



Republic of the Union of Myanmar

SEACFMD National Coordinator (NC) Virtual Meeting

5 June 2020, 14.00-15. 45 Bangkok time (GMT+7)

Dr KHIN OHNMAR LWIN

Title : DEPUTY DIRECTOR

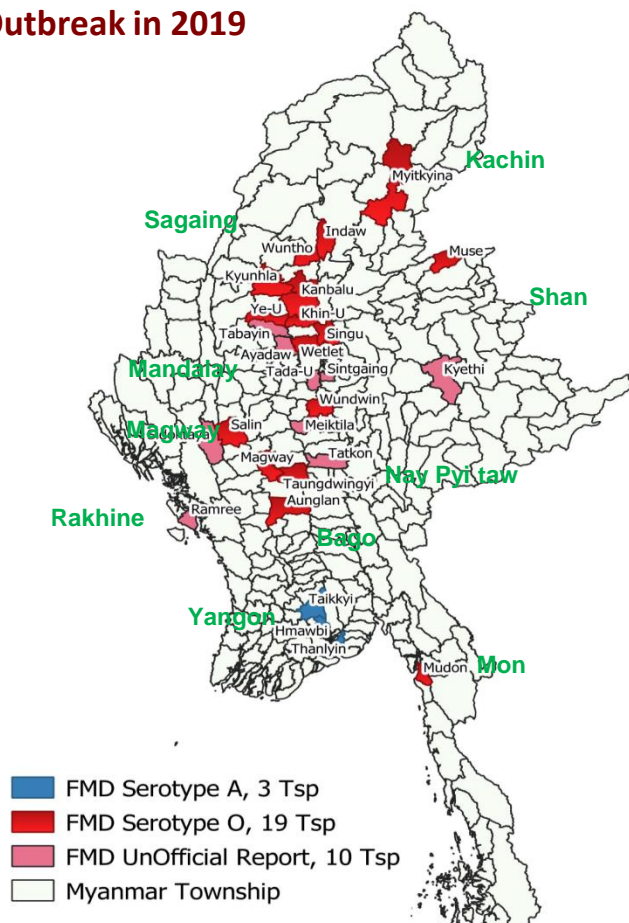
Organization : LIVESTOCK BREEDING AND VETERINARY DEPARTMENT



