



Efficacy Of Polio Vaccine In Religious, Social And Political Perspectives.

Sumaira Bibi¹, <https://orcid.org/0000-0002-2098-1331> sumaira.bibi@uoh.edu.pk Ph.D. Scholar Abbottabad UST, Lecturer University of Haripur Pakistan
Dr. Asiya Bibi², asiya.bibi@uolh.edu.pk University of Haripur Pakistan
Dr. Usma Anser³, asmaanser88@gmail.com University of Haripur Pakistan

Abstract.

Adaptation is the essence of a progressive civilization, a cursory glance over the Muslim world, can easily give an idea, that the masses in general are very religious, and their outlook about the social, political and health affairs of the community is deeply imbued with Quranic perceptions and the ideals which the Holy Prophet has left as permanent spiritual and moral legacy for His followers. The crucial question before the World of Islam today is, how to create harmony between conventional way of preventive treatment and the Islamic way of preventions as according to the light of Quran and Sunnah. There is a widespread revivalism of religious fundamentalism in every Muslim country, and also there is a growing urge among the masses to incorporate Islam at every sphere of life especially in case of health and the adaptation of preventive measures against contagious diseases

Keywords: Revivalism, Preventive Measures, Contagious disease, Progressive, Imbued.

Introduction

Polio is highly infectious disease and cause paralyzes the whole or a part of body in a matter of hours. During the first half of the 20th century, infantile paralyzes surged like a bushfire moving from country to another country, afflicting large number of children but only in the Industrialized West, even from this virus White House-bound men were not exempt, and President Franklin D. Roosevelt was also affected with this mighty disease which put him on his bulky wheel chair. But till 1990, Western country declared free from polio and the virus found its place in Asian countries. It is hard to believe today just a few years ago Pakistan was on the verge of polio eradication. Unfortunately, the number of cases increased to 15 years records high of 270 in 2014. It is as increase of nearly 60% as compared to 2010. (Stillman, 2014)

Failure to identify and focus on underserved population and mobile groups, operation and planning challenges to deliver vaccination door-to-door to more than 38 million children several times a year and achieving high coverage, overall campaign fatigue in public domain, rumors and perception of oral polio vaccine in some communities. Our neighbor India is declared Polio free by WHO during 2013-2014 in spite of the fact that India contains much more diversity, religious, ethnic and social groups than Pakistan. Indian communities apart from their differences came together with the health sector to get red from the crippling disease but the gap between Pakistani communities seems to be unbridgeable on this critical issue as some religious groups are anti-vaccinator and rest



are the supporter of vaccination. Beyond religious groups there are few ethnic groups who are against polio vaccination teams and the rest of social groups and communities are working for creating awareness about the benefits of polio vaccine. The Problem of Polio virus occurred in KPK during 2012-2014 is due to the migration of migrants from Taliban affected areas into the populous cities, where low standard of living, poverty and ignorance provide a breeding environment for the poliovirus. (Nawazish, 2012).

Pakistan's Polio Problem

History of human civilization provides eloquent testimony that middle classes have always been the heralds of any development. Since 1988 the World has come very close to eradicating polio through the Global Polio Eradication Initiative. A program in which communications have played a consistency central role. This large public health initiative is organized by WHO, Rotary International, the US centers for disease Control and Prevention

(CDC), and the United Nation Children's Fund (UNICEF). Other leading partnership include the United States Agency for International Development (USAID), The Bill and Malinda Gates Foundation, Governments of Polio affected countries, donor agencies, non- governmental and private sector organizations. Primarily through mass vaccination campaigns, these initiatives cut the number of polio cases from about 35,000 in 1988 to 1643 by January 2009.

Mass media and information dissemination approaches used in immunization efforts worldwide have contributed to this success. However, polio is still endemic in Afghanistan, Pakistan and Nigeria. Reaching the hardest-to-reach, the poorest and most marginalized, and those without access to health services remains a critical challenge in all these countries especially Pakistan that have pushed eradication efforts difficult. (Global Polio Eradication Initiative, 2014).

