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AN ENDANGERED SPECIES?

BY

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30TH INAUGURAL LECTURE OLABISI ONABANJO UNIVERSITY AGO-IWOYE.

Tuesday, 27th April 2004

The Vice-Chancellor,
Principal Officers of the University,
Provosts of Colleges and Deans of Faculties,
Colleagues, Friends from Sister Universities and Institutions
Our Royal Fathers,
Gentlemen and Ladies of the Press,
Distinguished Ladies and Gentlemen,
Great OOUITES!

PREAMBLE

You are all welcome to this 30th Inaugural Lecture, the third from the Department of Paediatrics, Faculty of Clinical Sciences, Obafemi Awolowo College of Health Sciences. The title of this lecture is "THE NIGERIAN CHILD: AN ENDANGERED SPECIES?"

My personal experience in the care of critically ill children both within and outside the Olabisi Onabanjo University Teaching Hospital within the last few years has influenced my choice of title for this lecture. I have witnessed needless deaths on a daily basis and have witnessed anguish and deep pains by bereaved parents on a scale similar to that of a nation under siege.

Perhaps I would have been discussing paediatric haematology, which is my area of sub-specialty, if this lecture had taken place about five years earlier. However, the magnitude of the current crisis in our health sector has made it imperative for the health problems of the Nigerian Child to be discussed in a holistic manner.

To "endanger" means to put someone in a precarious situation where he/she can be hurt, injured, or killed. When the exposure persists over a period of time, a crisis point is reached and the subject or animal species is classified by conservationists as an endangered species, that is, a species that may soon no longer exist. A classical example is the whale, which, as a result of continued poaching, has now been officially classified as an endangered species. We are all familiar with the frantic and sometimes amusing efforts made to protect these animals.

The last few years have indeed witnessed an unprecedented increase in morbidity and mortality from preventable diseases in our

paediatric units across the country. From personal experience over the I seventeen years since I joined the service of the Olabisi Onabar University Teaching Hospital and from interactions with colleagues several Teaching Hospitals, it is obvious that the situation has now reach a crisis point.

I, as one of the custodians of these children, have the mo obligation to speak out loud and clear to alert the nation, otherwise I will as guilty as those who have led us into this unfortunate situation.

You will all agree with me that there probably cannot be a bet opportunity for me to do so than now.

INTRODUCTION:

Children have always been acknowledged as 'leaders of tomorro and there is no doubt that the future of any nation is determined largely the quality of her children. Unfortunately, there has always been disregard for the welfare of children, dating back to biblical times: In 1 book of Mathew chapter 19, verses 13 and 14 we are told how the discip of Jesus almost prevented. Him from attending to little children who we brought to Him to be prayed for. The children were considered as a munisance who were not worthy of any attention.

I recall vividly that when I was appointed Head of Paediatrics 1988, we tried to set up an oral rehydration therapy and diarrhoea train unit (DTU) at the teaching hospital in Sagamu and I approached the tl Chief Medical Director for approval of an identified block as the ORT units response was that we didn't need any room since oral rehydrat therapy could be carried out under a tree! We never got the space requested for and we had to carve out a little portion of the children's was our ORT/DTU.

In like manner, successive Governments in Nigeria (both military a civilian) have not given sufficient attention to the welfare of our childre. The consequence is that our physical, political, economic and socenvironment, as presently constituted, cannot guarantee a secure future our children.

We are currently paying dearly for the neglect of yesteryears a our action or inaction today will determine the fate of future generations.

assassins currently on the prowl are the products of a neglected generation justice and equity. and that poverty is an obstacle to peace. There cannot be peace without customized bullet-proof cars. Perhaps they need to be reminded that the insecure .The craze among the ruling class now is the purchase of While the poor daily face the threat of extinction, the rich feel highly In the mess in which we have found ourselves, even the rich also cry.

OURSELVES IN THIS MESS? DID WE SET ANY GOALS, OR HOW COME WE HAVE FOUND

and Federal levels. As usual, the cost of these activities ran into millions of International Year of the Child. This was done with a lot of fanfare at State been met. In 1979 we participated in the celebrations marking the Goals and targets have been set on several occasions, but none has

the event by the medical profession. International Year of the Child". This reflected the importance attached to the University of Ibadan in June 1979 was to "Write an Essay on the Part IV Final MB.Ch.B Examination in Preventive and Social Medicine at actions whatsoever were taken. I recollect that the major question for my Yes, there were cultural dances as well, but as usual, no meaningful There was a lot of rhetoric by the military and civilian politicians

last year, 14 years after the U.N. Charter on the rights of the child.! declaration. The Child's Rights bill was not signed into law until late participated actively at the conventions and was a signatory to the final right to free health, education, and freedom from exploitation, Nigeria both documents the rights of children were enumerated, including the Child in 1989. This was closely followed by the African Charter. In United Nations came up with the U.N. Charter on the Rights of the didn't even talk about children at all, let alone take any action, until the There was a complete lull for another 10 years during which we

set. The major goals of the 1990 world summit for children were to be the world's children was unfolded and concrete and achievable goals were At the World Summit for children in 1990, a ten year plan of action for

achieved by the year 2000 and were as follows

- Reduction of morbidity mortality rates for children under five.
- Reduction of maternal mortality.
- inton Reduction of malnutrition among children under five
 - Provision of universal access to basic education
- Provision of universal access to safe drinking water and sanit
- 9 Improved protection of children in especially difficult circumstances

WHAT IS THE SITUATION IN THE YEAR 2004?

