

# GROUND REALITIES

## MONITORING OF THE CHILDREN IN THE J.E./A.E.S. EFFECTED AREAS

A Study and monitoring by

**APPL**

**Action for Peace Prosperity and Liberty**  
( A Trust to Serve and Empower the Unprivileged)



# METHODOLOGY

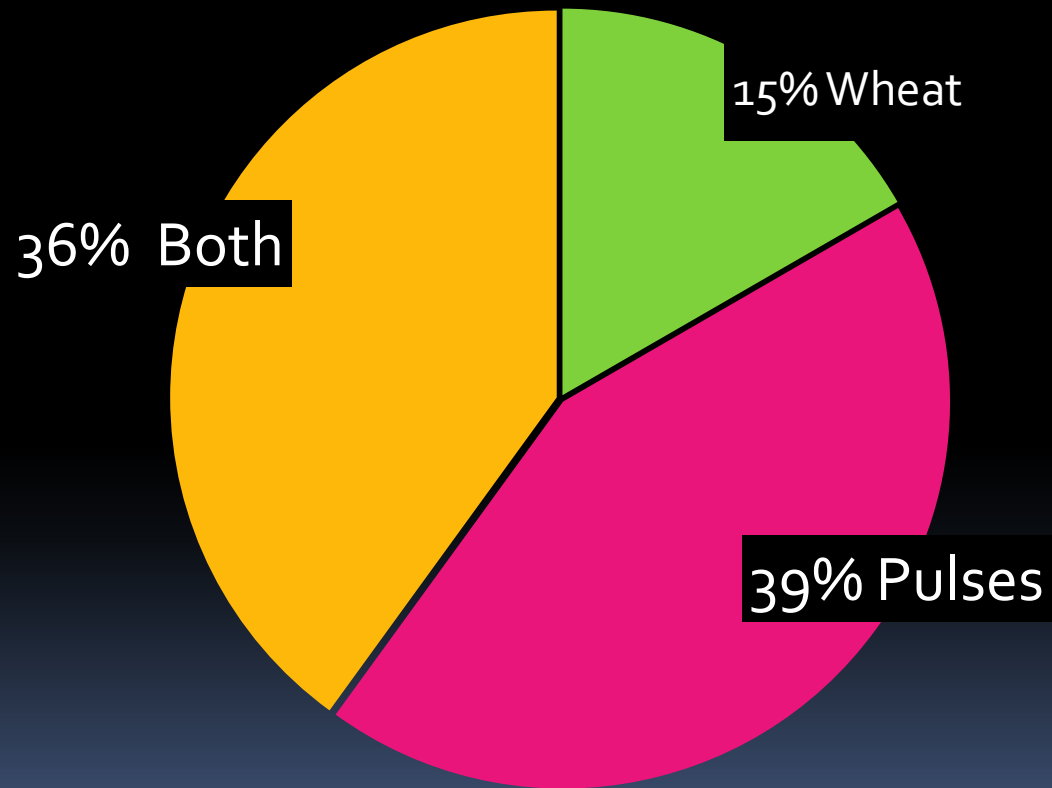
TWO HUNDRED SAMPLES HAVE BEEN COLLECTED FOR THE STUDY ON PURPOSIVE RANDOM SAMPLE BASIS. PRIMARY INFORMATION HAS BEEN COLLECTED FROM AFFECTED VILLAGES IN THE THREE BLOCKS OF THE DISTRICT GORAKHPUR, AFTER CONVERSATION WITH THE RESIDENTS AND OBSERVATION ON THE BASIS OF A 35 POINT SCHEDULE. THE OBSERVATIONS ARE BASED ON THE SAME DATA.

# LIMITATIONS OF THE STUDY

- Through the affected area was vast, due to our limited resources we collected two hundred samples and took only one hundred fifty out of them for analysis and study. For sample selection, the random selection criteria was applied. It is also our limitation to rely and depend ,about quality and authenticity of the data as the data and information provided by the people and government authorities was the only source available .The sample area and size may seems to be too small, but with our limited resources we hope that we have been able to bring out the facts and trend of the emergence of J.E./A.E.S.