Allah alone decides about sickness or health and no one should interfere. But public confidence in the vaccination program is also low. In May 2012 expired polio vaccines were administered to about 3000 children, further deteriorating the already waving trust in the vaccine program. In addition, suspicion about polio workers worsened after the 2011 US operation to kill Osama Bin Laden. In the aftermath, it emerged that the CIA had recruited a Pakistani doctor, Shakeel Afridi, to organize a fake vaccination drive to try to obtain a DNA sample from the children living inside Bin Laden's Abbottabad hideout. But in spite of all this, Pakistan has come a long way in its struggle to eradicate polio. In the early 1990's there was estimated to be more than 20,000 polio cases a year, now declined to an average of about 280 in 2014 and 30 during 2016, Pakistan became a front line country. Killing of polio volunteer during 2013 also hampered the polio eradication. (Habib, 2014).

In Pakistan where nothing is available free, people do not have their basic needs, basic health facilities, food and nutrition but polio drops are free and available at their doorsteps. This situation further creates ambiguities in the minds of poor communities where already suspicions are high and literacy is too low. Repeated immunization not only increases the chances of greater number of polio cases but also multiplies the suspicions of the drops that why health sector and the WHO is reluctant to vaccinate us there might be something wrong with this vaccination, as they are reluctant to vaccinate, because viral



disease is like a butterfly it cannot recognize international boundaries, and can travel from one country to another country through infected persons. So Western countries are keen to save themselves by eradicated polio from all over the

world they are not trying to save us rather they are trying to save themselves through herd immunization. Pakistan' goal of eradicating polio seems to be difficult but not impossible.

Vaccine Induced Paralytic Polio.

Polio Drops are No One Cause of Polio Paralysis in Pakistan

Evidence suggests that the polio epidemic of the 1940s was caused by vaccination itself, and by exposure of pesticides.

According to a Biostatistics expert Dr. Bernard Greenburg,

Prior to 1954, paralytic polio would be diagnosed if the patient was still exhibiting symptoms after 24 hours. In 1955, the doctor had to wait until 10-20 days after onset of the disease, with an additional examination 70 days later before he could class it as polio. This wiped out the majority of reported cases, making the vaccine seem really effective. Paralysis which would have been recorded as polio prior to the vaccine, is now called by different names, like Guillain-Barre Syndrome and Acute Flaccid Paralysis (AFP). According to a WHO document, up to 2.4 of children per 100,000 get Guillain-Barre Syndrome. (Faraz, 2013).

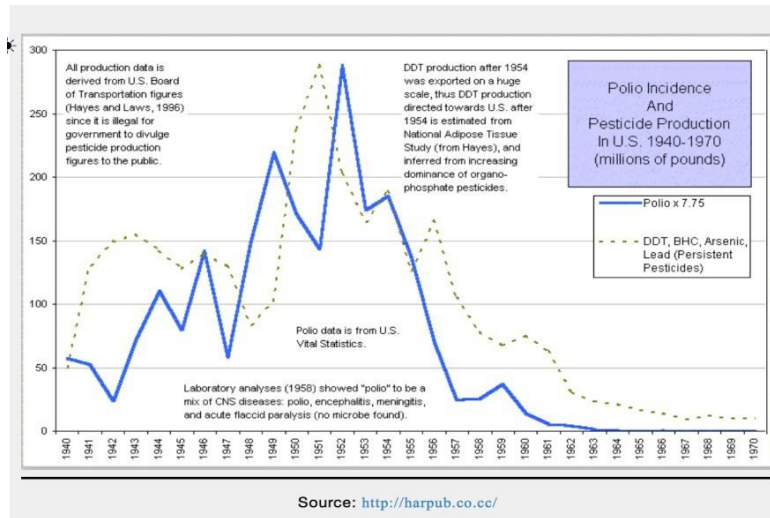
So cases of polio haven't really gone, they are just covered up. For centuries polio was almost a harmless enterovirus, it was a simple stomach bug until the late 19th century. New pesticides that were created and used during the 1900s e.g. arsenate and formaldehyde allowed the virus to access the nervous system, thus impacting the spinal cord, which causes paralytic polio called poliomyelitis. The supporters of vaccines have the assumptions that it was vaccine that had eradicated polio but there are people who do not believe about the efficacy of Salk (IPV), and Sabine (OPV). In the United States itself people have reservations about the effectiveness of poliovaccine