GNIs are doing better than us. for the widespread poverty since countries with similar or even low One important observation is that our low GNI is not solely responsil those of Angola and Cote d'Ivoire, not to mention that of the Asian natio and developed. Nigeria's GNI is similar to that of Ghana, but far less th (GNI) of Nigeria, compared with those of a few countries, both developi urban poverty is increasing. Table I shows the Gross National Incor world, worse than that of Angola. Most of the poor live in rural areas, l recently classified by the world Bank as one of the least developed in and severe, children bearing the brunt as usual. The Nigerian economy v Four years after the 'magic year 2000', poverty is still widespre

GNI per capita of some selected countries TABLE 1:

3,540	Aalaysia
610	ote d'Ivoire
270	ihana
660	\ngola
\$290	vigeria
GNI per capita (ountry

Using the most recent poverty indicators such as illiteracy leve

access to safe water and the number of poor people, Nigeria ranks below Kenya, Ghana and Zambia. Some indices are even better in countries still at war or have recently emerged from the throes of war such as Rwanda and Burundi. Ladies and Gentlemen, are we the giant or the midget of Africa?.

Table II shows the percentage of the rural population with access to safe water in selected countries. In some parts of the rural area of Nigeria, access to safe water is NIL, whereas over 90% of the rural population in Botswana and Egypt have access to safe water. Is it not obvious why there is a high prevalence of water-borne illnesses among our children?

Table 2:
Access to safe water:

Country	Average % With acce	Average % of population With access to safe water
	Urban	Rural
Nigeria	78	49
Egypt	99	96
Burundi	91	77
Botswana	100	90
Zimbabwe	100	73

Table 3 shows that about 70% of Nigerians live on less than \$1 (140 Naira) a day. Only Ethiopia (82%) and Uganda (82%) fare worse than us in the whole of Africa!

TABLE 3:

Burundi	Nigeria	% populati
ï	•	ion living c
58%	70%	n less than \$1 a day (2001)

Ghana Kenya

59% 23%

2. IGNORANCE IS RIFE.

half the adult population can neither read nor write. As can be seen in Tab 4, adult literacy level in Nigeria is one of the lowest in the continent as as a result, there is considerable belief in harmful traditional practices su as female genital mutilation, use of cow's urine concoction to treat childres with convulsion and the widespread notion that immunization is harmful Many mothers also deprive their children the benefits of balanced measuring in life because of ignorance. For instance, it is the belief the consumption of eggs by children will make them steal while those given meat early in life will suffer from worm infestation. As if they have theard about worm elixirs.

TABLE 4: ADULT LITERACY LEVEL (2000)

SPORT FILL FINAC	T. LUE	EL (2000)
	X	ודי
Nigeria	72	56
Ghana	80	63
Kenya	89	76
Zimbabwe	93	85
South Africa	86	85

3. DISEASE IS WIDESPREAD

There is a vicious cycle of poverty, ignorance and disease. UNICE classifies Nigeria as a country with severe child malnutrition and very hig under-five mortality rate. Access to education, health, water and dece housing is inadequate. The infant mortality rate has changed little sine independence44 years ago. Table 5 shows that our infant mortality rate which was 123 per thousand in 1960 dropped only marginally to 110 2003, giving a percentage reduction of only 10.5%. In sharp contrast this, Ghana reduced infant mortality by 55% while Malaysia reduced by 90% within the same period.

TABLE 5:

Infant mortality rates	rates		
	1960	2003	% Reduction
Nigeria	123	110	10.5%
Cote d'Ivoire	195	102	48.0%
Ghana	126	57	55%
Malaysia	73	8	90%

