



GOVERNMENT OF MEGHALAYA

MONTHLY ANIMAL DISEASE REPORT ON SPECIFIC AND NON-SPECIFIC DISEASES

DURING
JANUARY - 2015



Published by :

The Office of Assistant Director (Disease Investigation) and
Assistant Director (Disease Surveillance)
Directorate of A. H. & Veterinary,
Meghalaya, Shillong.

(Under NADRS project of C.S.S.)

**List of locations where hardwares had been installed under NADRS Project
in respect of Meghalaya State during 2011**

DISTRICT	OFFICIAL ADDRESS
EAST KHASI HILLS	Directorate of Animal Husbandry & Veterinary, Lumdingjri, Shillong - 793002, Meghalaya
	Directorate of Animal Husbandry & Veterinary, Lumdingjri, Shillong - 793002, Meghalaya
	East Khasi Hills District, Shillong - 793002, Meghalaya
	Laitkhroh, C & R.D. Block, Sohra Sub- Division, East Khasi Hills District - 793111, Meghalaya
	Mawkynrew C & R.D. Block, East Khasi Hills District - 793015, Meghalaya
	Mawphlang C & R.D. Block, East Khasi Hills District - 793121, Meghalaya
	Mawryngkneng C & R.D. Block, East Khasi Hills District - 793021, Meghalaya
	Mawsynram C & R.D. Block, East Khasi Hills District - 793113, Meghalaya
	Pynursla C & R.D. Block, East Khasi Hills District - 793110, Meghalaya
Shella Bholaganj, C & R.D. Block, Sohra Sub- Division, East Khasi Hills District - 793107, Meghalaya	
WEST KHASI HILLS	West Khasi Hills District, Nongstoin - 793119
	Mairang, C & R.D. Block, Mairang, Sub- Division, West Khasi Hills District - 793120, Meghalaya
	Mawshynrut C & R.D. Block, West Khasi Hills District - 793119, Meghalaya
	Mawthadraishan, C & R.D. Block, West Khasi Hills District - 793119, Meghalaya
SOUTH WEST KHASI HILLS	Mawkyrwat, C & R.D. Block, Mawkyrwat Sub- Division, West Khasi Hills District - 793114, Meghalaya
	Ranikor, C & R.D. Block, Mawkyrwat Sub- Division, West Khasi Hills District - 793119, Meghalaya
RI-BHOI	Ri Bhoi District, Nongpoh- 793102, Meghalaya
	Jirang, C & R.D. Block, Ri Bhoi District - 781131, Meghalaya
	Umling, C & R.D. Block, Ri Bhoi District - 793102, Meghalaya
	Umsning, C & R.D. Block, Ri Bhoi District - 793105, Meghalaya
EAST JAINTIA HILLS	Khliehriat C & R.D. Block, Khliehriat Sub- Division, Jaintia Hills District - 793200, Meghalaya
	Jaintia Hills District, Jowai - 793150, Meghalaya
WEST JAINTIA HILLS	Amlarem C & R.D. Block, Amlarem Sub- Division, Jaintia Hills District - 793150, Meghalaya
	Laskein C & R.D. Block, Jaintia Hills District - 793150, Meghalaya
	Thadlaskein, C & RD block, West Jaintia Hills, Pin- 793151, Meghalaya.
	West Garo Hills, Tura - 794001, Meghalaya
WEST GARO HILLS	Dadenggiri C & R.D. Block, Dadenggiri Sub- Division, West Garo Hills District - 794104, Meghalaya
	Dalu C & R.D. Block, West Garo Hills District - 794103, Meghalaya
	Gambegre, C & R.D. Block, West Garo Hills District - 794005, Meghalaya
	Rongram, C & R.D. Block, West Garo Hills District - 794002, Meghalaya
	Tikrikilla C & R.D. Block, Dadenggiri Sub- Division, West Garo Hills District - 794109, Meghalaya
	Betasing C & R.D. Block, West Garo Hills District - 794115, Meghalaya
SOUTH WEST GARO HILLS	Zikzak C & R.D. Block, West Garo Hills District - 794115, Meghalaya
	East Garo Hills, Williamnagar - 794111, Meghalaya
EAST GARO HILLS	Dambo Rongjeng, C & R.D. Block, East Garo Hills District - 794110, Meghalaya
	Resulbelpara, C & R.D. Block, Resulbelpara Sub- Division, East Garo Hills District - 794108, Meghalaya
NORTH GARO HILLS	Kharkutta, C & R.D. Block, Resulbelpara Sub- Division, East Garo Hills District - 783134, Meghalaya
	Baghmara South Garo Hills, - 794102, Meghalaya
SOUTH GARO HILLS	Chokpot C & R.D. Block, South Garo Hills District - 794005, Meghalaya