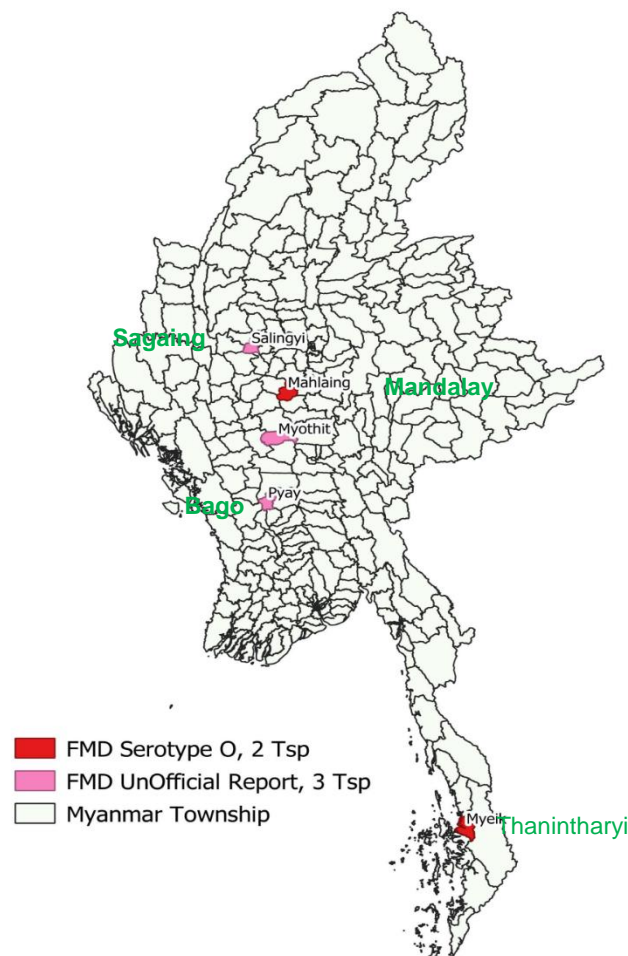
FMD Situation

Spatial distribution from January 2019 - April 2020

Outbreak in 2019



Outbreak in 2020

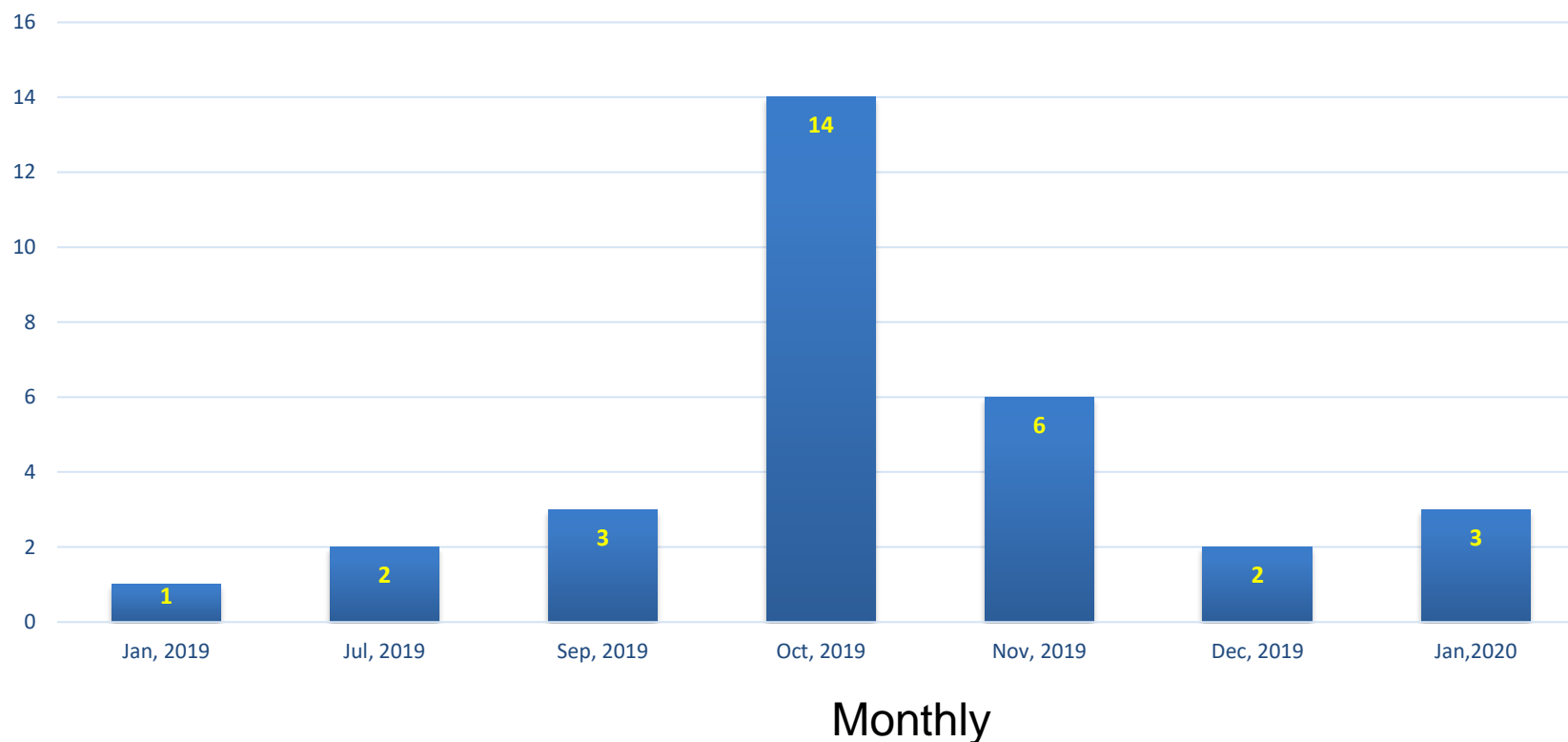




FMD Situation

Temporal distribution from Jan 2019- April 2020

Monthly Reported FMD outbreak (based on village number)