occupies the 15" position in UNICEF's rankings of under 5 mortality capita income but in descending order of their U5MRs.(Table 7). Nigeria tables rank the nations of the world not in ascending order of their per important indicator of the state of a nation's children. That is why the a nation's U5MR, and it therefore presents a more accurate picture of the average. That is, it is much more difficult for a wealthy minority to affect availability of clean water and safe sanitation; and the overall safety of the , Libya had an USMR of only 19 per thousand, which translates to a 22x more likely to die before his 1st birthday than a child in the his first birthday than a child in neighbouring Ghana. The same child is than only 14 countries in the world rates, side by side with Rwanda. What a pity! That is, we are better off these reasons, the U5MR is chosen by UNICEF as its single most health status of the majority of children and of society as a whole. For child's environment. The U5MR is less susceptible to the fallacy of the (including prenatal care) income and food availability in the family; the and ORT use; the availability of maternal and child health services health and the health knowledge of mothers; the level of immunization child well being. It reflects a wide variety of inputs such as the nutritional the USMR is used by UNICEF as the principal indicator of the level of This is a highly significant observation when we bear in mind the fact that reduction of 99%! Our dear country reduced her USMR by only 8.8%. thousand in 1960 while that of Nigeria was 207. By the year 2002 however five mortality rate. Table 6 shows that the U5MR in Libya was 270 per U.K.(Table 5) The same trend can be observed in the pattern of the under-A child in Nigeria is two and a half times more likely to die before

TABLE 6:				
Reduction o	of USMR	ŔR		%
Country		1960	2002	Reduction
Nigeria	r	207	183	8.8
Libya	1	270	19	99%
Cote d'Ivoire	ř	290	176	40
Ghana	1	215	100	54
Malaysia	1	105	œ	92
U.K.	ı	27	7	75

Country Country Sterra Leone Niger	Country Country Country USMrate Rar Country USMrate Rar 1 Viger 265	Rank 1 2
Niger	265	2 12
Nigeria	183	15
Rwanda	183	15
Ghana	100	47
Canada	7	161
Sweden	Ç	193

with only 3 deaths per 1000 children under the age of 5 years per annur child in Sweden. Is the Nigerian child not clearly endangered? A child in Nigeria is 60x more likely to die before his 5th birthday than Table 7 shows that the best country for a child to live in is Swede

WHAT ARE THE CAUSES OF DEATH

- childhood deaths were: admissions into the paediatric wards of the Olabisi Onabanjo Universit still prevalent in both urban and rural areas of Nigeria. In an analysis c eaching Hospital in Sagamu, we found that the leading causes of Preventable diseases such as measles, tetanus, tuberculosis, ar
- Complicated malaria.....preventable
- Gastroenteritis with dehydration......preventable

- Pneumonia.....and.....other.....acute..... infections....preventable. respiratory
- Measlespreventable.
- Protein-Energy Malnutrition.preventable
- Anaemia.....preventable.

admissions into the children's emergency ward of the University College Taiwo and Antia in the 1980s, in a study of over 22,000 consecutive corresponding increase in facilities same institution. Table 8 shows the trend of admissions into the paediatric Akang, Asinobi, Fatunde et al in a review of autopsy findings in the Hospital in Ibadan. The same pattern was also recently confirmed by This has not changed from the pattern earlier observed by Adeyokunnu. into our paediatric wards have trebled within a 5-year period without a wards of the OOUTH over a 5-year period. It can be seen that admissions

5-year admissions into the paediatric wards of OOUTH

Ch.Wd	NNC	CHER	
120	120	257	1999
342	309	478	2000
306	307	448	2001
401	343	565	2002
446	371	609	2003

and is one of the factors responsible for high childhood mortality. action by hospital staff. This is not an uncommon occurrence in Nigeria The apparent drop in figures for 2001 is due to a 4-week strike

country. It was so bad that even babies as young as 4 months old who which recently caused the deaths of thousands of infants across the now re-emerged in more virulent fashion. A classical example is measles ordinarily are regarded as less susceptible, also suffered severe attacks. Infectious diseases that were on the verge of being conquered have

THE MALARIA BURDEN

clinical picture. Chloroquine, synthesized by German researchers duri of resistance of the malaria parasite to Chloroquine is complicating t year. The poorest people are the most vulnerable. The increasing inciden experienced at least 3 life-threatening malaria infections by the age of children below the age of 5. In Nigeria, the average child would ha (Anopheles gambiae).71% of deaths due to P. falciparum malaria are World War 2, is effective today ONLY AGAINST VIVAX MALARIA. Saharan Africa. Africa has the most efficient vector species in the wo P.falciparum malaria occur per year, 90% of the deaths occurring in Su by Plasmodium falciparum and vivax malaria.1-2 million deaths from world-wide. 300-500 million clinical cases per annum are caused main Malaria accounts for significant morbidity/mortality among childs

Consequences of increasing resistance to Chloroquine

- increasing prevalence of severe anaemia
- A corresponding increase in the case of fatality rate of seve
- S Increasing maternal and neonatal death rates

TABLE 9:

% under 5	childre	o under 5 children sleeping under mosquito net
Angola	£3	10
Benin R	21	32
Kenya	×	16
Mali	Ę	37
Nigeria	,	0

under the flyover at Yaba? Only a few secondary school students slee any case, how do you sleep under a bednet when your place of abode sleeping under any form of net (treated or untreated) is practically nil. ! and 10. Both tables show that the number of under 5 children in Niger our culture to sleep under mosquito nets. This is clearly evident in Tables The malaria burden is partly severe in Nigeria because it is not

under mosquito nets and are usually compelled to do so by school authorities.