NATIONAL ANIMAL DISEASE REPORTING SYSTEM **(NADRS)**

Introduction :

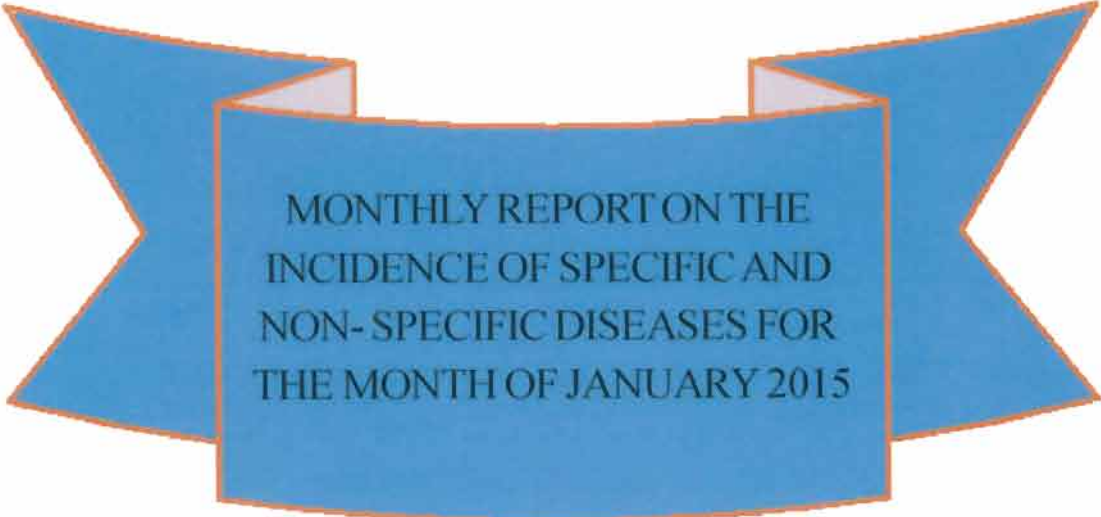
Introduction Animal wealth in India has increased manifold. Animal husbandry practices have changed to a great extent following the introduction of newer technologies particularly for crossbreeding and up gradation of indigenous breeds. With the liberalization of trade after the advent of WTO's Sanitary & Phyto-Sanitary (SPS) agreement, the chances of exotic diseases in the country have increased. For ensuring the maintenance of disease free status and to be compatible with the standards laid by the Office International des Epizooties (OIE) - World Animal Health Organization, major health schemes have been initiated to support the animal health programmes in the states. **National Animal Disease Reporting System (NADRS)** is one of the new components implemented in the 11th Five Year Plan.

Objectives:

NADRS Project has been envisioned to put in place a system that will help to monitor livestock health across the country and would be an engine to help decision support. The following are the objectives of the system:

1. Provide instant alerts to all concerned about Animal Disease Outbreaks, Remedial measures, etc.
2. Disseminate information related to Animal diseases to all stakeholders in a timely & efficient manner.
3. Prevent revenue losses by predictive analysis by using an integrated Management Information System for better decision support
4. To systemize the existing record keeping procedure.
5. To improve the quality of the information system generated by district level offices.

The Monthly Animal Disease Report has been Compiled as per informations received from the respective District A.H. & Veterinary Officers of Eleven (11) Districts of the State.



MONTHLY REPORT ON THE
INCIDENCE OF SPECIFIC AND
NON-SPECIFIC DISEASES FOR
THE MONTH OF JANUARY 2015

**Monthly Report on the Incidence of Specific and Non Specific Diseases in Meghalaya
During the Month of January - 2015**