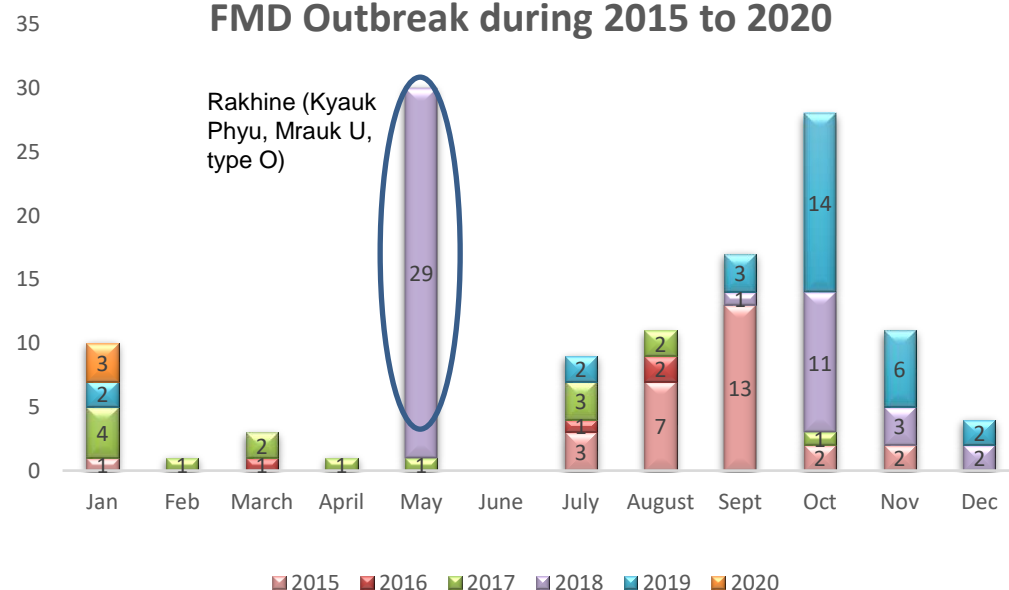
FMD outbreaks by serotypes/genotypes

Year	2019 (No. of outbreaks)	2020 (No. of outbreaks)	Remarks (e.g. is there clustering ; reported first time in the country or part of the country, etc.)
Serotype O	24	3	Based on one village one case, annually case
• Mya/98	13		Based on number of sample, Send to NIAH, Japan
• India/2001/d			
• India/2001/e	7		Based on number of sample, Send to NIAH, Japan
Serotype A	5		Based on one village one case, last outbreak on 2015
A/ASIA/SEA-97	2		Based on number of sample, Send to NIAH, Japan
Serotype Asia 1	-	-	
Untype	2		Based on number of sample, Send to NIAH, Japan

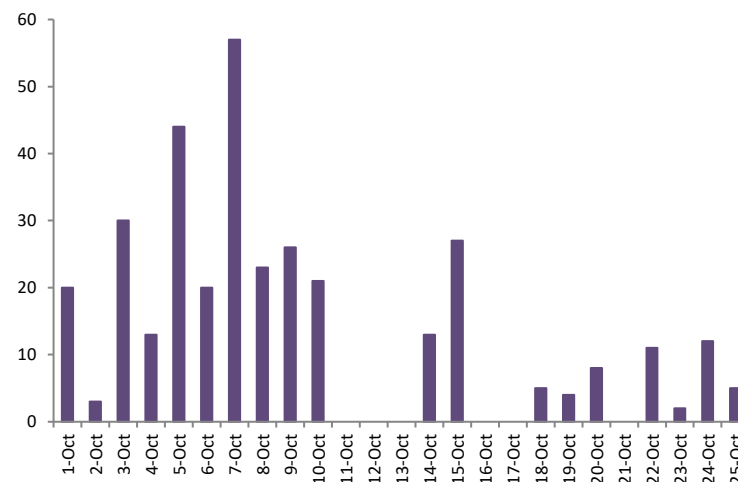


5-year FMD trends (2015-2020)