Table 10:

% under 5 children sleeping under a treated bednet

Benin Rep. - 7 Gambia - 15 Kenya - 3

Malawi - 3

Nigeria -

THE AIDS SCOURGE

The AIDS pandemic is assuming frightening dimensions in most parts of Africa, Nigeria inclusive. Will it be the 'last straw'? Only time can tell.

More than 11 million African children have alreau, been orphaned by AIDS alone and the worst is yet to come, according to UNICEF. In a recent survey, half of the orphans on the continent hardest hit by disease were between 10-14 years of age and 35% were between 5 and 9 and around 15% under the age of 4.

Even without HIV/AIDS the number of orphans in Africa would still exceed those of other continents because of lower life expectancy in Africa. Worst affected is Sub-Saharan Africa where in total 34 million children (12% of all minors) were orphaned for different reasons including HIV/AIDS.

By 2010, that is, in 6 years time, it is estimated that there will be approximately 20 million children in Sub-Saharan Africa who have lost at least one parent to AIDS, bringing the total number of orphans in the region to more than 40 million.

The AIDS pandemic has led to an unprecedented increase in the number of new cases of pulmonary tuberculosis and the emergence of multi-drug resistant super-strains of tubercle bacilli. This is posing considerable global challenge presently. I ask again, will AIDS be the 'last straw'?

. NEONATAL DEATHS:

complications, thereby imposing an unusually large proportion of his routine maternity services. They present to us only in the face of sev emergencies. in its use. In addition, 25% of deliveries at OOUTH were unbook treatment of neonatal jaundice and therefore have a false sense of secur presentation to hospital. Most mothers believe that ampiclox is preventable and treatable condition, occurred mainly as a result of l complicating severe neonatal jaundice. Deaths due to neonatal jaundice birth weight, neonatal infections including tetanus and kernicte admissions. The major causes of death were severe birth asphyxia, I and Olanrewaju reported a mortality rate of 343 deaths per 10 at the Olabisi Onabanjo University Teaching Hospital Sagamu, Njokan 60% of all infant deaths. In a two year prospective study of Neonatal dea neonatal mortality rate in Nigeria is unacceptably high, accounting for That is, deaths in infants below the age of 28 days. The curr That is, many pregnant women do not avail themselves

To worsen an already bad situation, there are no facilities neonatal intensive care such as continuous positive airway pressu central venous catheters and total parenteral nutrition. We cannot evenouitor blood gases! Unfortunately, this is the lot of most neonatal units Nigeria today. As things stand now, any baby who is unfortunate enout to be born with a birth weight of less than 1.0kg in Nigeria is virtual doomed. This is in sharp contrast to the situation in developed countries where babies weighing as low as 600gm at birth have very good chances survival. Table 11 shows a comparative analysis of neonatal and childho deaths at OOUTH.

5-year mortality in the paediatric wards, OOUTH

	1999	2000	2001	2002	2003
	no %	no %	no %	no %	no %
THER	23 8.9	43 9.0	45 10.0	36 6.4	62 10.2
Ch Wd	5 4.1	24 7.0	13 4.2	24 5.9	
NUC	30 25	64 18.7	75 24.5	94 23.4	109 24.4

The mean mortality rate over the 5-year period for the children's emergency room was 8.9% while it was 5.7% for the children's ward. The corresponding figure for the neonatal unit was a staggering 23.2%. In other words almost a quarter of all babies admitted into the neonatal unit died!

The situation in our paediatric wards is so bad that the number of parents requesting for discharge against medical advice is on the increase. In a study of DAMA cases carried out in 1986, Oyedeji found an incidence of only 0.9% among patients at the Wesley Guild Hospital in Ilesha. In a more recent study, Olanrewaju and Olowu reported an incidence of about 4%, representing a four and a half fold increase in incidence. It is saddening to note that in as many as 36% of our DAMA cases at OOUTH, the clinical course of patients' illness either remained the same or actually grew worse prior to request for DAMA. The majority of cases were in the neonatal unit. What this implies is that financial constraints are not the only factors responsible for hospital DAMA. The confidence of our patients in the health care system has been and is still being systematically eroded by the moribund state in which our health facilities are at present.

5. NO PROTECTION FOR THE VULNERABLE CHILD.

A recent survey conducted by the Federal Office of Statistics in collaboration with the International Labour Organisation has shown that there were about 15 million working children in Nigeria comprising 7.8million males and 7.2 million females 70% of the children started work between the age of 5-9 years. 61% of working children who were attending school saved their money to go to school.

WHY ARE THE CHILDREN DYING.