# FOOD HABITS – Affected areas

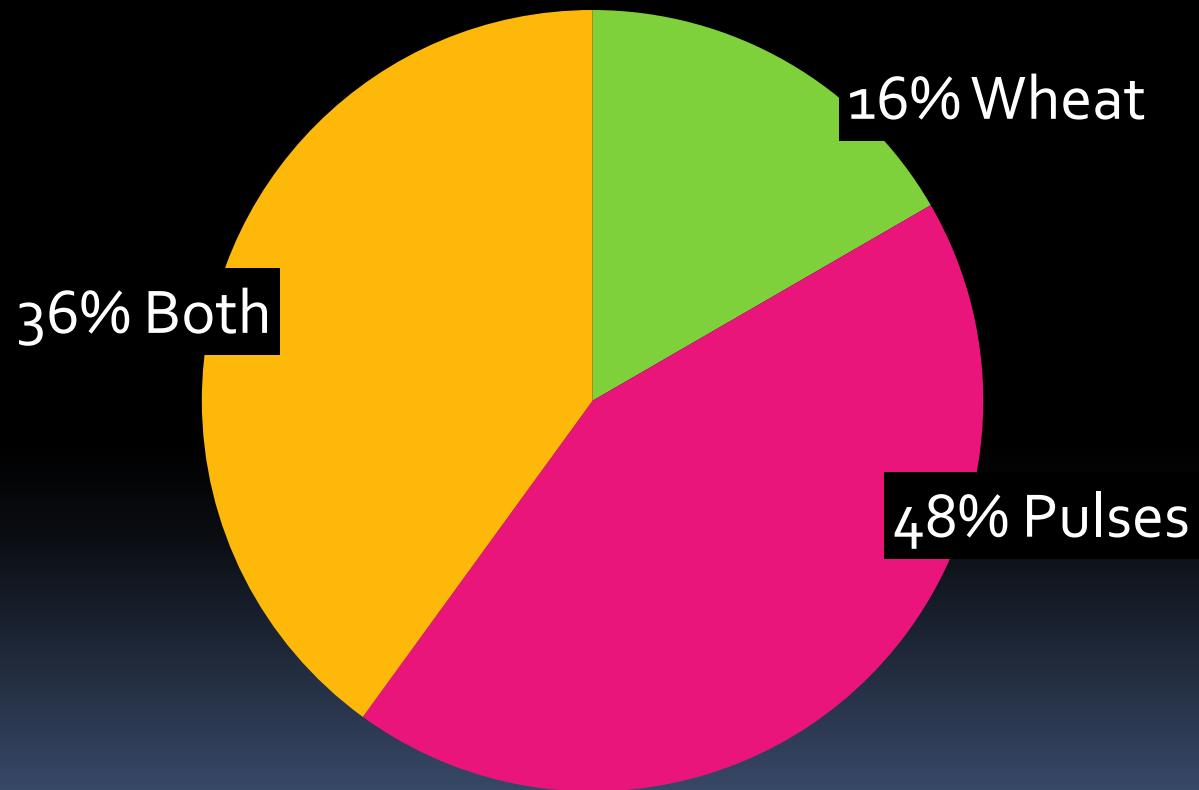
## MISSING COMPONENTS



- 1
- 2
- 3

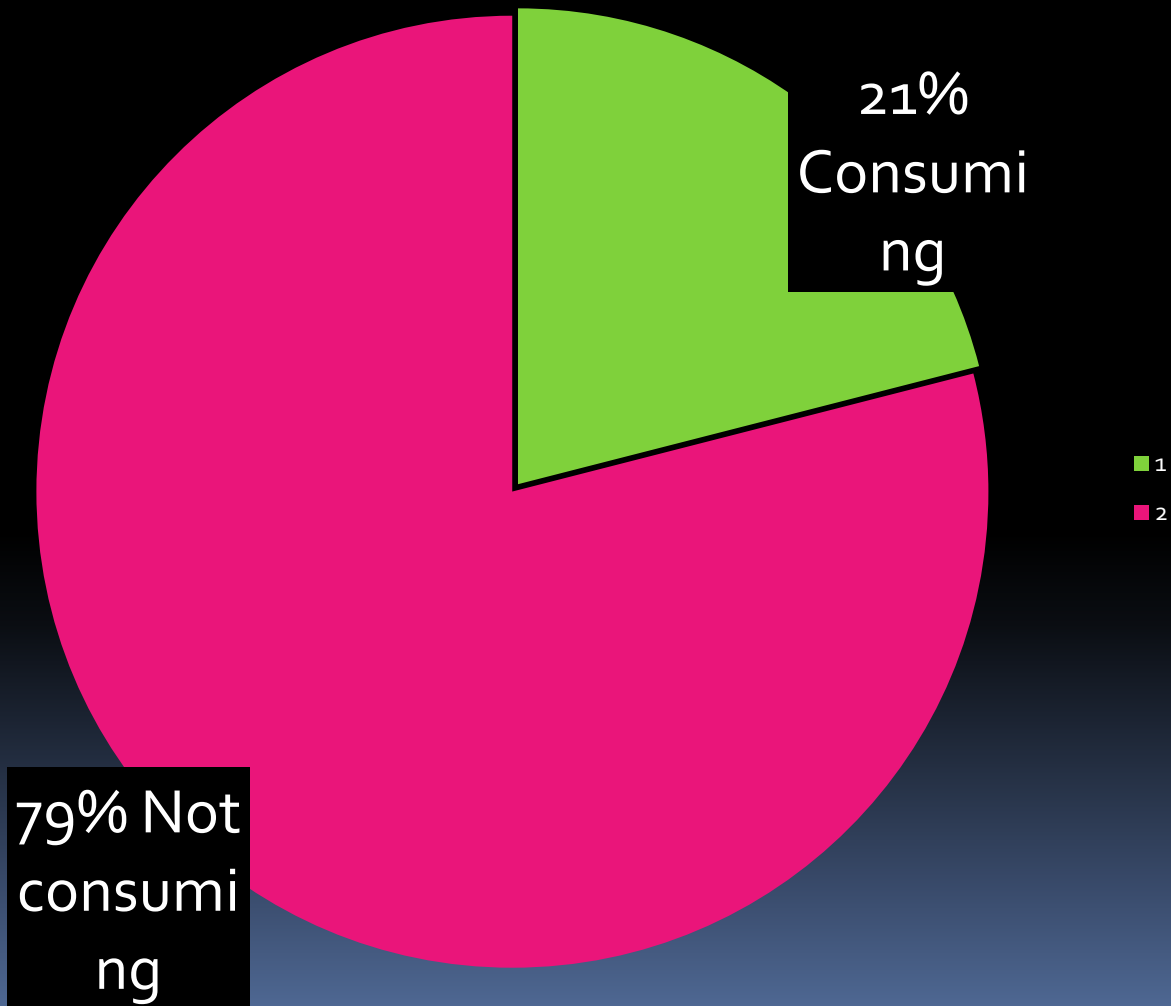
# FOOD HABITS – Non affected areas

## MISSING COMPONENTS

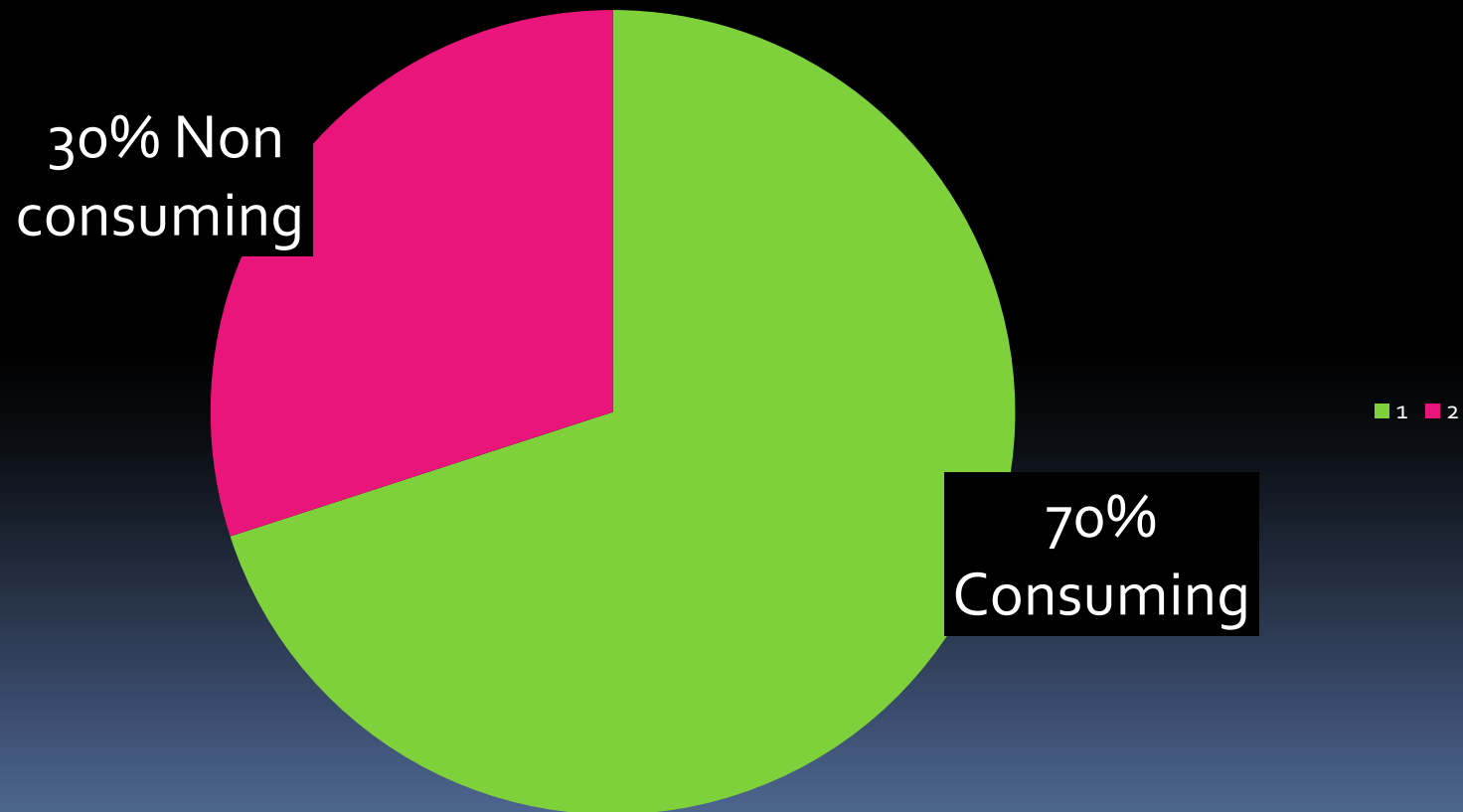


- 1
- 2
- 3