Jim West Stated,

The Vaccination programs are irrelevant to the decline of polio, while pesticides correlate perfectly with polio. The unfunded, ostracized theory of poison casualty far exceeds all other theories in simplicity, exactitude and directness regarding correlation within all data areas, dosage, physiology, etiology, epidemiology, economics and politics. It is also a matter of great concern for the Muslim when Polio has been eradicated from the European countries but only present in the Muslim countries. If polio vaccine had eradicated the virus successfully then why it has failed in the eradication of polio virus from the Muslim countries, where the mass immunization is carrying from last two decades. There are much more vaccine induced polio paralyzes cases in India although it is going to attain the status of polio free country from World Health Organization. Muslim countries are facing much other problem e.g. poverty, ignorance may be secondary

causes of more polio cases, but the primary cause is polio vaccine itself for creating new cases. There is an emerging need to make better the life style of poor people in the Third World Countries. (EPI, 2014)

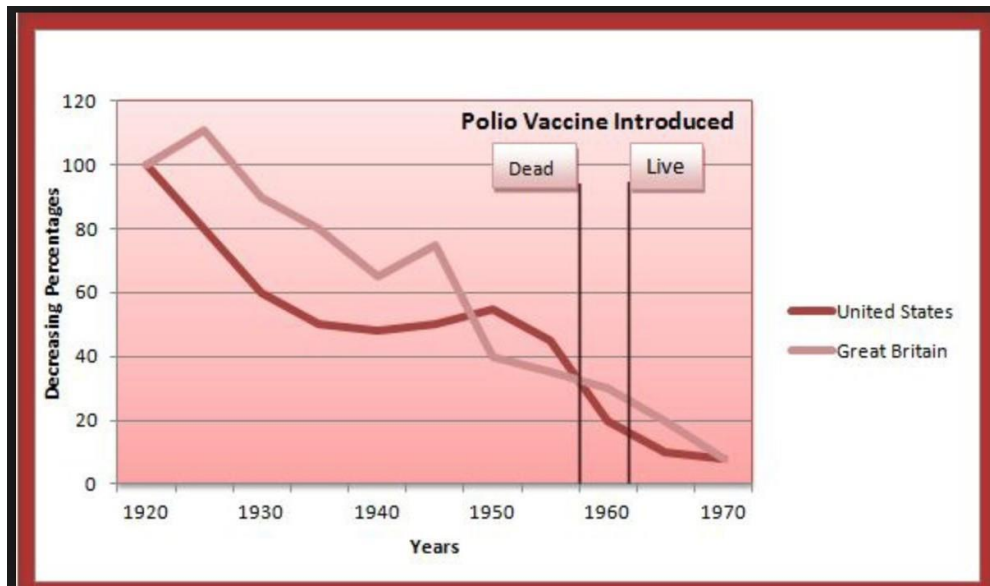
Figure 3: Polio Outbreak in United States during 1940-1970



Polio was sharply on the decline long before the vaccine came along. The height of the polio epidemic occurred during the great depression when living conditions had gotten worse. According to the CDC, 95% of polio cases are asymptomatic, in 4% symptoms are mild (slight fever, headache, sore throat and vomiting). In just 1% of cases there is serious injury. Polio is spread by drinking contaminated water or through contact with the stool of an infected person. Less frequently it is spread through contact with infected saliva. So cases of polio haven't really gone, they are just covered up. Although WHO officially declared India polio free since 2014 but there are innumerable cases of vaccine induced paralytic polio and Acute Flaccid Paralysis patients. Two doctors from Delhi St. Stephen Hospital Nit Hashish and Jason Poliyel compiled data from the National Surveillance Project, found direct link between polio and AFP cases. (Vaughan, 1991)

Furthermore in some cases (12 out of 100,000) polio vaccine cannot make compatibility with the infants natural immune system consequently, the chances of Auto Immune Diseases may be increased in which a patient's own immune system can attack on healthy cells of his body and causes paralytic illness in the whole or some parts of the body. The supporters of the vaccine despite knowing the side effects of vaccine asserted that in this way we can save million children through herd immunization at the cost of the lives of those 12 unfortunate children, who get polio by the polio vaccine. (Alwand & Maher, 2006)

Figure 4: Vaccine Induced Paralytic Polio.