FMD Outbreak during 2015 to 2020



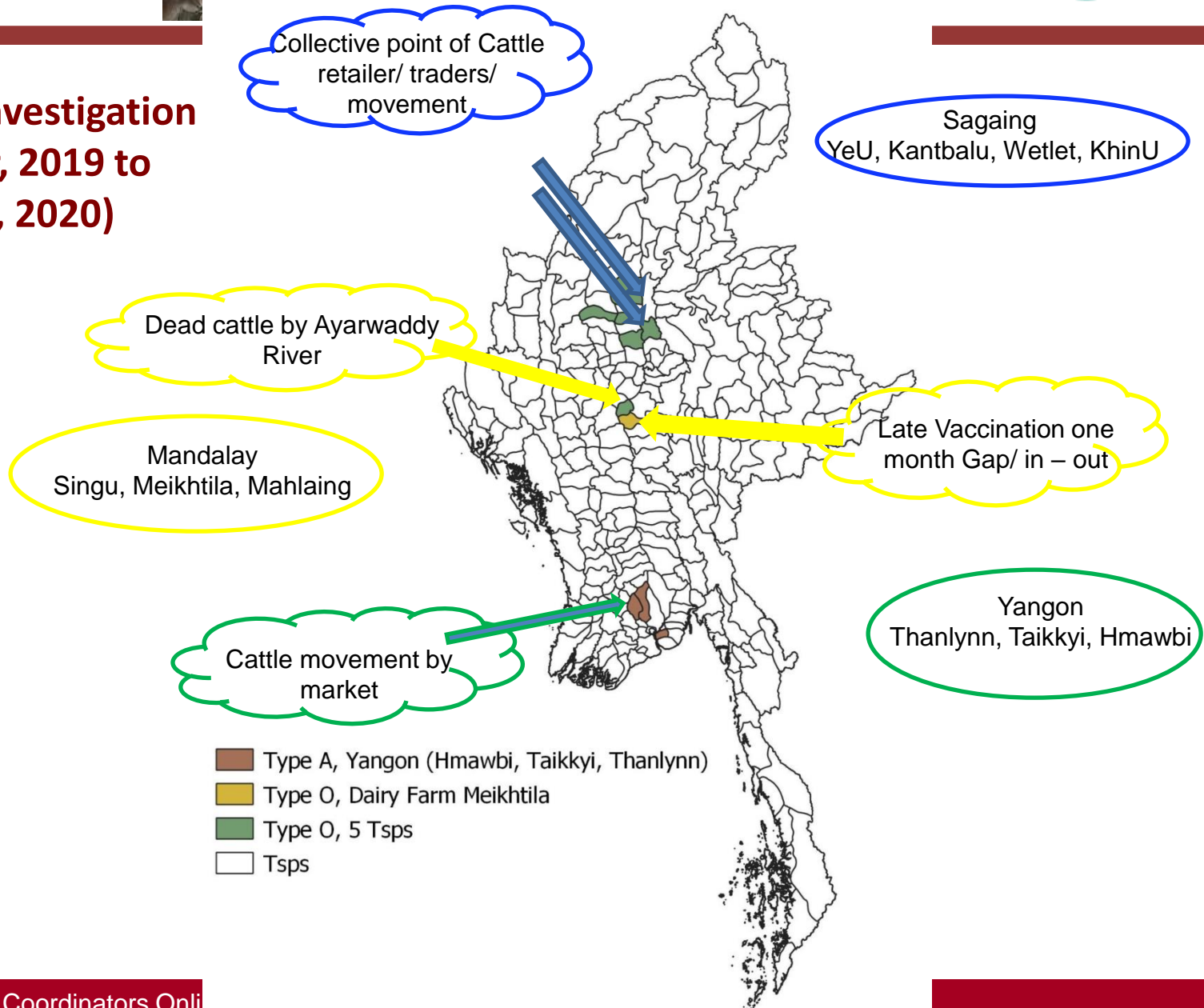
FMD cases in Sagaing, 2019



- Mostly occurred in from July to November.
- High number in May, 2018 that is spread outbreak Kyauktaw district, Rakhine.
- High incidence in October, 2019 especially Sagaing. Mainly cause by animal movement (trade)