# Consumption other than cereals (livestock products) Affected areas

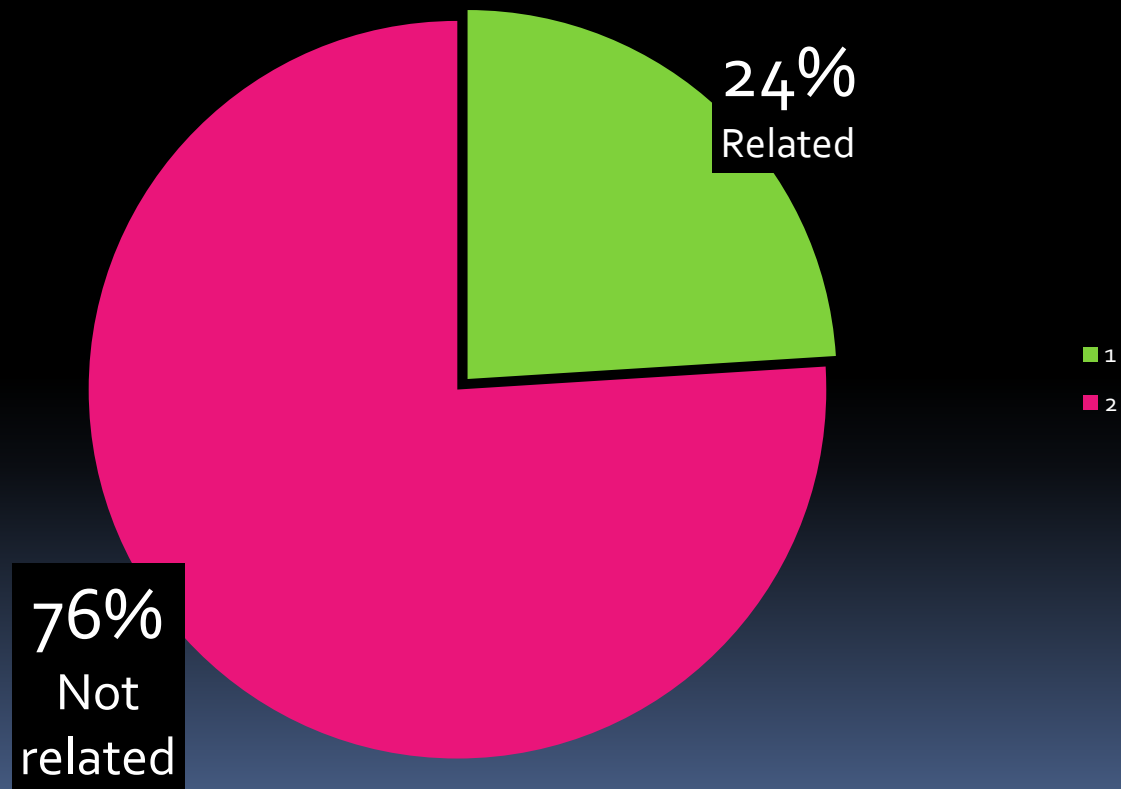


# Consumption other than cereals (livestock products) Non affected areas



# HABITAT – Affected areas

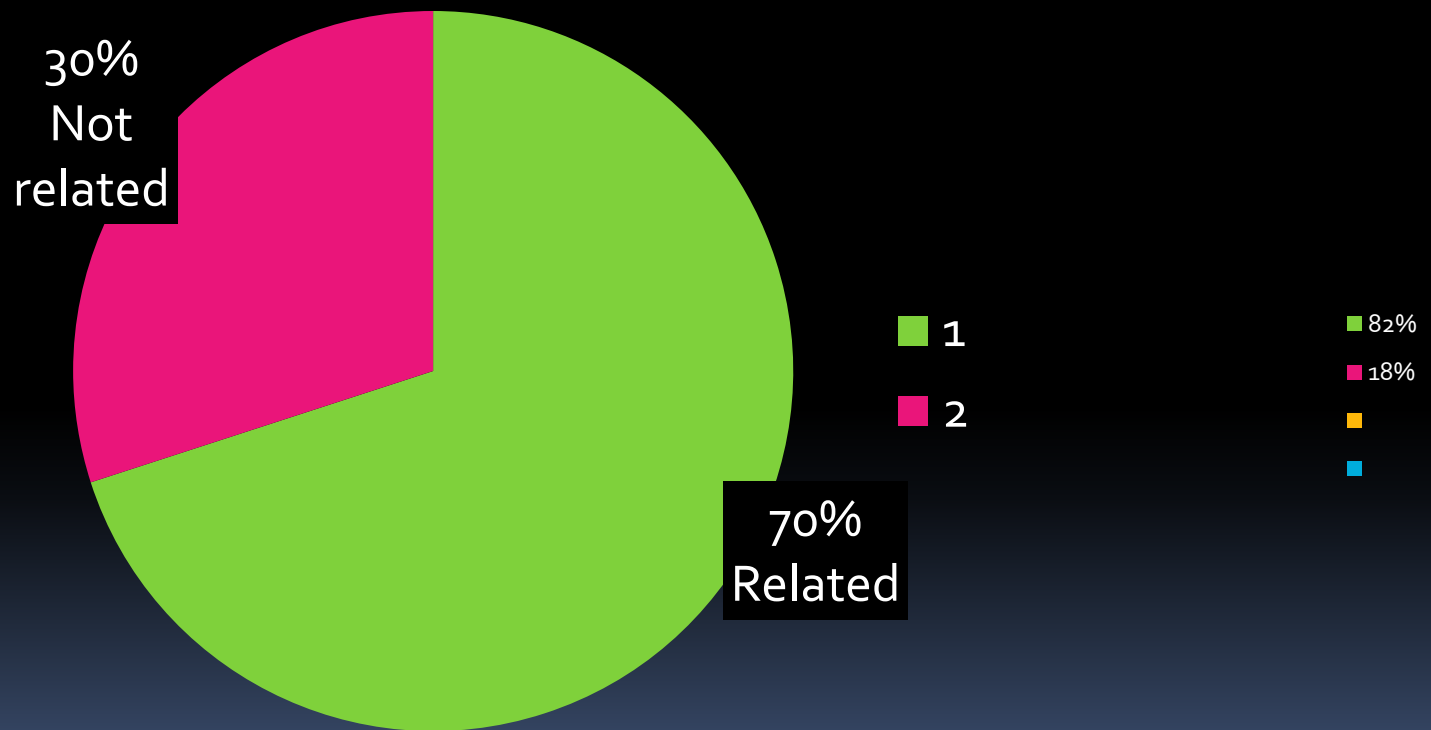
Directly related to pigs, farms and water logging 24%