Source: <http://harpub.com>

There has not been a naturally occurring case (meaning not vaccine induced) in the US since 1979 yet we still give 4 rounds of this vaccine. The vaccine actually causes more cases of polio than naturally occur and can cause paralysis. In India, in 2010 there were 42 naturally occurring cases but at least 100 cases of vaccine induced polio paralysis. While polio is eradicated in most parts of the world, in 2012, about 220 cases were reported mainly in 3 countries (Afghanistan, Nigeria and Pakistan). The need for a vaccine continues to be debated since not only does the vaccine cause harm, but also the disease was dying out on its own without avaccine.

Polio Politics

Polio is highly infectious disease and cause paralyze the whole or a part of body in a matter of hours. The annual cases of polio in Pakistan, which were estimated to be more than

20,000 cases each year in early 1990's, decreases to around 30 cases in 2005. It is hard to believe today but a few years ago Pakistan was on the verge of polio eradication. Unfortunately, the number of cases increased to a 15 years record high of 198 in 2012-2013. It is an increase of nearly 40% as compared to 2011.

During the high transmission season the virus spread more widely in the year 2014, including the areas that had been polio free. The key challenge to polio eradication are limited oversight and accountability at the district and union council levels, failure to identify. Operational and planning challenges to deliver vaccination door-to-door, maintaining cool chain for the vaccine in case of shortage of electricity supply especially



during summer season and overall campaign fatigue in public domain, rumors and misperceptions of oral polio vaccine are real impediments in the way of eradication of polio. (Stillman, 2014)

Pakistan became Polio-istan

In Pakistan perceptions are much stronger than realities. Pakistanis have technological information and a nuclear country but they practice and live in the Stone Age. Low living standards, low religious education, low implementation of modern values and modern science led to the strengthen of suspicions and doubts. Polio free Pakistan become a dream of every Pakistani, because is going through its development process In some areas Polio workers have been killed and threatened to sabotage the efforts of Polio eradication in Pakistan. Almost seventy volunteers have been killed since last year. Attacking and killing female health workers is an assault against each child in Pakistan. (Junaidi, 2014).

To make matters worse, most of the new cases have occurred in children already vaccinated. Some religious and ethnic groups in Mansahra District also accusing that through inoculation doses the US attempting to paralyze children and it is OPV responsible for the outbreak of polio in Pakistan. Because medical data suggests that the vaccine has changed in its efficacy against the disease. In 2014, 260 cases of infected youth, and 107 of these had been administered multiple polio vaccinations. These figures are the largest the Polio Global Eradication Initiative has seen in 2009, despite heavy treatment in the most affected areas.

The type of polio vaccine administered may be a significant cause of the problem. There are two main types of polio vaccine, Inactivated Polio Vaccine (IPV) developed by Salk

being disseminated throughout the US in the 1950s, in which dead cells of polio virus had been used to evoke immune system of human beings, and OPV (Oral Polio Vaccine) developed by Sabin which contained live attenuated virus to quell the outbreak that was then infected roughly 22,000 American children each year. Within 20 years, polio was all but forgotten in America and now it is a nightmare for them.

However, the Polio Global Eradication Initiative chooses to use the second type, Oral Polio Vaccine to eradicate from the masses. OPV was developed by Albert Sabine and runs the virus through a number of animals in order to weaken the strain rather than kill it. The weakened strain then ingested into the bodies of little infants through mass immunization campaigns and door to door visits. (WHO, 2014)

The problem is partly driven by migration from Taliban-affected areas into the populous cities, where poor, cramped living conditions provide a breeding ground for the virus. (Edward, 2014). The tradition and superstition also play a role. Marriam is a seven-month old girl, whose family of migrant laborers from Bannu, on the edge of the tribal belt is now living at the edge of the city. She too became infected, her grandfather, a Pashtun Tribesman, recently confronted health workers seeking to enter his home,

He said,



You told me she is never going to recover, so what is the point of anyone coming in? He shouted angrily, that he has given up on modern medicine; his faith is now in God. Nobody could see, he explained hopefully, because preacher had ordered him to sequester her in the house for 40 days. (CDC, 2014).

Spread of Polio Virus from Pakistan to other Countries

Public awareness is the key factor to eradicate contagious disease like polio. It is a rather crucial task combating this dangerous disease in a seething highly populated nation, as for a Polio remains active in Pakistan and two other nations (Afghanistan and Nigeria), it remains a threat to the rest of the world. 2014 outbreaks of China and the Middle East have been traced back to Pakistan. The World Health Organization has now declared Polio as an International Health emergency and from June 2014 all Pakistanis overseas travelling will have to prove their vaccinations are up to date or face travelban. (Shah & Watkins, 2014).