1. One major reason responsible for the manufactuation is budgetary allocation to health and education

Table 12 shows that only a meagre 1 allocated for health services in the year 2001 allocation of a miserable 3%. This has been a compared to 5 in the 2004 budget. Compare this with Togo when the services of while education got as much as 20% or Compared to 5% of forhealth and 22% for education.

TABLE 12: % allocation to

Benin K 6 31	D	Togo 5 20			Health Ed	o unocation to
22	31	20	15	w	Education	

2 DECLINING IMMUNISATION COVERAGE

Another reason why our children are dying is that incorrect coverage has drastically declined over the years to such a current levels are one of the lowest in the whole world finds that only 44% of our pregnant mothers are currently vaccinated again, this figure is much lower than what obtains other parts of Africa. Similarly, Table 14 shows that the most currently being immunized against the major childhood killer discovering low indeed. Note that we have not even started immunized against Hepatitis B while Ghana has already attended coverage.

TABLE13:

Immunisation coverage of pregnant women against tetanus(%)

Rwanda	Egypt	Ghana	Benin	Nigeria
82	70	73	66	44

TARLE 14:% of 1 year olds immunised in 2002 against:

_	B	DPT	POLIO	MEASLES	HEPATITIS	S
Nigeria 5	4	26	25	40	E	
Ghana 9	1	80	80	81	80	
Benin R 9	4	79	72	78	15	
Liberia (57	51	50	Liberia 67 51 50 57 -	t /	

opinion of its members sought before any major policy decision concerning immunization is taken Association of Nigeria (PAN) is not in any way represented, neither is the now been politicised with the first ladies at the forefront. The Paediatric note that about 90% of those currently involved in the National Programme on Immunization are not paediatricians? Immunization has for the death of our children is maladministration. Is it not saddening to MALADMINISTRATION The third major factor responsible

sentiments still surrounds the polio vaccine in Nigeria. This unnecessary in presentation to hospitals. Controversy based purely on religious miracles' and the indiscriminate use of 'anointing oil', leading to delay blood transfusion. Perilous times are here indeed and there are 'diverse kernicterus following refusal of their parents to consent to exchange blood transfusion for their children even when such children face well known that members of the Jehovah's Witness sect usually refuse occasions, and this cuts across the three main religions in Nigeria. It is imminent death. Some babies have become vegetables as a result of Religious sentiments have led to avoidable deaths on many

> only 5 countries in the world where the polio virus is still endemic a outside the human body for any length of time. At present, Nigeria is one campaigners. Perhaps they have forgotten that the virus cannot survi 2003, according to the WHO. Nigeria accounted for half of all the 758 cases worldwide in the ye for Sharia in Nigeria. The argument that the vaccine contains the H debate was triggered by the National President of the Supreme Coun shows complete ignorance on the part of the anti inoculati

cross our borders. equation. Meanwhile, the polio virus is having a field day and millions samples had to be sent to Indonesia, perhaps, to balance the religio South Africa(a predominantly Christian nation) for analysis, but furth being endangered, since the polio virus needs neither passport nor visa Naira are being spent unnecessarily. Our neighbours are also needless In the wake of the controversy, samples of the vaccine were sent

milk is about 30,000 to 100,000 mcg and breast feeding might contin meg. On the other hand, the daily intake of oestradiol from the mothe drops) he would have received only 10 mcg of oestradiol. I repeat given 2 drops of OPV every 3 months for 5 years (that is, a total of vaccine contains 0.25mcg of oestradiol per drop. That is, even if a child hormone called oestradiol in the vaccines. The analysis shows that in view of the results : The bone of contention is the amount of for anything from 12 to 24 months. Fortunately, it appears that the case will now be finally laid to r

western plot to depopulate the region". countries because the current vaccines "were adulterated as part of vaccines produced in Indonesia and Malaysia, both mainly Kano State has now finally decided to import a fresh batch Islan

control so that the lives of those already born can be improved: the sake of argument agree that the polio vaccine indeed contains ar victims of previous immunizations? Let them show us all the patients the fertility drugs, may I ask this question: What is wrong with populati have earlier been rendered HIV positive by the vaccines. Now, let us tertility drugs and the HIV virus based in the first instance? Where are t On what premise was the argument that the vaccines contain an

PART 2

NOW, WHERE DO WE GO FROM HERE, WHAT IS THE WAYOUT?

GENERAL:

 Honest leadership and transparency in Government is desirable, so that scarce resources can be evenly and meaningfully distributed This is fundamental if we are to make meaningful progress.

2. Governments at all levels must avoid misplacing priorities and invest wisely. Many projects and programmes are not designed to solve the problem of unemployment. A case in point is the Heineken-NBL brewery in Enugu State commissioned last year. It is said to be the most modern in the world and can produce 2000 bottles of beer per minute. It was built at a cost of \$300 million i.e. N42 billion. The plant is so automated that it hardly needs human beings to function. Of what benefit is this to the starving millions of Nigerians?