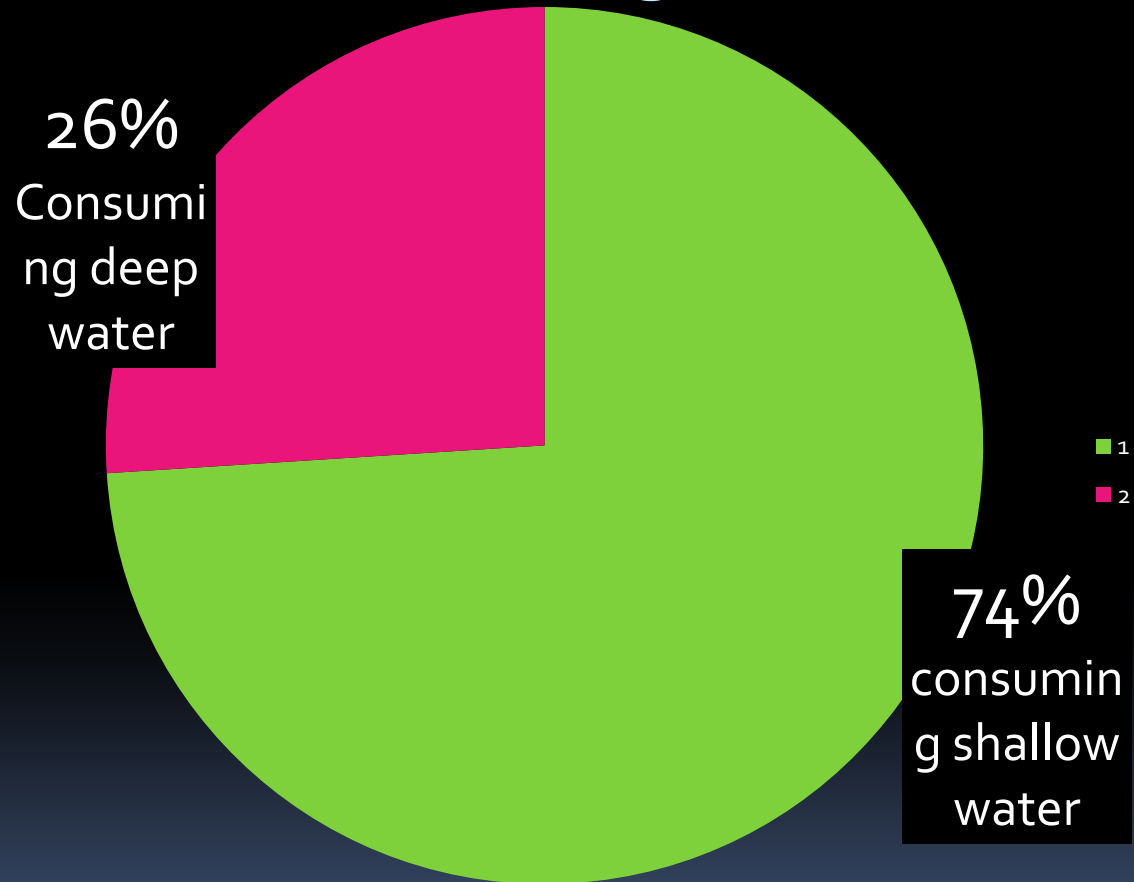
# HABITAT – Non affected areas

Directly related to pigs, farms and water logging 70%

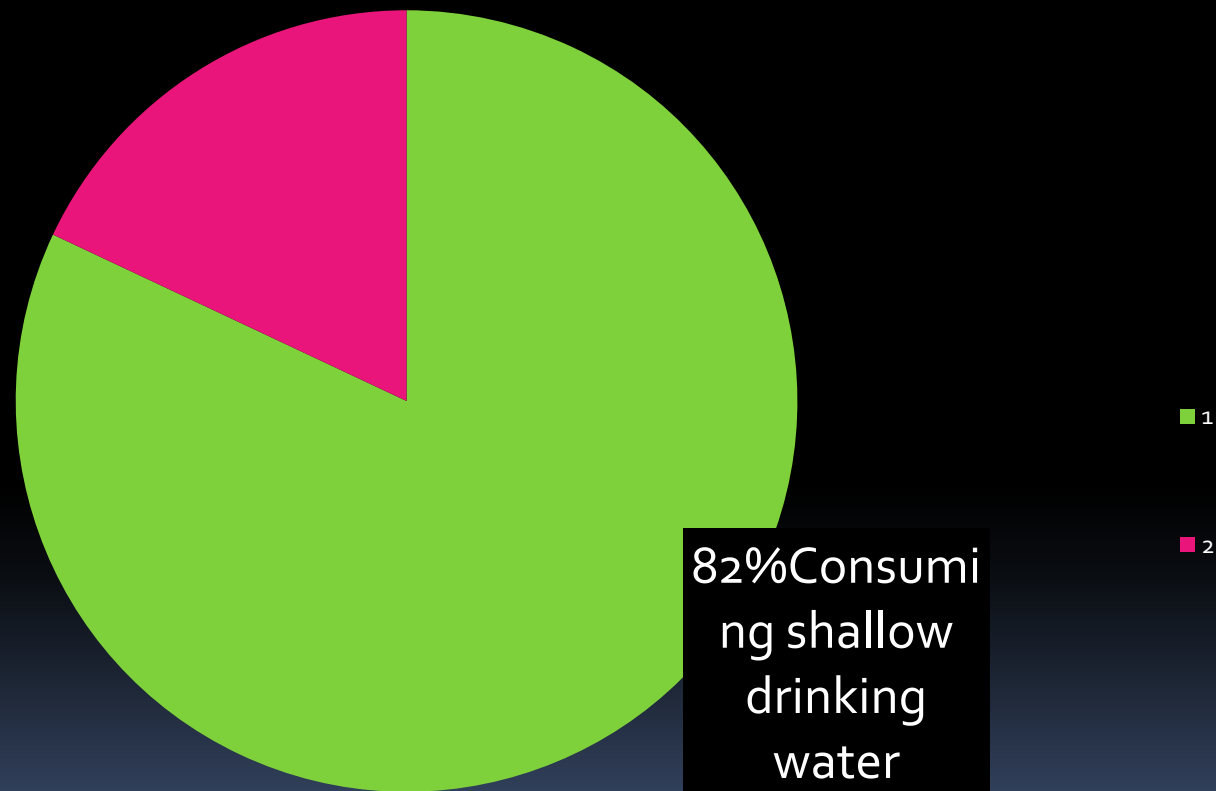


# DRINKING WATER CONSUMPTION: Affected areas

74% consuming shallow water

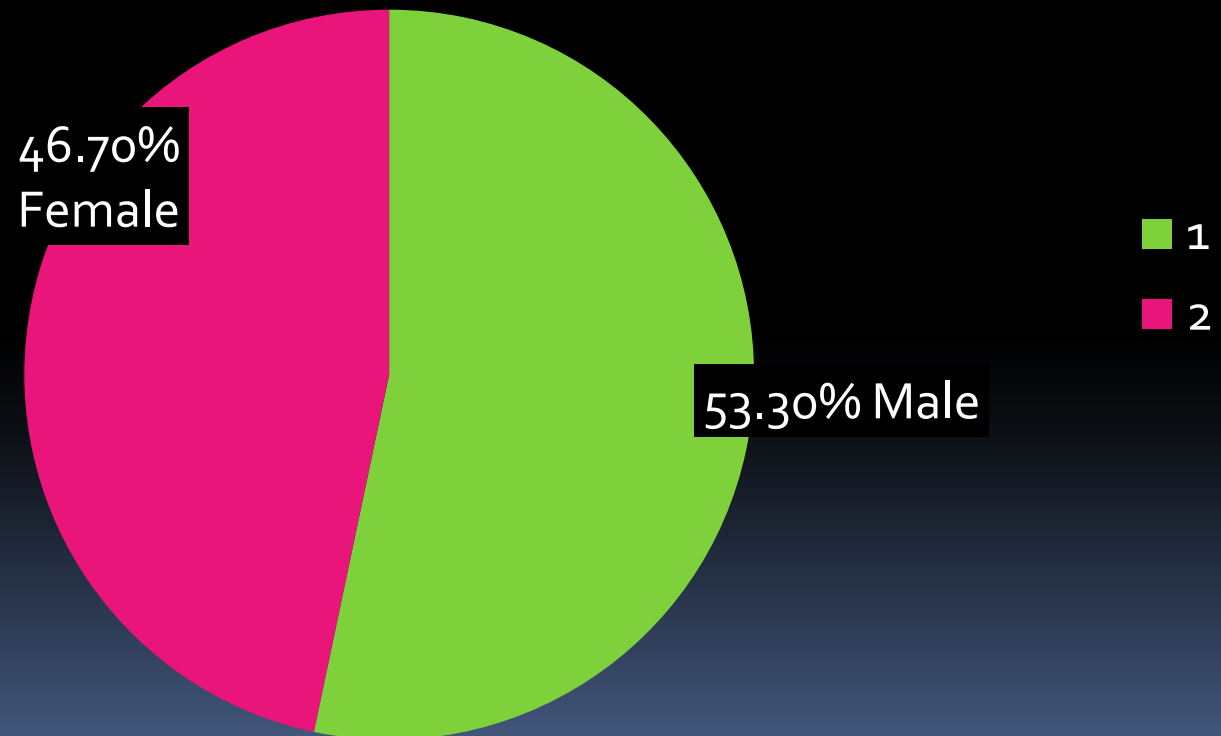


# DRINKING WATER CONSUMPTION: Non Affected areas 82% consuming