The WHO said,

The spread of polio is an international public health emergency that threatens to infect other countries with the crippling disease. The public health of the United Nations, issued its new guideline to fight the disease recommending Pakistanis travelling abroad should present a polio vaccination certificate “The inevitable has finally happened in April 2014, the World Health Organization (WHO) decided to impose strict travel restrictions on Pakistan. The decision was taken on the recommendation of the emergency committee of WHO. Polio disease is a viral disease which infected children under five year, but adults can be a carrier of this disease. In 2013 there was evidence that adult travelers contributed to this spread during 2013 and 2014. Polio Virus can affect under five years of age but the adults can be a carrier for the virus from one person to another person and from one country to another country. (Blum, 2013).

Naeem Munir, a polio health worker also been shot at and the other of his close member were killed in January 2014 but still he is paying his duties, still he preserves, risking his life to do the vital ground work so that the crippling even deadly polio disease can be cauterized.

This is my mission, I see myself as a soldier I don't want to see my country paralyzed. In 2014, almost 50 polio volunteers have been killed during door-to-door polio vaccination campaigns.

Government Maligned Religious Scholars in the Spread of Polio

It is, however, Mullah's are responsible for inciting innocent people in support or against polio drops but the reality is that without having sufficient scientific knowledge they never knew about what these drops contain, whether these are permissible in Islam or prohibited by Islam. They just know that these drops are sending by Yahoood -o-Nisara and hence these drops are not benevolent for us. As these Mualna's never mind to drink coke and they have no problems in taking other conventional medicines of Yahooo-do-Nisara.



Opinion of religious scholars about the authenticity can be changed because they are vulnerable and have been divided in the perspectives of Islam. Their opinions about the admissibility of the polio vaccine can easily be manipulated and maneuvered. Although they can play an influential role in changing opinion about the acceptability of polio vaccine but they themselves do not possess sufficient knowledge about the ingredients of polio vaccine or the process from which the polio vaccine have gone through. Their arguments in favor or against polio vaccine largely based on limited scientific knowledge and narrow mind set towards the flexibility of Islam pertaining the adoption of preventable measures. But government on the other hand consistently maligning Mullahs for their instigation against polio vaccination, a Mullah can only instigate he might not be able to prove that polio vaccine can cause infertility, or it contains some harmful contents, how it interrupts the natural

immune system of a human body. It seems that government is handicapped without the help of Mullah in the eradication of polio where religious scholars have double standards and unable to make clear consensus. With the dual perception and limited medical knowledge Mullah's influence is not result oriented. Muslim Medical researcher and Physicians can make consensus to reconcile neutral religiousulema. (Ghafoor& Sheikh, 2016)

Environment of Disarray and Distrust

To accept or to reject polio vaccination is an individual decision, WHO's workers are of the view that religious communities are asking for the authenticity of polio vaccination, it is not however Western made vaccination which is to be proven but in Pakistan high temperature, low infrastructure facilities and negligence are equally responsible to keep the vaccination in a cool place before it gets expiry. The eradication inspired many panariod theories amongst less educated Pakistanis as some people are convinced that the vaccine is prepared by non-Muslims to somehow weaken the physical strength and Islamic faith of Pakistan children making like kids in the West.

Public opinion about vaccination includes varied and deep-seated beliefs, a result of the tension between divergent cultural view points and value systems. Several key cultural perspectives on vaccination stem from individual rights and public health stances towards vaccination, various religious standpoints, vaccine objections and suspicions and distrust of vaccines among different U.S. and global cultures and communities. Khan, a 42 Years old Lawyer of Peshawar city said,

These vaccines are meant to destroy our nation, the local clerics have made accusation that the polio drops make men less manly, and make women more excited and less bashful. Our enemies want to wipe us out. However, trust goes both ways, the US has a history of infiltrating groups under ruses and just plain outright deception and trickery. We, and all other Muslim communities do stupid things but do not do moronic things. These vaccine have been used to sterilize the Jews , as the same tactics are being used to sterilize our coming generations. (Renne, 2010)



The distrust is divided into three categories

(i). Religious Distrust

Religious extremists on one hand are of the view that the polio vaccine contain harmful elements to limit Muslim races, and it is not permissible in Islam to take filth as medicine to prevent any disease. This perception is a clear contradiction of using some other conventional medicine which made up of pus cells, organs or body parts of animals which are haram and not permissible in Islam. The religious orthodox do not make any accusations regarding all those allopathic and homeopathic medicine which prepared from prohibited materials, the only Polio vaccine is unacceptable for them. Certain religions and belief systems promote alternative perspectives towards vaccination. Religious objections to vaccinate are based generally on ethical dilemmas associated with using monkey tissue cells to create vaccines and beliefs that the body is sacred, and should not receive certain chemicals or blood or tissues from animals and should be healed by God or natural permissible means.