Sl.No	DISEASES/SPECIES/District	OB	AT	DT	Villages
A.	VIRAL DISEASES				
1.	Foot & Mouth Diseases(FMD)				
	(a)Bovine				
	East Jaintia Hills District		15		Khliehriat.
	West Jaintia Hills District				
	East Khasi Hills District				
	West Khasi Hills District				
	South West Khasi Hills District				
	Ri-Bhoi District				
	East Garo Hills District				
	West Garo Hills District				
	South West Garo Hills District		31		Ampati, Zikzak, Jarangkona.
	North Garo Hills District				
	South Garo Hills District				
	Sub-Total	0	46	0	
	(b)Swine				
	East Jaintia Hills District				
	West Jaintia Hills District				
	East Khasi Hills District				
	West Khasi Hills District				
	South West Khasi Hills District				
	Ri-Bhoi District				
	East Garo Hills District				
	West Garo Hills District				
	South West Garo Hills District				
	North Garo Hills District				
	South Garo Hills District				
	Sub-Total	0	0	0	
	(c)Caprine				
	East Jaintia Hills District				
	West Jaintia Hills District				
	East Khasi Hills District				
	West Khasi Hills District				
	South West Khasi Hills District				
	Ri-Bhoi District				
	East Garo Hills District				
	West Garo Hills District				
	South West Garo Hills District				
	North Garo Hills District				
	South Garo Hills District				
	Sub-Total	0	0	0	
	Grand-Total	0	46	0	
2.	Swine Fever				
	East Jaintia Hills District				
	West Jaintia Hills District				
	East Khasi Hills District				
	West Khasi Hills District				
	South West Khasi Hills District				
	Ri-Bhoi District				
	East Garo Hills District				
	West Garo Hills District				
	South West Garo Hills District		67		Ampati, Jongcheipara, Zikzak, Mahendraganj, Betasing.
	North Garo Hills District				
	South Garo Hills District				
	Total	0	67	0	
3.	Rabies				
	(a)Canine				
	East Jaintia Hills District				
	West Jaintia Hills District				
	East Khasi Hills District				
	West Khasi Hills District				
	South West Khasi Hills District				
	Ri-Bhoi District				
	East Garo Hills District				
	West Garo Hills District				
	South West Garo Hills District				
	North Garo Hills District				
	South Garo Hills District				
	Sub-Total	0	0	0	
	(b)Bovine/Swine/Caprine				
	East Jaintia Hills District				
	West Jaintia Hills District				
	East Khasi Hills District				
	West Khasi Hills District				
	South West Khasi Hills District				
	Ri-Bhoi District				
	East Garo Hills District				
	West Garo Hills District				
	South West Garo Hills District				
	North Garo Hills District				
	South Garo Hills District				
	Sub-Total	0	0	0	
	Grand-Total	0	0	0	

NB: No Reports from East Garo Hills District (**)

4.	Canine Distemper East Jaintia Hills District West Jaintia Hills District East Khasi Hills District West Khasi Hills District South West Khasi Hills District Ri-Bhoi District East Garo Hills District West Garo Hills District South West Garo Hills District North Garo Hills District South Garo Hills District		20		Ampati, Zikzak.
	Total	0	20	0	
5.	Ranikhet Disease (RD) East Jaintia Hills District West Jaintia Hills District East Khasi Hills District West Khasi Hills District South West Khasi Hills District Ri-Bhoi District East Garo Hills District West Garo Hills District South West Garo Hills District North Garo Hills District South Garo Hills District		250 30 141		Pynthorlangter, Rahaing Thynroit Ampati, Kalaichar, Zikzak, Jarangkhone, Mahendraganj.
	Total	0	421	0	
6.	Fowl Pox East Jaintia Hills District West Jaintia Hills District East Khasi Hills District West Khasi Hills District South West Khasi Hills District Ri-Bhoi District East Garo Hills District West Garo Hills District South West Garo Hills District North Garo Hills District South Garo Hills District		30 80 60 35		Iowai Nonglwai, Mawkyller. Kyrdem. Resubelpara.
	Total	0	205	0	
7.	Infectious Bursal Diseases (IBD) East Jaintia Hills District West Jaintia Hills District East Khasi Hills District West Khasi Hills District South West Khasi Hills District Ri-Bhoi District East Garo Hills District West Garo Hills District South West Garo Hills District North Garo Hills District South Garo Hills District		45		Umsong
	Total	0	45	0	
B.	BACTERIAL DISEASE				
1.	Haemorrhagic Septicaemia (a) Bovine East Jaintia Hills District West Jaintia Hills District East Khasi Hills District West Khasi Hills District South West Khasi Hills District Ri-Bhoi District East Garo Hills District West Garo Hills District South West Garo Hills District North Garo Hills District South Garo Hills District		5 5 27		Sem masi. Rahaing Ampati, Jongchetpara, Zikzak, Kalaichar.
	Total	0	37	0	
2.	Black Quarter East Jaintia Hills District West Jaintia Hills District East Khasi Hills District West Khasi Hills District South West Khasi Hills District Ri-Bhoi District East Garo Hills District West Garo Hills District South West Garo Hills District North Garo Hills District South Garo Hills District		16 35		Kynrud Ampati, Jongchetpara, Kalaichar, Zikzak, Mahendraganj, Betasing.
	Total	0	51	0	
3.	Bacillary White Diarrhoea (BWD) East Jaintia Hills District West Jaintia Hills District East Khasi Hills District West Khasi Hills District South West Khasi Hills District Ri-Bhoi District East Garo Hills District West Garo Hills District South West Garo Hills District North Garo Hills District South Garo Hills District		582		Laitdom, Mawshut, Thangmaw, Mawkhep, Mawnai, Mawlumkomkhrang, Mawphannlew, Mawpen, Nongkhlaw.
	TOTAL	0	582	0	
4.	Chronic Respiratory Disease (CRD) East Jaintia Hills District West Jaintia Hills District East Khasi Hills District West Khasi Hills District South West Khasi Hills District Ri-Bhoi District East Garo Hills District West Garo Hills District South West Garo Hills District North Garo Hills District South Garo Hills District		60		Tura.
	TOTAL	0	60	0	