shallow water



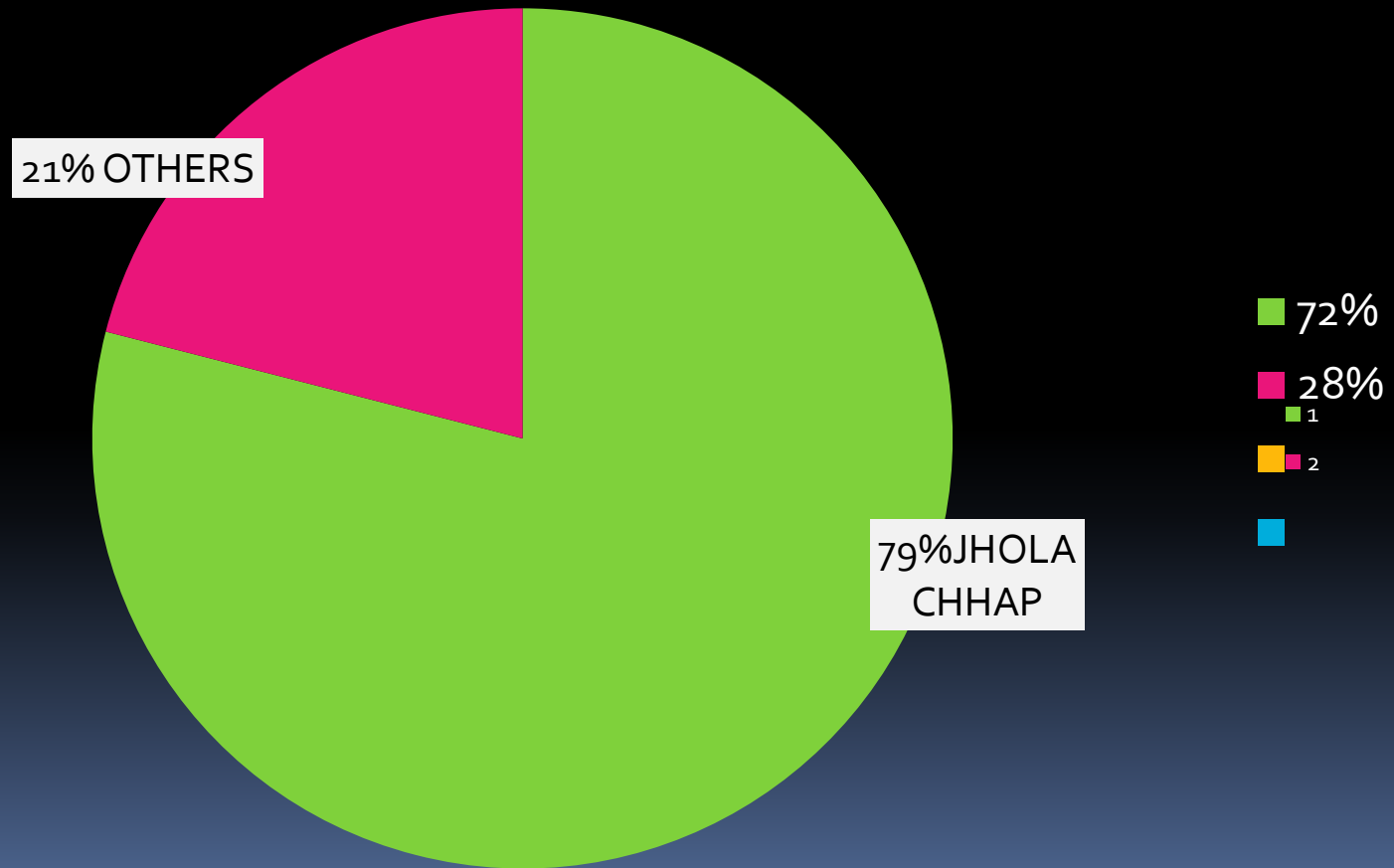
# J.E. CASES sex ratio

MALE:FEMALE 53.3%:46.7%



# PREFERENCE FOR MEDICAL SERVICES AND CONSULTATION: AFFECTED AREAS

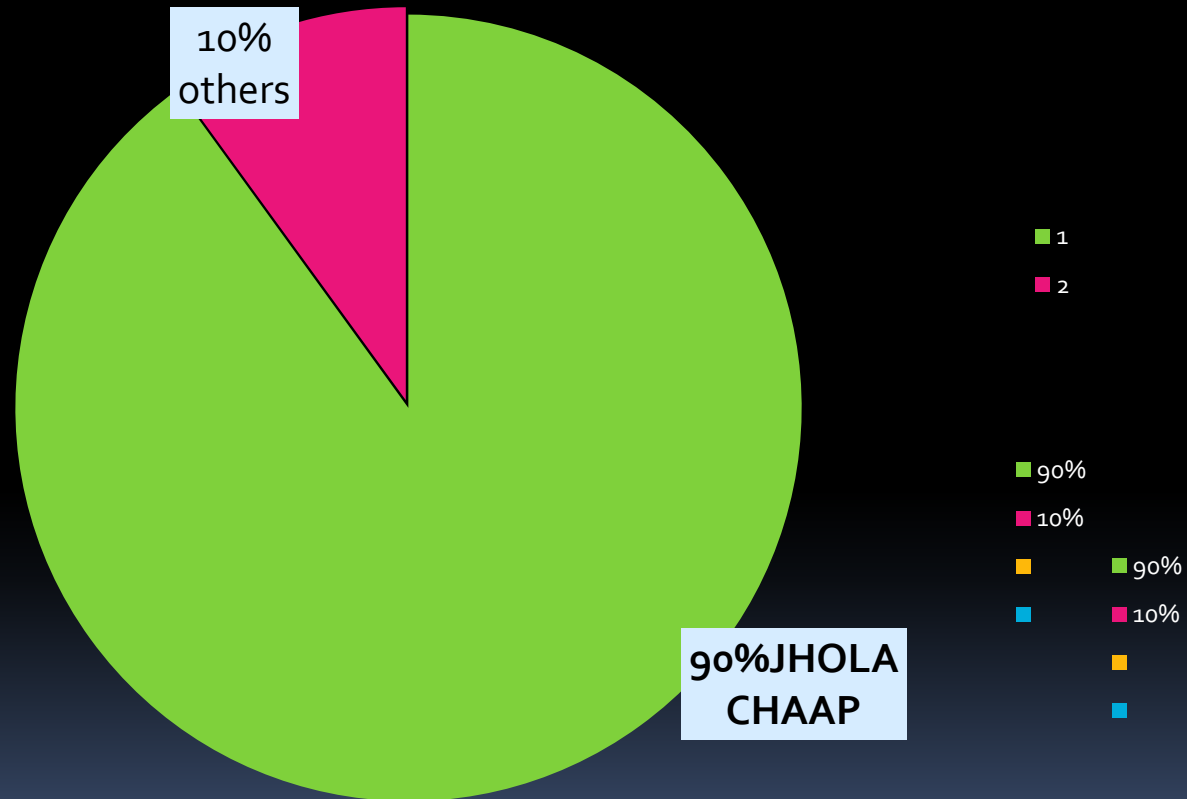
OTHERS: MEDICAL COLLEGE, PHC, CHC, PVT PRACTITIONERS



# PREFERENCE FOR MEDICAL SERVICES AND CONSULTATION:

NON AFFECTED AREAS

