Commentary

The COVID-19 Pandemic: An American Health Divide

Akhil Pedada*

Department of Medical Science, American University, Washington, USA

Description

In a 2019 study by Harris County Health System, Houston, Texas, Dr. Umair Shah, Director of Harris County Public Health, stated; "Where you live often determines how well and howlong you live". This statement by Dr. Shah describes the welldocumented fact that African- Americans and other ethnicminorities living in underserved communities in Harris County orperhaps what should more appropriately be called "under-resourced" [1]communities are at greater risk of infections from the COVID-19. The COVID-19 Pandemic has led to tracking bytargeted zip codes. The results show that, in U.S., there is ahigher incidence of COVID -19 in under- resourced than non-under resourced communities [2]. Besides being under-resourced or underserved, there are also some long-term social factors that significantly contribute to and serve as determinants of the quality of health and social wellbeing of African-Americans and other ethnic minorities. These include: lowincome, overcrowded housing for family size, poor nutrition, limited education, and access to poor healthcare. (See FederalReserve, Survey of Consumer Finance) Figure 1[3].

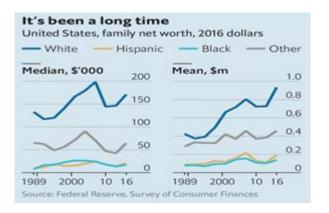


Figure 1: Survey of Consumer Finance.

The Civil Right Bill of 1965 (CRB '65) removed some of the JimCrow Laws that proved to be structural and cultural barriers toBlacks entering mainstream society. However, the effects ofsocial isolation caused by segregation have had long termadverse effects on the biological, physiological and behavioralhealth of Blacks and other ethnic minorities [4]. To a largeextent, research is still lacking to better understand and improve he quality of health for future generations of AfricanAmericans. According to the Center for Disease Control (CDC)and the World Health Organization (WHO), health is defined as:the physiological, mental and social well-being of a person orgroup. Historically, [5] it is well documented that AfricanAmericans born out of American Slavery have traditionally beeninhabitants of socially impoverished conditions. Fast forwardingto the present, African Americans remain the most sociallyvulnerable and the ethnic group suffering from the highest rateof chronic diseases. These diseases include: Diabetes, Hypertension, Obesity, Chronic Obstructive Pulmonary Disease(COPD) and Mental Illnesses. According to the Office of MinorityHealth (OMH), these chronic

diseases have contributed toAfrican Americans having the highest mortality rate associated with COVID-19 deaths [6].Moreover, African Americans and other ethnic minorities havebeen exposed for many generations to long-term toxins inworkplace and other non-workplace environments. There arealso toxins that African Americans and other ethnic minorities have had long term exposure to that are extremely damaging totheir health and well-being [7].

These toxins are well known astoxic behaviors are associated with mental and/or chronic diseases. Veldsman, T (2016). There are also a number of othersocial factors in society that contribute to the disproportionateburden of public health crises on certain populations. These nclude socioeconomic status, age, ethnicity, Limited EnglishProficiency (LEP), overcrowded housing for family size, limitedvehicle access and other cultural and structural barriers. Forexample, due to cost, African Americans are more likely thanwhites to lack health insurance coverage. African Americans aretherefore more likely to go without needed care. AfricanAmericans are more likely to distrust the healthcare system.African Americans also, very frequently, encounter a languagebarrier and discrimination because they speak English less thanvery well, OMH (May11 2020) [8]. Approximately eight percentof U.S. residents report speaking English less than very well andone in five U.S. residents speak a foreign language at home, atthe age of 10. This equates to more than 61 million people,(OMH 2020). One in five adults in the U.S. have limited Englishliteracy levels, of which 34% are Hispanic and 23% are Blacks.African Americans and other ethnic minorities live in areas that are further from high quality medical facilities or where medicalfacilities are well resourced [9]. A recent study by the OMHshowed African Americans and other ethnic minorities are generally more vulnerable to the negative impact of publichealth emergencies and disasters.

That Blacks who were exposed to the health effects of HurricaneKatrina developed higher risk of Chronic Obstructive PulmonaryDiseases (COPD) from exposure to mildew and mold Doheny, K.(2017) [10]. This study is consistent with the OMH 2020 studythat found African-Americans and other ethnic minoritiesexperienced higher rates of injury, diseases, traumatic stress,death and loss due to public health emergencies than non-minority populations Figure 2.

American Indian/Alaska Native and Black Adults are at Higher Risk of Serious Illness if Infected with Coronavirus than White Adults

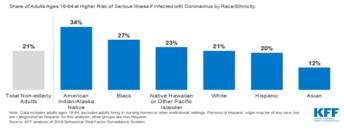


Figure 2: non-minority populations



infected with the coronavirus .This studyindicate that the age range of population studied were adults18-64.As shown in the chart below, (figure 2)of the totalpopulation studied, 21percent were non-elderly adults. What isvery, very revealing in this KFF study is that based on the incomelevel of non-elderly adults, the lower the house income level, the higher the risk References of coronavirus infection. The point being made in the citation of the foregoing studiesis that, a number of health and social challenges place AfricanAmericans and other ethnic minority populations at higher riskfor poor health in the aftermath of the COVID-19 pandemic.

Thisincludes higher mortality, more medical complications, limitedaccess to health care, lower annual influenzavaccination rates, greater socioeconomic, cultural, educational and linguisticobstacles to the adoption of pandemic interventions. The OMH2020 data collection from the COVID-19 pandemic suggests thatAfrican Americans and other ethnic minority populations bear adisproportionate burden of illness and death from the COVID-19[11]. The decline and paucity of black professional schools has alsocontributed to the health inequity in African-Americans andother ethnic minority populations.

As the United Statespopulation continues to grow in number, age and diversecultures, the need for medical facilities in the underresourcedcommunities will also continue to grow. Currently there are 100plus Historically Black Colleges and Universities (HBCU's) that areadjacent to under resourced communities. However, in theentire United States, as compared to their white counterparts, there are only (4) Black medical schools, seven (7) Blackpharmacy schools and forty(40) Black nursing schools to servethe under-resourced communities [6]. Hence, thedisproportionate number of black physicians as compared towhite physicians also contributes to the socioeconomic andhealth/healthcare inequities or needs in under resourcedcommunities.

Today, the shortage of physicians is being offset by the rapidadvancement in computer technology or what is called tele-health [9]. This is making it necessary for HBCU's to expand theirhealth curricula into non-traditional roles in healthcare delivery. That is, HBCU's must now integrate tele-health into their curricula as an outreach to the under-resourced communities. The expanded HBCU curricula not only promote closercommunications between HBCU's and the adjacent communities, this non-traditional HBCU role has also becomeimportant in the removal of cultural and structural barriers.Specifically, this non-traditional HBCU role reverses thein quities that exist in the health and healthcare of under-resourced communities. The formation of Community UniversityTask Force Committees can also be used to better coordinatedifferent community groups to expand the role of HBCUs asinstitutions of higher learning [12].

Conclusion

The primary goal of such joint task force committees would

A study by the Kaiser Family Foundation, KFF(2018) alsofound people bethe prevention and treatment of the aforementioned chronicdiseases in with low household income are at higher risk ofserious illness when African American and other ethnic minoritypopulations. The chronic diseases referenced here are: Obesity, Diabetes, Hypertension, Chronic Obstructive PulmonaryDiseases (COPD) and other respiratory diseases e.g. COVID-19and mental illness.

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