In what way will the purchase of a 10 billion Naira jet benefit the teeming number of starving children in Nigeria? Or how will the purchase of bullet-proof cars eliminate ignorance? Governments must embark on agricultural investments such as processing of perishable items like tomatoes, onion, pepper and fruits to guarantee year round availability and stable prices.

Other areas yearning for attention—include investment in dairy products, fish farming and animal husbandry. These are veritable foreign exchange earners. If we cannot earn foreign exchange from these, we will at least feed ourselves and conserve the foreign exchange currently being used in importing these products. We have no excuse for not being self-sufficient in food production.

B. WAYOUT OF THE CURRENT CRISIS

HEALTH:

 Immunization: The key to the reduction of childhood morbidity and mortality is to strengthen immunization coverage.

Marginalisation of key professionals in the implementation of the Current NPI must be stopped forthwith. Immunization is seric business and not the duties of first ladies. The current circus should must end. The Paediatrics Association of Nigeria (PAN) should allowed to play an active role in policy formulation a execution. The recommendations of PAN with regard to the content and schedule of immunization should be adopted. The is, Haemophilus influenza type bland MMR vaccines should included in our immunization schedule to guarantee protections against mumps, rubella, and infections caused by haemophilismfluenza.

The procurement and distribution of vaccines must decentralised to guarantee availability. Local production must encouraged.

as well as the severity of the illness. A significant number different parts of Nigeria. This will explain the current epiden children from attending schools. satisfactory completion of immunization at school entry. Su environment. This should be done for all the vaccine-prevental therefore necessary to the virus because of antigenic differences. Further research use does not confer adequate protection against these new strains observation, it is quite likely that the measles vaccine currently previously immunized children were affected in the last epidem opportunity for those who have either missed or have not had Certificates should however not be used to prevent unimmuniz parents to produce a certificate of immunization as evidence implementation of the NPI. For instance, it may be desirable: diseases. Institutions of learning should be involved in While a break in the cold chain may be blamed partly for the lat Recently, a new strain of measles virus was isolated in at least to opportunity of being vaccinated to receive them. monitor the strains prevalent in t Rather, it will provide

We must look inwards and develop appropriate technology a devise local solutions to our problems where feasible. For instan-

,,

culturally acceptable. have the additional advantages of being readily available and the management of mild to moderate degrees of dehydration and and manioc-salt solutions. These two solutions are effective in satchets and not all households had sugar at home at all times. We observation that not all mothers could afford to buy the ORS episodes of diarrhoea. The study was necessitated by the children with mild to moderate degrees of dehdration following derived from locally available foodstuffs in the rehydration of Olanrewaju, Olusanya and Oluwole studied the efficacy of fluids at the Olabisi Onabanjo University Teaching Hospital. in correcting dehydration. Thus, we came up with the pap-salt found that addition of salt to either pap or gari water was effective

è MALARIA CONTROL:

artemisinin derivative (artemisinin based combination therapy or recommended by the WHO for antimalarial treatment in Africa: ACT). The following are the therapeutic options currently be combination therapies, preferably those containing in all countries experiencing resistance to monotherapies should As a response to the antimalaria drug resistance situation, the WHO recommends that treatment policies for falciparum malaria

? Artemether - Lumefantrine

transmission. This combination kills gametocytes, thereby decreasing

- Artesunate amodiaquine
- E D C B Artesunate-SP(Sulphadoxine-pyrimethamine)
 - Amodiaquine-SP
- Artesunate-mefloquine.

International experts on malaria chemotherapy held in November 2000 recommendations and conclusions of two consultations of This current WHO policy on antimalarial treatment is based on

Chloroquine as the first line drug for the treatment of malaria. This is Nigeria is one of the very few countries in Africa that still have

> negligence to treat an under 5 child with CO monotherapy in the y overwhelming haemolysis. This attention is unacceptable and the Natio after 48hours in coma from cerebral malaria or severely pale as a resul Chloroquine has outlived as usefulness it borders on profession policy MUST be changed in line with WHO recommendations NC is not uncommon to see children treated with chloroquine brought b despite the evidence of local resultance ligares ranging from 20-50%

ACT's at cost price from NOVARTIS, the lending manufacturer evaluated their drug policies towards the use of ACT's. Examples artemisinine-based combination formulations. Many countries in Afi which originally requested funding for Chloroquine have already countries. The GFATM has become the largest financial supporter (GFATM) was established, and tchas become one of the main Internation follow suit TODAY. been committed over 5 years for African countries for the purchase interventions for the control of these three discussion endemic develop Senegal, Ghana, Mali, Chad, Kenya and the Gambia, Nigeria sho Artemisinine Based Combination Therapy About of US\$30 million funding mechanisms to support the implementation of highly effect In 2002 the Global Fund to fight AIDS, Tuberculosis and Mal-

significantly bring down the price. Intermittent presumptive treatmen pregnant mothers with SP needs to be intensified production of insecticide-treated nets need to be encouraged preventive measures need to be intensified. In this regard, lo In addition to prompt recognition and treatment of clinical case