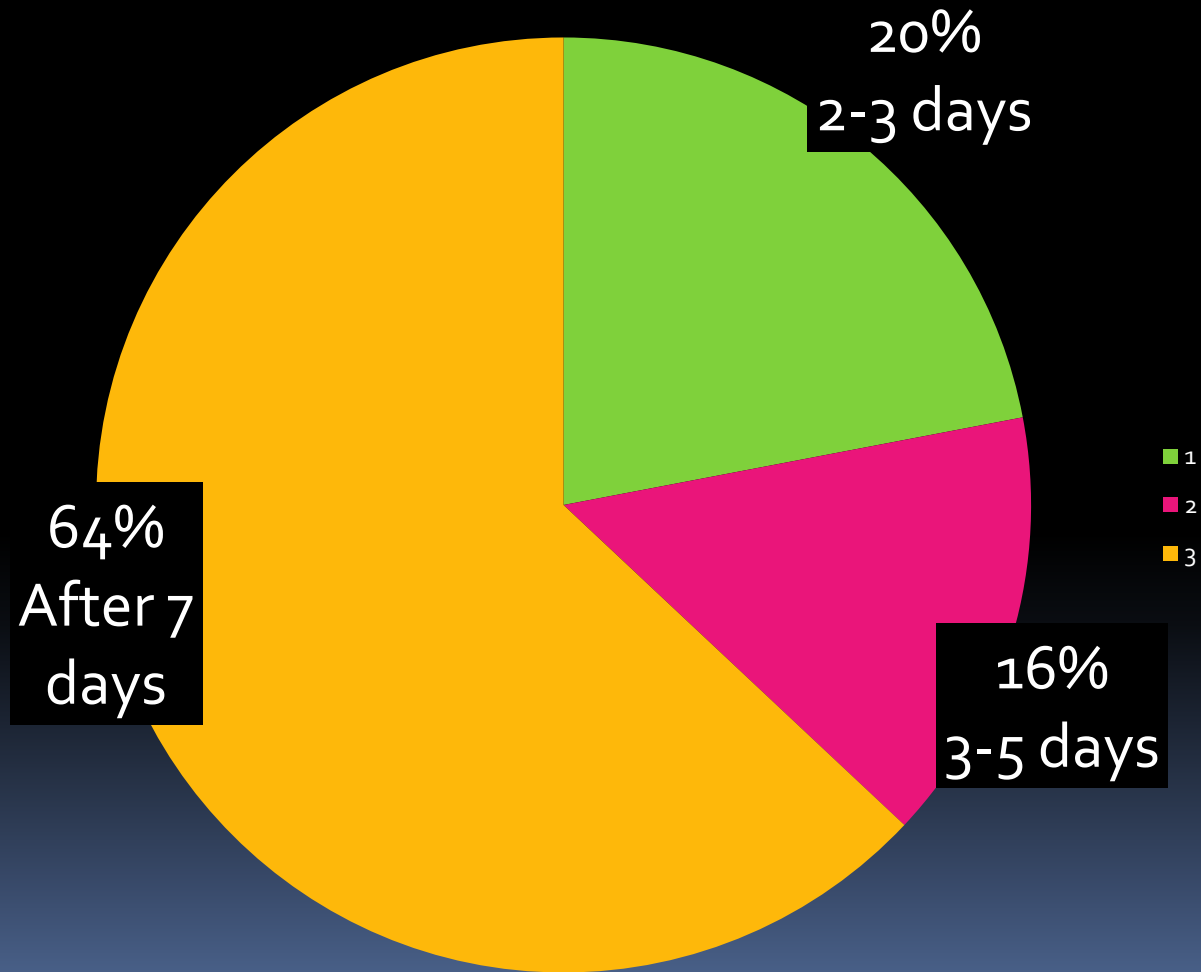
OTHERS ;MEDICAL COLLEGE,PHC,CHC,PVT PRACTITONERS



# TIME TAKEN TO GO FOR SPECIALISED TREATMENT (AFFECTED AREAS)



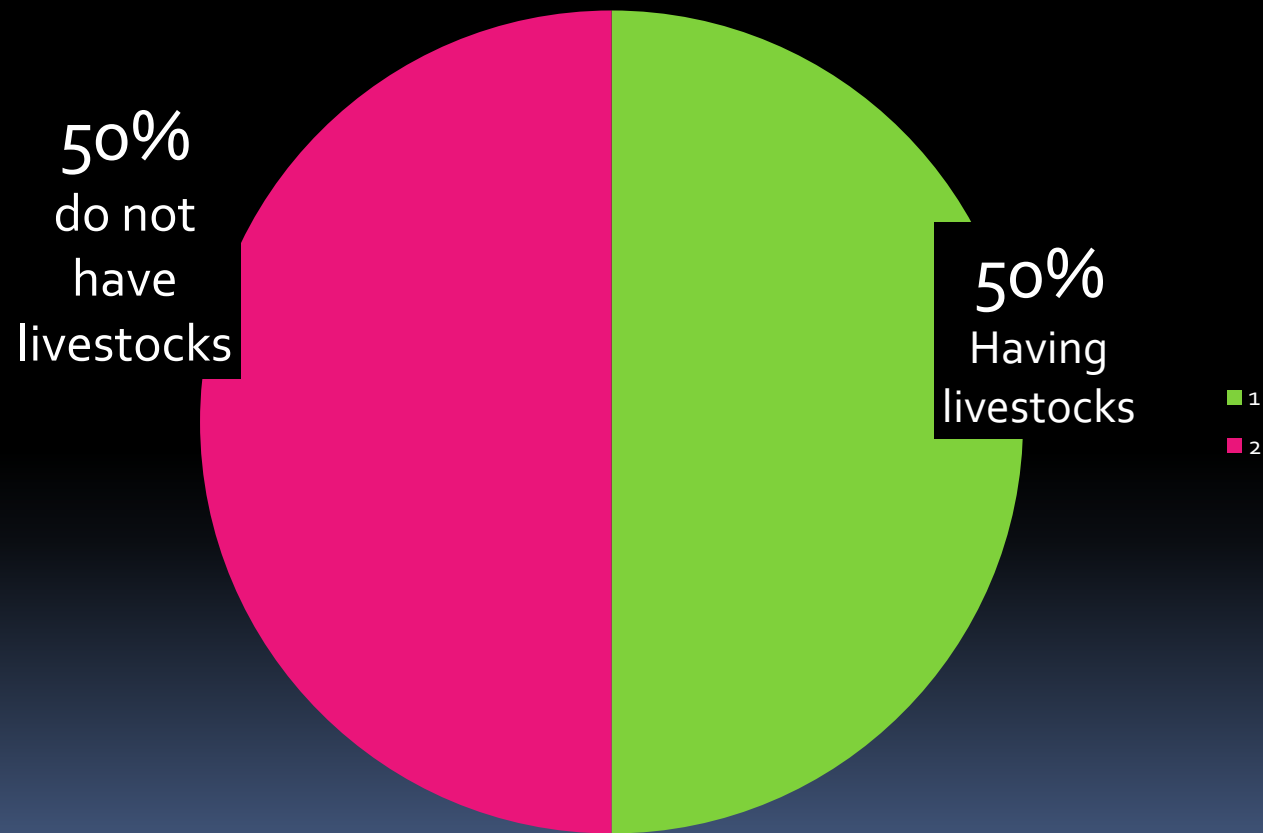
# TIME TAKEN TO GO FOR SPECIALISED TREATMENT (NON AFFECTED AREAS)





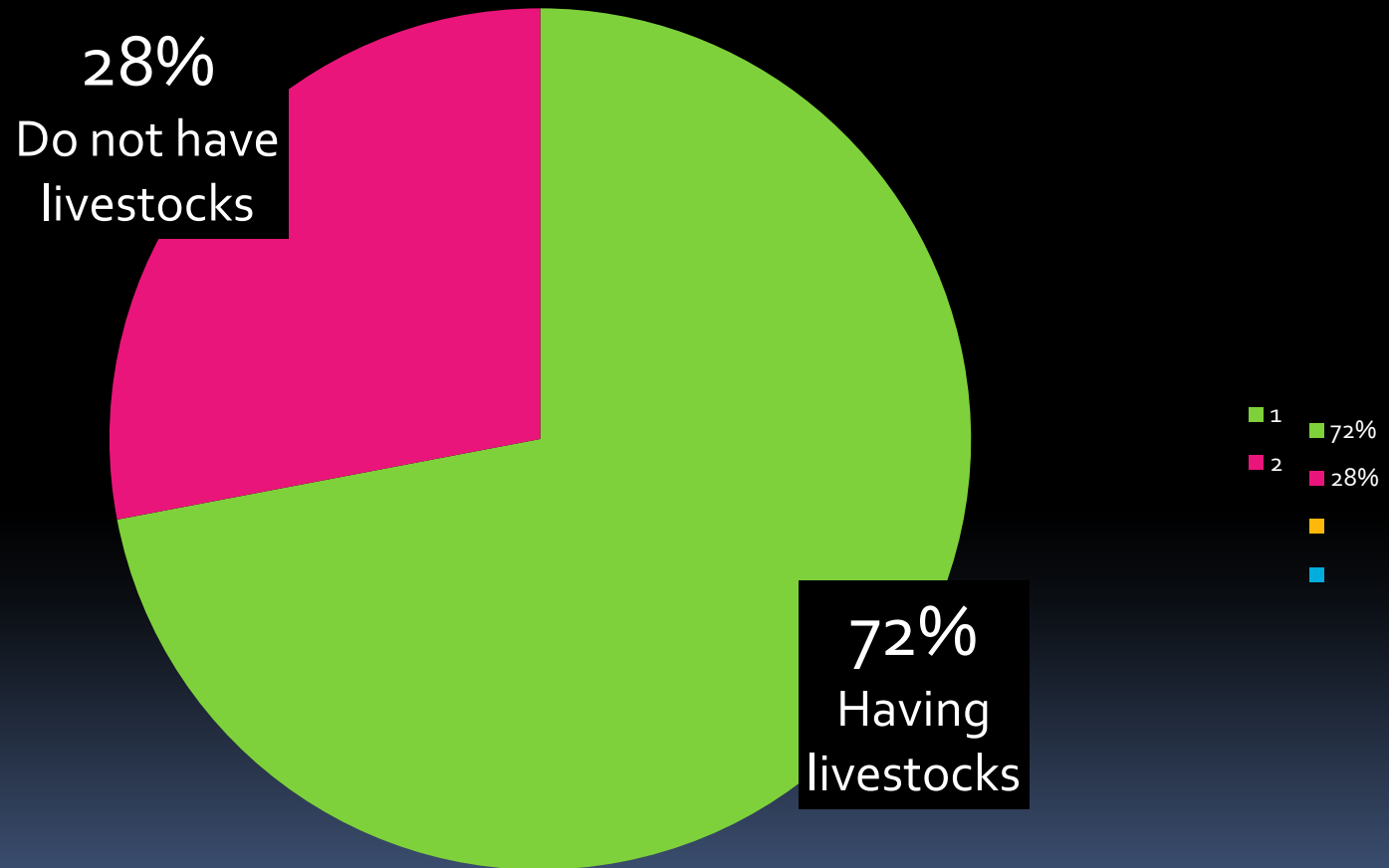
# LIVESTOCKS AND THEIR STATUS:

