>		<b>Josphat Nanok</b>	Turkana	<b>35.0%</b>	<b>60.6%</b>	<b>47.80%</b>
<b>33</b>		<b>Francis Kimemia</b>	Nyandarua	<b>45.0%</b>	<b>50.0%</b>	<b>47.50%</b>
<b>34</b>		<b>Hillary Barchok</b>	Bomet	<b>40.0%</b>	<b>54.9%</b>	<b>47.45%</b>
<b>35</b>		<b>Wilber Ottichillo</b>	Vihiga	<b>42.0%</b>	<b>52.8%</b>	<b>47.40%</b>
<b>36</b>		<b>Samwel Tunai</b>	Narok	<b>48.0%</b>	<b>46.2%</b>	<b>47.10%</b>
<b>37</b>		<b>Wycliffe Wangamati</b>	Bungoma	<b>43.0%</b>	<b>49.0%</b>	<b>46.00%</b>
<b>38</b>		<b>Alex Tolgos</b>	Elgeyo-Marakwet	<b>39.0%</b>	<b>51.2%</b>	<b>45.10%</b>

<b>39</b>		<b>Martin Wambora</b>	Embu	<b>39.0%</b>	<b>50.9%</b>	<b>44.95%</b>
<b>40</b>		<b>Granton Samboja</b>	Taita Taveta	<b>40.0%</b>	<b>49.8%</b>	<b>44.90%</b>
<b>41</b>		<b>Fahim Twaha</b>	Lamu	<b>38.0%</b>	<b>50.2%</b>	<b>44.10%</b>
<b>42</b>		<b>Sospeter Ojaamong'</b>	Busia	<b>38.0%</b>	<b>48.7%</b>	<b>43.35%</b>
<b>43</b>		<b>Dhadho Godhana</b>	Tana River	<b>35.0%</b>	<b>51.2%</b>	<b>43.10%</b>
<b>44</b>		<b>Ali Korane</b>	Garissa	<b>35.0%</b>	<b>51.0%</b>	<b>43.00%</b>
<b>45</b>		<b>Stanley Kiptis</b>	Baringo	<b>35.0%</b>	<b>48.0%</b>	<b>41.50%</b>
<b>46</b>		<b>Ali Roba</b>	Mandera	<b>32.0%</b>	<b>50.0%</b>	<b>41.00%</b>
<b>47</b>		<b>Moses Lenolkulal*</b>	Samburu	<b>31.0%</b>	<b>50.0%</b>	<b>40.50%</b>

## **KEY FINDINGS**

1. Public Awareness about COVID-19 is high at 93.7%
2. Online: Social media / Websites is the main source of information on COVID-19 at 36%
3. Risk of exposure is highest at public events and transportation at 32.5% and 26% respectively
4. There is no major change in basic food / services prices and availability
5. Kenyans are very concerned about Corona Virus, at 80.6%
6. The Ministry of Health enjoys the highest public confidence at 81.8%
7. Ministry of Transport inspires the lowest confidence
8. Counties initially identified as high-risk by the Ministry of Health, prepared well in advance and set up mitigation measures. The rest are catching up.

### **Contact**

Consortium of Researchers on Governance  
2<sup>nd</sup> Floor, Wu Yi Plaza, Galana Road,  
P.O Box 22340 – 00100,  
GPO – Nairobi, Kenya.  
Email: [research@corg.africa](mailto:research@corg.africa)  
Website: [www.corg.africa](http://www.corg.africa)



### **Contact Person:**

Charles Mc'Olonde  
Team Leader / Data Analyst  
(+254) 723 679354

Rodgers Mogaka Mogusu  
Research Coordinator  
(+254) 729 896338

Tito Sind  
Political Analyst  
(+254) 716 336202

Thank You!