FIGHT THE HIV SCOURGE:

girls, to assume domestic responsibilities. Controlling the spread nutritious meals and be taken out of school, especially if they immunizations against childhood diseases, eat fewer and I becomes debilitated by AIDS, her children are more likely to m been rapidly eliminated in the hardest hit countries. When a mot annually. Painstakingly accrued gains in human development ha Over 5 million people are newly infected with HIV worldw HIV will ensure that more girls stay in school. In the absence c

HIV/AIDS. Better educated people have lower rates of infection. vaccine, EDUCATION Educated young people are more likely to protect themselves and is society's best defence against

CONTROL OF NON-COMMUNICABLE DISEASES: those who are in school spend less time in risky situations

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chronic illness, to reduce the financial burden on their parents. charge for children with sickle cell disease and all other forms of disorders is currently routinely screened for. Rather, we wait for Glucose-6-phosphate dehydrogenase deficiency. None of these Nigerian males suffers from another genetic disorder known as affects 2% of all newborn babies. Similarly, 1 out of every 4 is, I out of every 4 Nigerians carries the S gene. The disease in the world. The frequency of the S gene in Nigeria is 25%. That Nigeria has the largest number of sufferers of Sickle Cell Anaemia better chances of survival. Treatment should be provided free of lower incidence of these diseases will ensure early diagnosis and neonatal screening as is currently practiced in countries with the patients to present to us when they are in crisis. Routine

ESTABLISH PAEDIATRIC HOSPITALS:

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appropriate components of available equipment. This is due to the Specialized Paediatric Hospitals should be established in at least equipment. Examples abound: there are no suitable transducers and therapeutic procedures in paediatrics due to lack of children. At present it is difficult to carry out certain investigative each of the 6 geopolitical zones. A shift in political will toward children will rectify this anomaly. This is the standard practice in dialysis for children with kidney ailments for the same reasons Similarly, there are usually considerable delays in carrying out despite the availability of expensive echocardiography machines other parts of the world e.g. Great Ormond Street Hospital for Establishment of centres specifically designated for the care of for paediatric echocardiography in many of our paediatric units improving paediatric, especially neonatal services is fact that children are usually not considered when ordering these fundamental. The present set-up has led to the marginalisation of

> the Hospital for Sick children in Toronto, Canada. Children, Royal Belfast Hospital for sick children in the U.K.

NUTRITION:

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for every pupil in our public primary schools. After all, The government should provide at least I balanced meal per reduce the incidence of stunting among our youths. prisoners are fed free three times a day seven days a week. This

EDUCATION:

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send their sons. between sending sons or daughters to school, poor families of national plan to eliminate gender disparity in education and achi Making education free and compulsory is the keystone of Universal education. Faced with an economically driven che

sending girls to school, can make a real difference. daughters in school, as well as explaining the advantages Removing fees or offering financial support to families w

a significant reduction in truancy. Britain where the recent imposition of a 100 pound fine has led The government should consider the imposition of sanctions 'anti-school' parents. We can take a cue from a local counci

short of the 26% recommended by UNESCO. budget, which represents 5.6% of the total budget still falls Budgetary allocation to education must be significantly increas The sum of 94 billion Naira set aside for education in the 20

Education systems and programmes must

- be efficiently managed and equitably financed
- assure that all students graduate with the essential ski knowledge and values to succeed.
- Assure gender equity in access and quality

INTER-ETHNIC CLASHES

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the middle belt regions. According to the Human Rights Wat in various parts of the country, particularly in the Niger Delta & We should take urgent steps to prevent and halt inter-ethnic clasl 'all wars are wars against children'

10. DEVELOPSOCIALINFRASTRUCTURE

Provision of regular water and power supply will prevent the situation where life-saving equipment lie idle simply because of lack of electricity or water. It is not unusual for premature babies in the neonatal units to be hypothermic in the midst of idle incubators. This situation is unacceptable.

11. ENCOURAGE PRIVATE SECTOR PARTICIPATION

Finally, private sector involvement through NGO's and foundations to fund specific projects, similar to the Rockefeller foundation, will go a long way in complementing efforts of the Government. Examples

- (a) Eyitayo Fawehinmi foundation by the Fawehinmi Furniture Factory (FFF) which donates N1million annually to 3 children's wards at LUTH and to 2 other institutions in the country.
- (b) National Paediatric Centre at Ijebu-Ode and the Otunba Tunwase children's emergency ward at the U.C.H. Ibadan, donated by Otunba Subomi Balogun.
- (c) Manna Foundation in Delta State which provides Health Information and Education Systems. Government should encourage more of such foundations as well as coordinate their activities, for maximal benefit to society as a whole.