## Families having livestock's-Affected areas



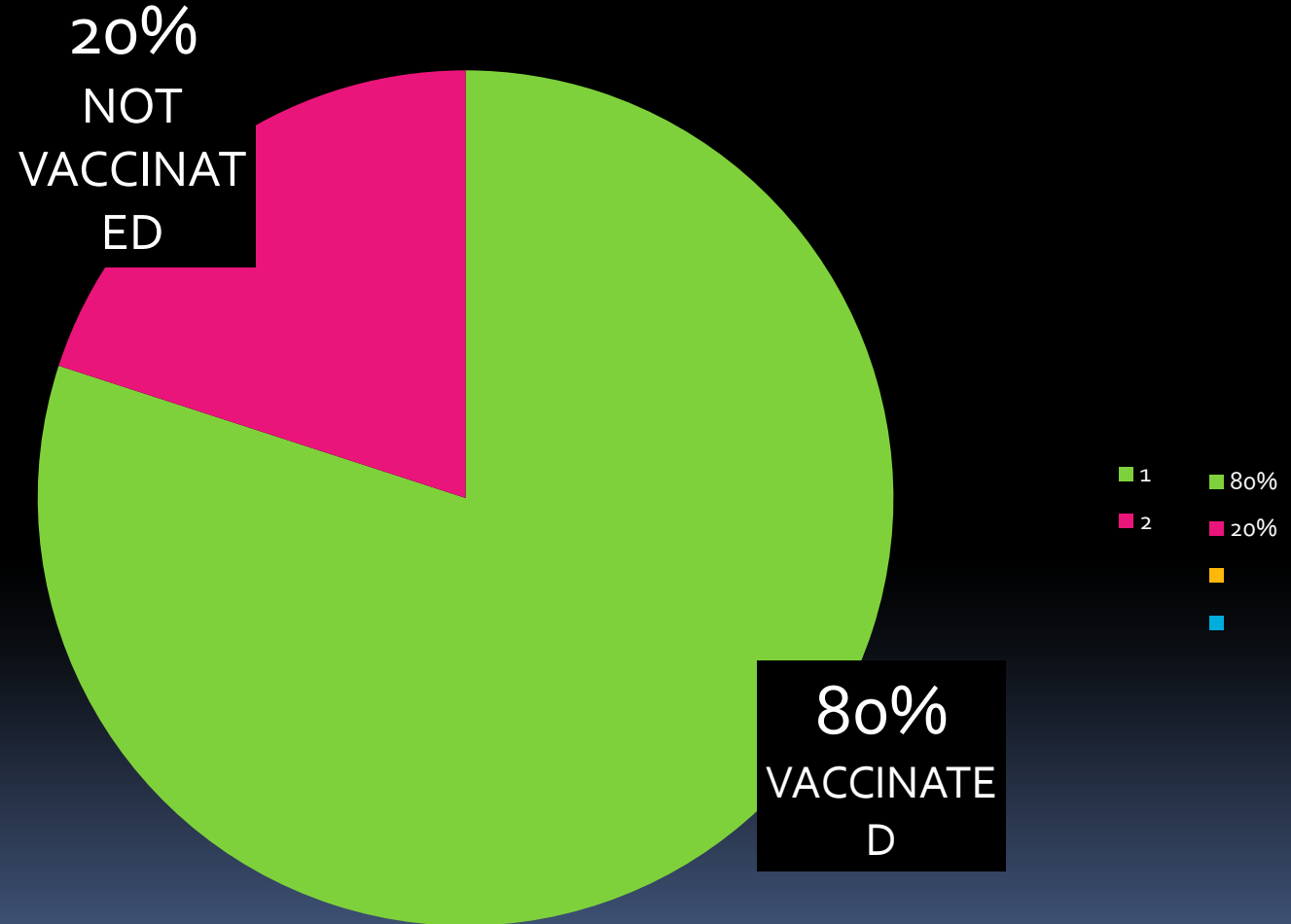
# LIVESTOCKS AND THEIR STATUS:

Families having livestock's-Non Affected areas



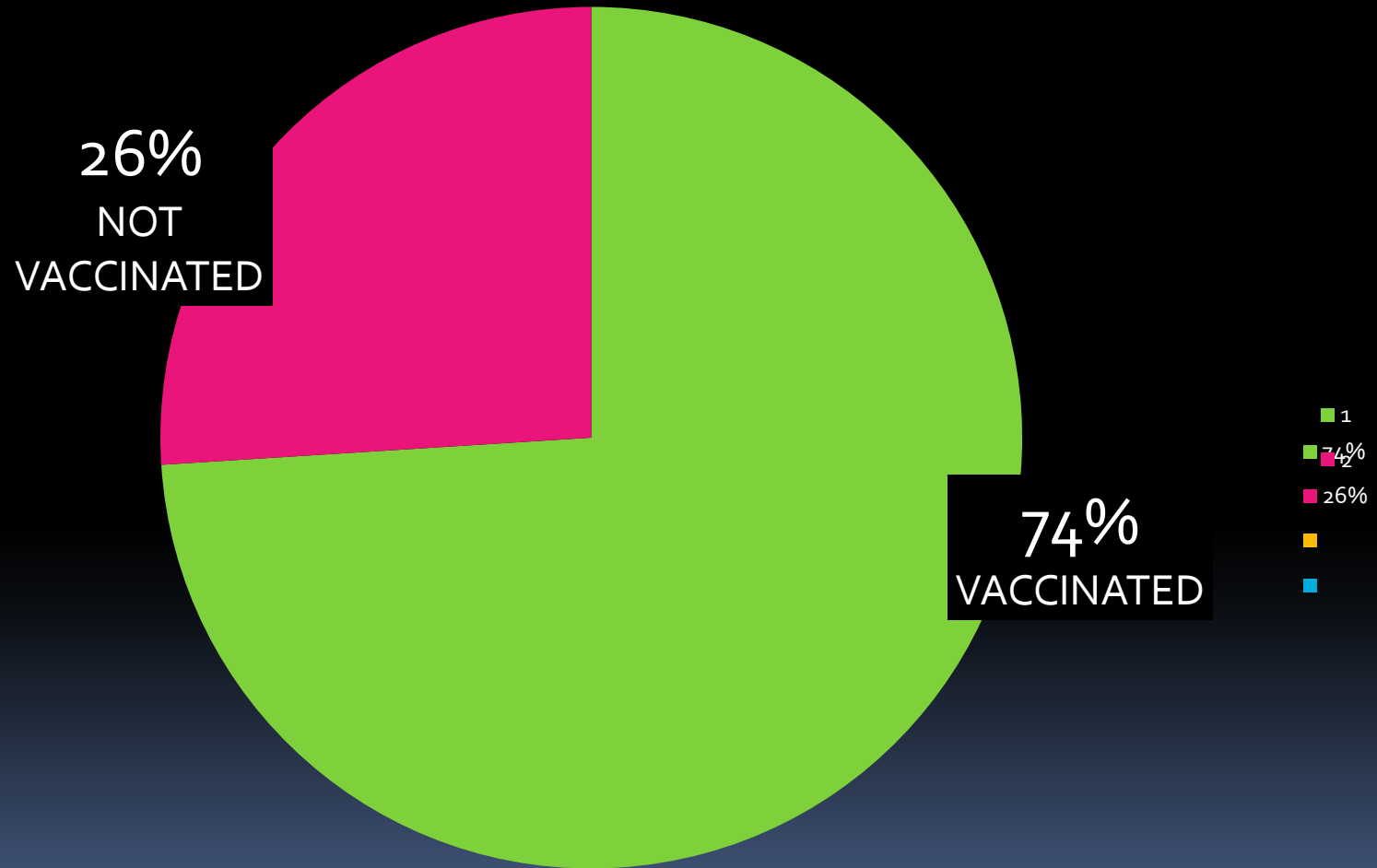
# VACCINATION STATUS:

J.E VACCTNATTON IN THE AFFECTED AREAS

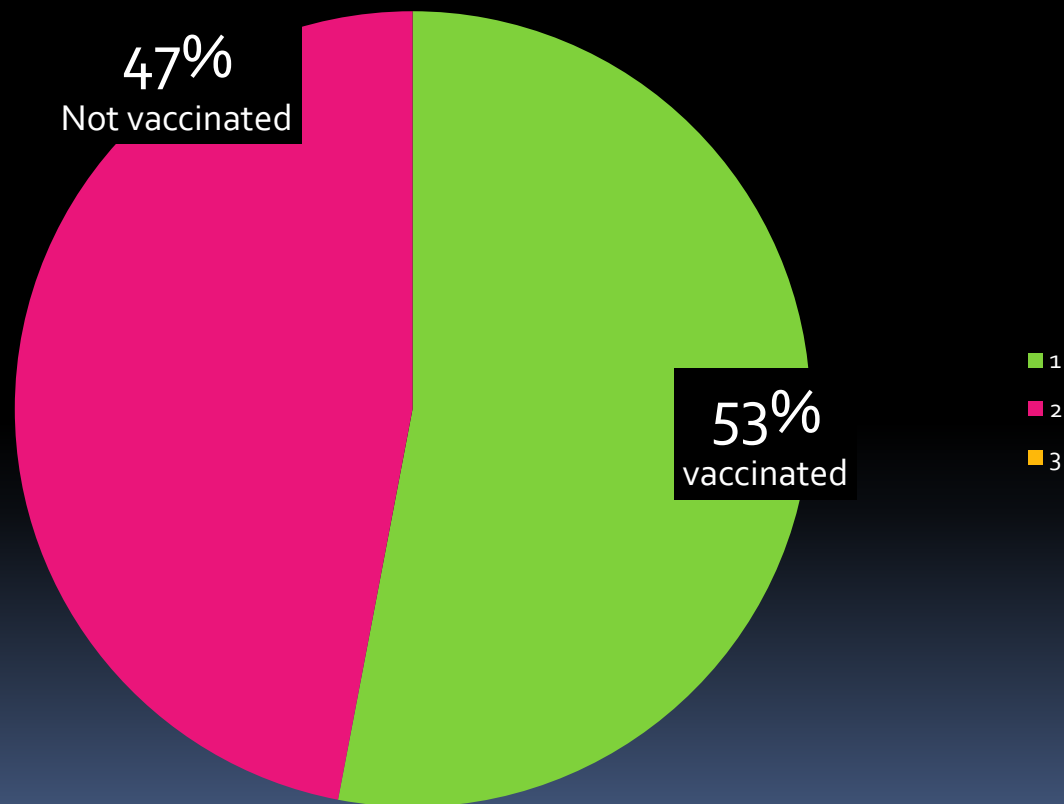


# VACCINATION STATUS:

## J.E VACCINATION IN THE NON AFFECTED AREAS

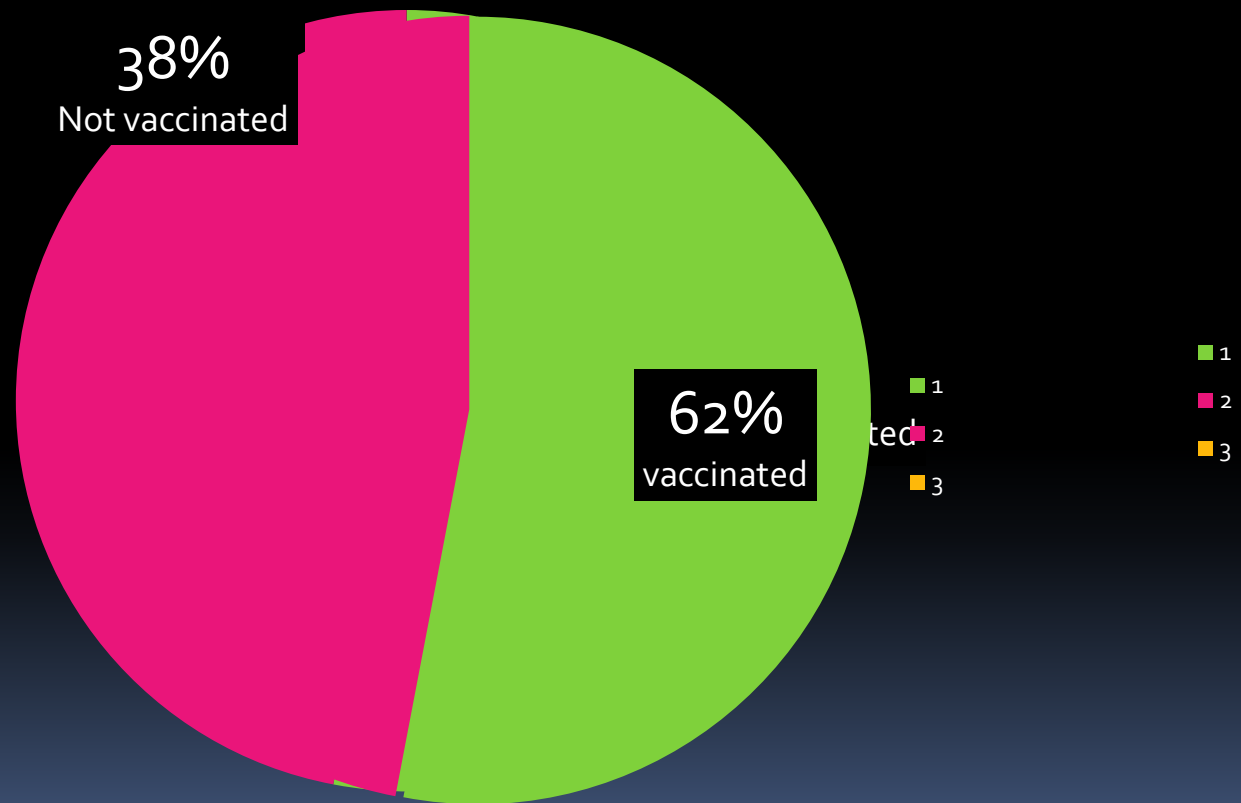


# LIVESTOCK VACCINATION: IN THE AFFECTED AREAS: 53% vaccinated



# LIVESTOCK VACCINATION:

IN THE NON AFFECTED AREAS: 62% vaccinated



## DROP OUT SCENARIO:

- The trend for the past few years shows a drastic change in the climatic conditions. This particular disease was considered to have a direct relation with the rainy season and the time period was specific. For the past two years it is visible that the cases are being reported throughout the year, for the same reason it is suspected that something other than the killer trio (pig, mosquito and paddy fields) may be the cause or the carrier. It is evitable that only 12-13 cases reported are being found J.E. positive .Others are said to be of Acute Encephalitis Syndrome but the etiology is still unknown and we do not think about other strains of same family or mutant of same species .

# RECOMMENDATION:01

- A long term (Twenty years) program with a scientific approach to monitor the nutritional level of the vulnerable group and its implications in terms of the epidemic should be designed.



## **RECOMMENDATION:02**

- Coordination between different departments of the government such as health, veterinary, environment and social welfare should be assured. and a collective resource group should access and design a long term comprehensive program and design to fight against the deadly disease.

## **RECOMMENDATION:03**

- Safe and pure drinking water should be made available to everyone

## **RECOMMENDATION:04**

- Continuous evaluation and monitoring of the current preventive measures to be taken in the vulnerable areas and should be scientifically redesigned and executed.

# RECOMMENDATION:05

- In the absence of required no. of trained health manpower, the untrained/jhola chap doctors should be empowered with knowledge and information's to assure the **proper and timely referral** of the patients for specialized advise.(As we cannot ignore their presence and the role in the field )

## **RECOMMENDATION:06**

- Planned simultaneous vaccination of humans and animals should be done in order to minimize the risk factor.

# RECOMMENDATION:07

- As the livestock's play an important role in insuring the livelihood and nutritional status of the masses, the role of the veterinarians should also be defined and ensured in the whole strategy/process. It should be kept in mind that the pigs, horses and the wild birds are the known amplifier hosts and likewise others may be.

## **RECOMMENDATION:08**

- In view of low awareness, the tools for awareness should be redesigned with a scientific approach keeping in mind the specific roles of different stakeholders.

## **RECOMMENDATION:09**

- A nodal officer at the district level directly responsible to the effective design and implementation of strategy be placed which will help work an affective surveillance, better coordination network and make the system more accountable.



# RECOMMENDATION:10

- A HUMANE AND EFFECTIVE PHYSICAL, MENTAL AND SOCIAL REHABILITATION PLAN FOR THE NEW ARMY OF DISABLED SHOULD BE MADE AFTER THEIR IDENTIFICATION AND CLASSIFICATION. A PROGRAMME SHOULD BE INITIATED TO MAKE THEM ASSETS RATHER THAN LIABILITY
- The official data shows that almost 30-35% of the affected are left physically and mentally disabled. If we consider the said ratio we find that about 1,25,000 affected are left behind in the past three decades in purvanchal with disability in some or the other form.

# RECOMMENDATION:11

- MONEY SANCTIONED AND DISBURSED AT VARIOUS LEVELS BY THE GOVERNMENT SHOULD BE FULLY UTILISED IN AN ACCOUNTABLE MANNER.
- \*\*\* SOURCES SAY THAT ONLY 30-40% OF THE FUNDS ARE BEING UTILISED

# THANKS

- DEDICATED TO ALL WHO  
LOST THEIR LIVES BECAUSE  
OF JAPANESE ENCEPHALITIS