(ii). Social Distrust

Some segments of the society do not want to get vaccinated their children, such people may be find out in Western countries also, who believe upon the child immunity itself, and do not want to get artificial immunity for infants. The statement “distrust of outsiders is another major obstacle, brutality dramatized by the targeted killings of polio vaccine workers” is a total lie of omission. It is acceptable for the Muslims to use Western medicines, Western mode of transports, Western mode of communication, Western firearms, nuclear weapons but not Polio Vaccine.

(iii). Political Distrust

There is trust deficient on the Government Planned Health Programs especially after the case of Dr. Shakeel Afridi, further there have been reports of the funds embezzlement of the volunteers who are putting their own life for door-to-door campaigns for only 300 Rs per day. Present Government and the past Government could not fulfill the pledges of providing electricity, which is a basic requirement especially in the hot summer to maintain the cool chain of polio vaccine, so in the non-availability of electricity, the efficacy of the vaccine may be affected. So it is not merely extremism that has hampered polio eradication efforts in Pakistan. There are critical issues on behalf of government and the local health officials. (Mehmood, 2014)

Peshawar City as a Hub of Polio Virus

WHO declared Pakistan’s troubled northwestern city of Peshawar as the worlds “largest reservoir” of endemic Polio and called for urgent for boost vaccination. Polio is also endemic in Afghanistan and Nigeria but of three countries only in Pakistan saw a rise cases from 2012 to 2013, the WHO said in a statement

With more than 90% of the current Polio cases in the country genetically linked to Peshawar”. A major outbreak of Polio in the Federally Administered Tribal Area along the Afghan border, which has left 65 children paralyzed, is being “sustained”



by Peshawar. The city of four million is the main urban center of the northwest Pakistan and acts as an amplifier of the Poliovirus.

Peshawar is considered the hub of polio virus where the genetic linkage of 83% cases comes from Peshawar. It means, in 83% cases the virus was spread from Peshawar and there are trillion of viruses in the sewerage water of Peshawar. The density populated Peshawar valley is considered to be the main "engine" of Poliovirus transmission, alongside North Waziristan, due to large-scale population movement through Peshawar from across this region, and into other areas of Pakistan. Public health officials battling childhood disease through vaccination in KPK, where militant attacks are daily routine, poverty is entrenched and many people are suspicious of programmers enthusiastically backed by Western powers.

KPK government, backed by UN agencies, is currently on a war footing against polio in particular because Peshawar, the province's teaming capital, has become a global health problem. The historic frontier city is one of the last remaining redoubts of polio, the virus that cripples and kills children and which has been eradicated in every country except Pakistan, Afghanistan and Nigeria. Cases from around the world, including China and Syria, have been genetically matched to the Peshawar strain.

During 2014, The World Health Organization declared the city the "largest reservoir of endemic poliovirus in the world", a problem caused in part by the city's open sewage channels and broken water pipes. Spread through contact with human faces. Within the neighboring tribal areas, Peshawar acts as a central exchange and an "amplifier" for a disease carried in and out of the city by the tens of thousands of people who pass through every day, including a huge population of refugees who fled Afghanistan in the 1980s.

Bilal Ahmad President UNICEF Peshawar said,

"The problem with Peshawar is that we always have cases there, in other districts the virus comes and goes, but it never leaves Peshawar, which tells us it's source. The WHO says more than 90% of cases around the country and in neighboring Afghanistan are genetically linked to the city. (Ahmed, 2014).

Geographic Diversity, Conflict and Population Displacement

India was considered a hardest place to eradicate Polio, because of its ethnic, religious, linguistic and geographical diversities. While Pakistan faces hurdles India has celebrated its Polio free status in 2013. India's Polio eradication program was largely funded and strongly managed. India boosted surveillance and immunization efforts to vaccinate hard-to-reach communities. To counters rumors and misgivings about the vaccine, social mobilizes, religious leaders and parents were included to increase understanding about immunization.