CONCLUDING REMARKS

I will like to end this lecture by referring to the book of Ezekiel In Chapter 33, verses 2-9 it is written: "If a man appointed as a watchman over a city sees the sword coming upon the land and blows the trumpet to warn the people, then whoever hears the sound of the trumpet and does not take warning, if the sword comes and takes him away, his blood shall be on his own head.

Verse 6... "But if the watchman sees the sword coming and does not blow the trumpet and the people are not warned, and the sword comes and takes any person from among them, he is taken away in his iniquity; but his blood I will require at the watchman's hand." I, as one of the trustees of these children, by virtue of my being a paediatrician.

regard myself as a watchman and so, Mr View Chancellor, ladies gentlemen, we have an endangered generation of base an children this inaugural lecture has been an alarm signal by a section in us all up to our collective responsibility. That is the only may in which can averta looming disaster.

Finally, let us pender on the words of the Secondary Coneral of United Nations in his preface to the 2000 edition of UNICIAN state of world's children:

"There is no trust more sacred than the one the world! with children. There is no duty more important than counting their rights are respected, that their welfare is protocol, that lives are free from fear and want and that they grow up to put KOFI ANNAN 2000.

ACKNOWLEDGMENT

I give glory to God Almighty for sparing my life to and stage of my career. From the humblest of beginning I grateful to Him to be standing here amongst distinguished accream of society.

To my late parents, especially my late mother. I say a but it recognize the presence of my brothers, sisters, and in-laws have those that have traveled all the way from Akure and Ile-Ho to occasion. I wish you all safe journey back to your various designation.

The contribution of my former teachers at the Government Ibadan and the University of Ibadan is acknowledged. I wish to make particular Mr. M.F. Komolafe who was my mentor and who paid interm fees at the U.I. until the bureaucracy surrounding my scholarding resolved.

Prof. Esan of the UCII Ibadan was instrumental to my choice of medicine as a career. I had been admitted to study from Engineering at Ibadan but he persuaded me to study medicine resumption of classes. Mrs. Esan personally took me to the admitted at Ibadan where a fresh letter was typed and issued to my presented me with a dissecting set in Anatomy. I thank you both

I am indebted to Dr. A. D. Adekile, formerly of the Department of Paediatrics, OAU, Ile-Ife, whom I regard as one of my mentors.

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The presence of my colleagues from other medical schools in Ibadan, Ife, Lagos, Ilorin and Benin is hereby acknowledged. I say thank you all. I thank the entire members of staff of OOUTH for their support all these years. My thanks also go to the current Chief Medical Director and the Chairman, MAC of OOUTH for their support. I appreciate the support of members of staff of Paediatrics Department, OOUTH. I acknowledge the contribution of Dr. (Mrs.) Fetuga, Dr. (Mrs.) Adekanmbi and Dr (Mrs) Kehinde all of whom helped in the collation of data for this lecture. The support of members of staff of the medical records Department of the Olabisi Onabanjo University Teaching Hospital is also acknowledged. I thank the Provost and all the teaching and non-teaching staff of the Obafemi Awolowo College of Health Sciences for their support and encouragement. I am particularly grateful to Dr. Familioni of the Department of Medicine and Mr. S. O. Oyebisi for their special contribution toward the success of this lecture.

I thank past and present students of OACHS for appreciating the little efforts I have contributed towards their training. I thank all the old boys of the Government College, Ibadan, especially members of the 1968 set as well as the entire members of the Ijebu branch. The support of Novartis Pharmaceuticals of Switzerland is hereby acknowledged.

I want to recognize the presence of my children. Ayobami is a 200 Level medical student here. Timilehin is the baby of the house and he is here as well. Temitope, the eldest child, is unavoidably absent. Ayokunle, the third boy, is unavoidably absent as well. I say thank you to all of them for bringing joy into my life.

I thank all the distinguished guests who have come from far and near to grace this occasion.

I thank my best friend and special adviser, Mrs Christianah Dolapo Olanrewaju, for her support all these years. I would not have been at Olabisi Onabanjo University today if not for her advice and

encouragement. When I came for interview in I on joye a sorry state that the facilities could not be compared to njoye Government College Ibadan. One of us was so that he before the interview commenced. I remember we collect my letter of appointment, I was reluctant to congratulated me for my appointment. As far as I we have nothing to do with the then 'jungle'. My wife and was able to convince me that it was worthin to be there for me all these years.

Finally, I congratulate the present and formal all of whom have contributed immensely toward the University.

Mr. Vice-Chancellor Sir,
Principal officers of the University.
Provosts of Colleges and the Postgraduate School,
Deans of Faculties,
Colleagues, friends from sister Universities,
Distinguished Ladies and Gentlemen,
Students of OACHS and other students here present,
Thank you all for your presence and attention.
May God bless you all. AMEN

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