(**)

District/Disease	B	Cp	Ov	S	Av	E	C	F	OT	Total	No. of death	Remarks
C. Parasitic Diseases												
(a) Round Worms (Nematodiasis)												
East Jaintia Hills District	104	12	1	49	125		2			293		
West Jaintia Hills District	49	60		118	1584		13			2124		
East Khasi Hills District	9	13		180						202		
West Khasi Hills District	51			55	113		2		2	223		
South West Khasi Hills District	99	92		83	156					430		
Ri-Bhoi District	67	20		786	1161		42	3		2079		
East Garo Hills District										0		
West Garo Hills District	105	10		76	77		87		51	406		
South West Garo Hills District										0		
North Garo Hills District										0		
South Garo Hills District										0		
Total	484	207	1	1647	3216	0	146	3	53	5757		
(b) Tape Worm (Cestodiasis)												
East Jaintia Hills District										0		
West Jaintia Hills District	15	8		114	20					157		
East Khasi Hills District				34						34		
West Khasi Hills District	10	2		97			1			110		
South West Khasi Hills District	14	15		20	82					131		
Ri-Bhoi District				24						24		
East Garo Hills District										0		
West Garo Hills District	49			52	51		80		42	274		
South West Garo Hills District										0		
North Garo Hills District										0		
South Garo Hills District										0		
Total	88	25	0	341	153	0	81	0	42	730		
(a) Fluke Worm (Trematodiasis)												
East Jaintia Hills District										0		
West Jaintia Hills District										0		
East Khasi Hills District										0		
West Khasi Hills District										0		
South West Khasi Hills District	7	8		2						17		
Ri-Bhoi District										0		
East Garo Hills District										0		
West Garo Hills District	6									6		
South West Garo Hills District										0		
North Garo Hills District										0		
South Garo Hills District										0		
Total	13	8	0	2	0	0	0	0	0	23		
2. Protozoans												
(a) Blood Protozoans												
East Jaintia Hills District										0		
West Jaintia Hills District										0		
East Khasi Hills District							2			2		
West Khasi Hills District										0		
South West Khasi Hills District										0		
Ri-Bhoi District										0		
East Garo Hills District										0		
West Garo Hills District										0		
South West Garo Hills District										0		
North Garo Hills District										0		
South Garo Hills District										0		
Total	0	0	0	0	0	0	2	0	0	2		
(b) Intestinal Protozoan												
East Jaintia Hills District										0		
West Jaintia Hills District										0		
East Khasi Hills District					1600					1600		
West Khasi Hills District					1341					1341		
South West Khasi Hills District										0		
Ri-Bhoi District					950					950		
East Garo Hills District										0		
West Garo Hills District										0		
South West Garo Hills District										0		
North Garo Hills District										0		
South Garo Hills District										0		
Total	0	0	0	0	3891	0	0	0	0	3891		