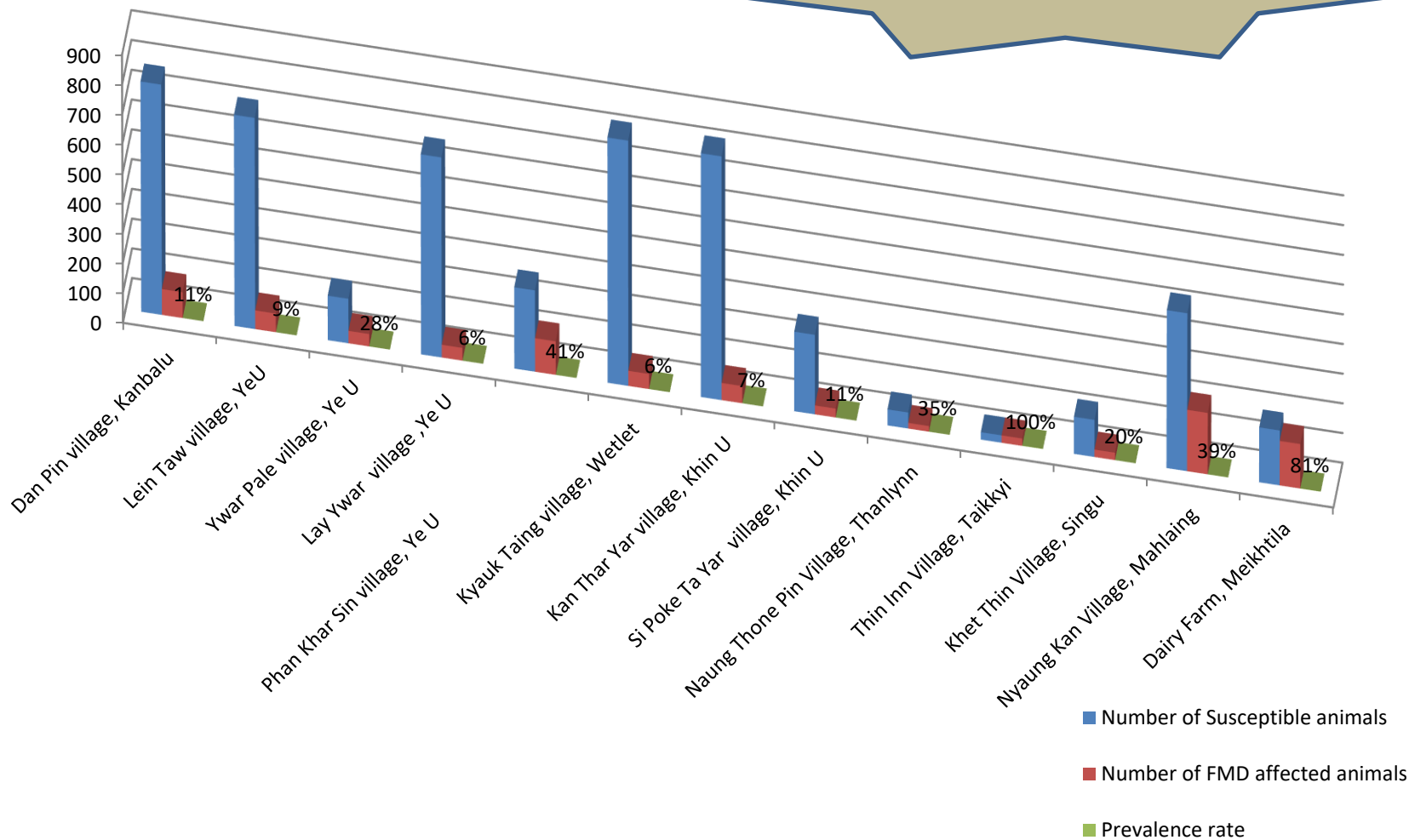
outbreak Investigation (October, 2019 to March, 2020)





Prevalence % by outbreak investigation

Main cause by Movement





5-year FMD trends (2015-2020)

- *Nationwide sero-survey plan is conducted. Sampling is based on 10 year outbreak record, animal population (high and low risk animal), migrating cattle.*
- *Also conducted in LBVD's research farm (Cattle, Goat and Pig).*
- *Nay Pyi Taw, Bago(west), Magway was finished.*
- *Can collect 2-3 % of sample collection because of ELISA kit and reagent limitation even Government budget support.*
- *Need technical support such as standard method for sampling and laboratory and also for laboratory accessories.*
- *Support of vaccine (FOC) if outbreak report immediately is very effective information and sample submission.*
- *Systemic legal trade leading to willing vaccination with money but still need to negotiate in smallholder like 1-5 cattle.*



Impact of COVID-19 on FMD Activities

- *Temporary delay sero-survey plan to Sagaing close to India border and Yangon.*
- *FMD reporting system even by hearsay and lack of sample submission.*
- *Delay of vaccine arriving and vaccination campaign.*
- *Delay training and awareness program.*
- *Video conferencing is good in Gov official but difficult in village level.*

Thanks for attention