In Pakistan however, besides these regional and social conflicts flux of refugees from North Waziristan to Peshawar and Hazara Districts during Army Operation against Militants and during flood period in every summer season results in population



displacement and settlement in new areas. Where prevention from all contagious disease especially polio becomes impossible.

Reaction to Drone Attacks.

(Nixes between Polio Vaccine and Drone Attacks)

Identity is the primary resource in a war against an idea. The distrust is not a mindset which reflects in shape of refusals of administering polio vaccination. There are numerous Drone attacks on Tribal areas in Pakistan from U.S., and covert operations and CIA scandals. Almost every resident of North Waziristan has become a mentally sick, because on one hand the U.S. spends millions of dollars to eliminate polio, while on the other it kills hundreds of people by Drone Attacks. Thus the trust goes on both sides Taliban have also accused polio door-to-door volunteers that they are putting chips to cooperate appropriate drone attack upon a required target.

Polio Vaccination and the Case of Dr. Shakeel Afridi

Anti_Polio vaccine campaign have been targeted by the militants in Pakistan, since US intelligence officials used a fake vaccination program to help in their hunt for Osama Bin Laden in 2011. Under cover of the program, the CIA sought to collect DNA samples from the relatives of the Al-Quida leaders to verify his presence in a compound in Abbottabad. So militants are accusing that Polio vaccination campaign is a preplanned political agenda of the Western countries and it also has been used to sterile Muslim children.

DrShakeel Afridi ran Hepatitis B Vaccination Campaign instead of Polio Vaccination, it had been wrongly propagated by Media and Press that Dr. Shakeel Afridi ran a Polio Vaccination Campaign in search of Osama Bin Laden in Abbottabad. Because in Oral Polio VaccinationVolunteers have to put two drops instead of taking any DNA test. But Dr. Shakeel Afridi's campaign have made all kinds of campaign biased, unreliable and suspicions especially in those Tribal areas of Pakistan where literacy rate is too low and suspicions are too high. Besides these militants groups there are several religious, ethnic and social groups involved in false propagation of Polio Vaccine. DrShakeel Afridi has sowed the seeds of distrust in the hearts of parents.

Driving Pakistan to Stone Age.

It is not merely extremism that has hampered polio eradication efforts in Pakistan but conservatism and ignorance are the key factors. If polio vaccine is doubtful or prohibited by religion then there should be enough capability of making halal vaccines or the adoption of preventable measures from polio as prescribed by Qura'anand Sunnah. The fanatics should give some religious solution or give some halal ingredients which can act equally against the disease. These are the people who have facilitated themselves by other Western made technologies in order to make their lives better, rather they are taking other Western made medicine without any doubt. If polio vaccine is prohibited then all other Western made medicine should be banned. Muslims cannot boycott Western made medicine as they don't want to drive Pakistan into Stone Age. On the other hand European countries maligning that this is not a "polio virus" which have infected many children instead, but a mindset and it would be better if there would have been any vaccine to cure



this particular mindsets. The UN countries spend million dollars every year to prepare polio vaccines for the betterment of all communities, but the Muslim polio endemic countries considered it an instrument to stop either their races or to poison them with the unacceptable ingredients of polio virus.

Burdon of Proof” falls on Independent Researchers

It may look strange why the tribal are against this move to immunize against Polio. But the way the US is dealing with the area by Drones and how they use to ruse Osama and killed him in cold blood, and the way the US disposed Osama’s body is shameful and barbaric. The challenge of the say is to work out a comprehensive plan for social reorientation of dogmatic and fanatic people by panels of psychoanalysts, enlightened, religious, political and civic body’s leaders of the area to rid these people mentally from biases, prejudices, and fixations of all types. Of course this is a Herculean task that needs to be undertaken by pooling all kinds of sources by all the concerned countries and communities. The old sayings, “Thou shalt not suffer a witch to live” means that interfering with the Almighty’s disease-propagation program is mighty uppity, bordering on blasphemy.