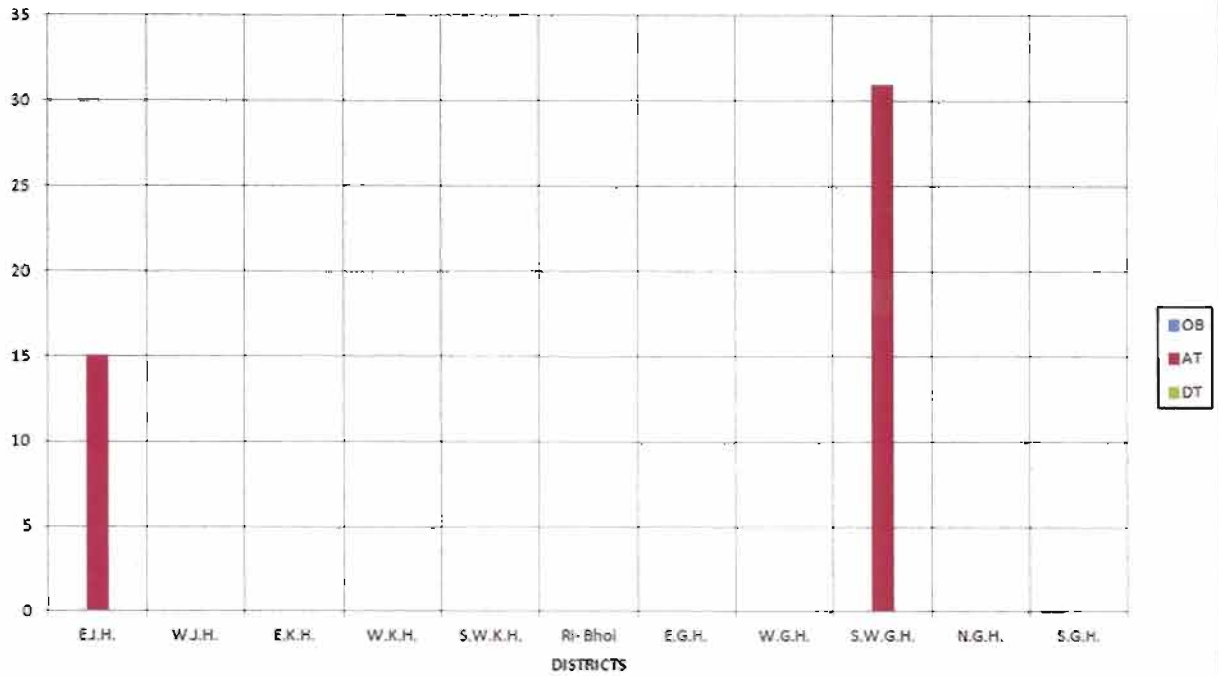
MONTHLY ANIMAL DISEASE REPORT IN MEGHALAYA