Informed Consent and Reconciliation

There should be more and more campaign on social media and print media. As if people know the risk the more and more children will get vaccinated, because it may be worse than cancer. If Coke and all other foreign medicines are allowed, then it is illogical to refuse Polio Vaccinate. Western countries may have numerous others gateways if really they wanted to make our coming generation sterile beyond Polio Vaccination campaigns. There are number of conventional medicines and homeopathic medicines which prepared from haram substance or the ingredients which are not permissible in Islam e.g. some homeopathic medicines prepared from pus cells (Nosodes), serum of calf, skin of snake and other insects. Conventional medicines also consists of harmful compounds but these are used to cure different ailments and their use as medicine has never been as issue of acceptable or non-acceptable in the context of Islam. Muslim communities are using these medicines for treatment may be in complete ignorance about their ingredients or from which source they have been prepared.

Clearly a deliberate policy to isolate Pakistan from the rest of the world. A CIA humanitarian program to trap Osama Bin Ladin through fake vaccination campaign. This fake vaccination campaign has poisoned the minds of local clerics of frontiers. But it is a clear contradiction of using other technological advancement made by the West and rejecting Polio Vaccination. A general perception prevailed since 2011, that United States is trying to safe Muslims through mass immunization programs on one hands and simultaneously killing innocent children by Drone Attacks on the other hand, this is a dual policy, how a man could accept polio drops of Western Countries whose beloved family members has been killed by the Drone Attacks, there would be refusals of polio drops on this behalf which is far beyond from the religious, social and Conservativeness.

Conclusion

The real root of this disease is poverty. Because polio disease has been seen in the poor communities with low immunity and self-defense against the disease and second ally



unhygienic conditions in rural areas. The number of polio cases jumped in the extreme as soon as the (OPV) Oral Polio Vaccine came into use. The areas in Pakistan highest by polio are the areas that are “most vaccinated”. Because within twenty four hours of getting vaccine, OPV will contain live attenuated virus secret out in the feces of a vaccinated child, and the places where people do not have sufficient facilities of flowing water and toilet polio virus circulates again through the contaminated hands and contaminated water.

The actual problem is not polio virus as this debate revolves against poor hygiene, poverty, insufficient sewerage facilities, and low immunity due to nutritional deficiencies. Government continued to emphasize on OPV but the situation requires good nutrition, availability of sewage system in rural areas and practicing good hygiene by performing five times ablution. If all these facilities are available then there would not be any polio and Pakistan may become polio free without immunization. Another root cause is vaccine itself. The number of cases of polio jumped in the extreme as soon as the polio vaccine came into use. The areas in Pakistan highest by polio, are the areas that are '**mostvaccinated**'.

References

Aylward R.& Maher, C,(2006). Interrupting Poliovirus Transmission—new solutions to an old

Problem, *Biologicals*, Vol.34,(2), P- 133–139.

Bhatnagar, N. Grover, M, Sinha, S and Kaur, R. (2013). Poliomyelitis Eradication: Rhetoric or

Reality, *Asian Pacific Journal of Tropical Disease*, Vol.3,(3), P- 240–241.

Edward, M. (2014), The Polio Emergency Broadcast, BBC, Retrieved from

<https://www.bbc.com/news/world-27284389>

Faraz, S. (2013), Polio Sa Pak Pakistan, *Sunday Magazine*, Retrieved from

<https://www.dawn.com/authors/4747/shabina-faraz>.

Khan. T, Abbasi B. H. (2016), Why is Pakistan a threat to ‘The Polio Eradication and Endgame

Strategic Plan 2013–2018’? A look into the past decade, *International Journal of Infectious Diseases*, Vol (2), P- 4–6,

Nawazish, A. M (2012), A New age of Polio in Pakistan, *The News*, Retrieved from

<https://globalizationandhealth.biomedcentral.com/articles/10.1186/s12992-016-0195-3>

Stillman, S. (2014), The Political Fight of Polio, *The New Yorker Publication*, Retrieved



from

<http://www.newyorker.com/magazine/2013/08/12>.

Santana, R. (2014), Pakistan Grappling with Polio Fights, Madison Park, Retrieved from

<https://globalizationandhealth.biomedcentral.com/articles/10.1186/s12992-016-0195-3>

Sheikh,N&Ghafoor S. (2016). Eradication and Current Status of Poliomyelitis in Pakistan: Ground

Realities, Journal of Immunology Research, Retrieved

<http://dx.doi.org/10.1155/2016/68378>.