JANUARY 2015

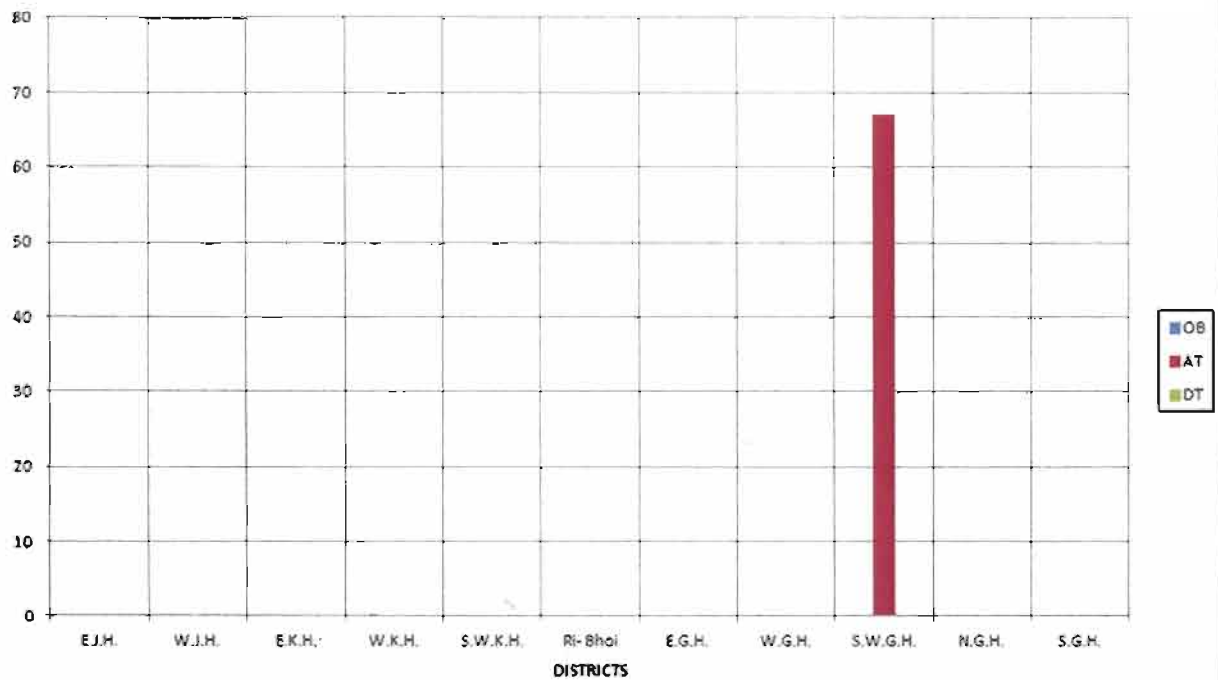
District/Disease	B	Cp	Ov	S	Av	E	C	F	OT	Total	No. of death	Remarks
3. Ectoparasites												
East Jaintia Hills District										0		
West Jaintia Hills District	30	37		52						119		
East Khasi Hills District	5			2			2			9		
West Khasi Hills District	2		5	40	10		4			61		
South West Khasi Hills District	10	22		18						50		
Ri-Bhoi District	1	7		13			4	1		26		
East Garo Hills District										0		
West Garo Hills District	12	27		8			30			77		
South West Garo Hills District										0		
North Garo Hills District										0		
South Garo Hills District										0		
Total	60	93	5	133	10	0	40	1	0	342		
D. NON-SPECIFIC DISEASES												
1. Respiratory Tract Infection												
East Jaintia Hills District	231	55		246	672		43		2	1249		
West Jaintia Hills District	293	95		486	2268		26		18	3186		
East Khasi Hills District	29	73		656	3877		47	4		4686		
West Khasi Hills District	208	48	53	391	2100	8	9	2	3	2822		
South West Khasi Hills District	109	126		137	479					851		
Ri-Bhoi District	76	30		227	4306		13	3	2	4657		
East Garo Hills District										0		
West Garo Hills District	647	14	319	1126	1253		274			3633		
South West Garo Hills District	258	162	218	238	293		6			1175		
North Garo Hills District	20	23		31			18			92		
South Garo Hills District	146	89		136	209		47	8		635		
Total	2017	715	590	3674	15457	8	483	17	25	22986		
2. Gastro Intestinal												
East Jaintia Hills District	327	46		211	1592		12			2188		
West Jaintia Hills District	492	155		1119	12622		136	2	26	14552		
East Khasi Hills District	112	71		669	4175		113	61		5201		
West Khasi Hills District	314	107	100	424	3683	4	25	2	1	4660		
South West Khasi Hills District	94	235		120	514					963		
Ri-Bhoi District	92	29		247	7775		15	2		8160		
East Garo Hills District										0		
West Garo Hills District	863	267		243	1713		143		8	3237		
South West Garo Hills District	20		5	15						40		
North Garo Hills District	21	14		29	75		30			169		
South Garo Hills District	175	93		158	537		98	7		668		
Total	2510	1017	105	3235	32286	4	572	74	35	39838		
3. Gynaecological												
East Jaintia Hills District	7	2		4						13		
West Jaintia Hills District	14	5		21						40		
East Khasi Hills District	8	7		42						57		
West Khasi Hills District	6			3						9		
South West Khasi Hills District										0		
Ri-Bhoi District	11			1						12		
East Garo Hills District										0		
West Garo Hills District	106	76		61			58		57	358		
South West Garo Hills District	10		2	5						17		
North Garo Hills District										0		
South Garo Hills District	16	9		13			3			41		
Total	178	99	2	150	0	0	61	0	57	547		
4. Skin Diseases												
East Jaintia Hills District	35	60	2	62			19			178		
West Jaintia Hills District	88	81		439			32		19	659		
East Khasi Hills District	42	72		595	65		81	12		867		
West Khasi Hills District	172	334	41	236	32	2	20	2	2	841		
South West Khasi Hills District	50	103		192						345		
Ri-Bhoi District	40	15		177	1		39	2		274		
East Garo Hills District										0		
West Garo Hills District	303	170	3	195	315		317		53	1356		
South West Garo Hills District	222	49	109	178				33		591		
North Garo Hills District	49	38		55	48		52			242		
South Garo Hills District	194	69		118			141	10		532		
Total	1195	991	155	2247	461	2	701	59	74	5885		

Note : B-Bovine; Ov-Ovine; S-Swine;
C-Canine; F-Feline; E-Equine;
A-Avian; OT-Others.

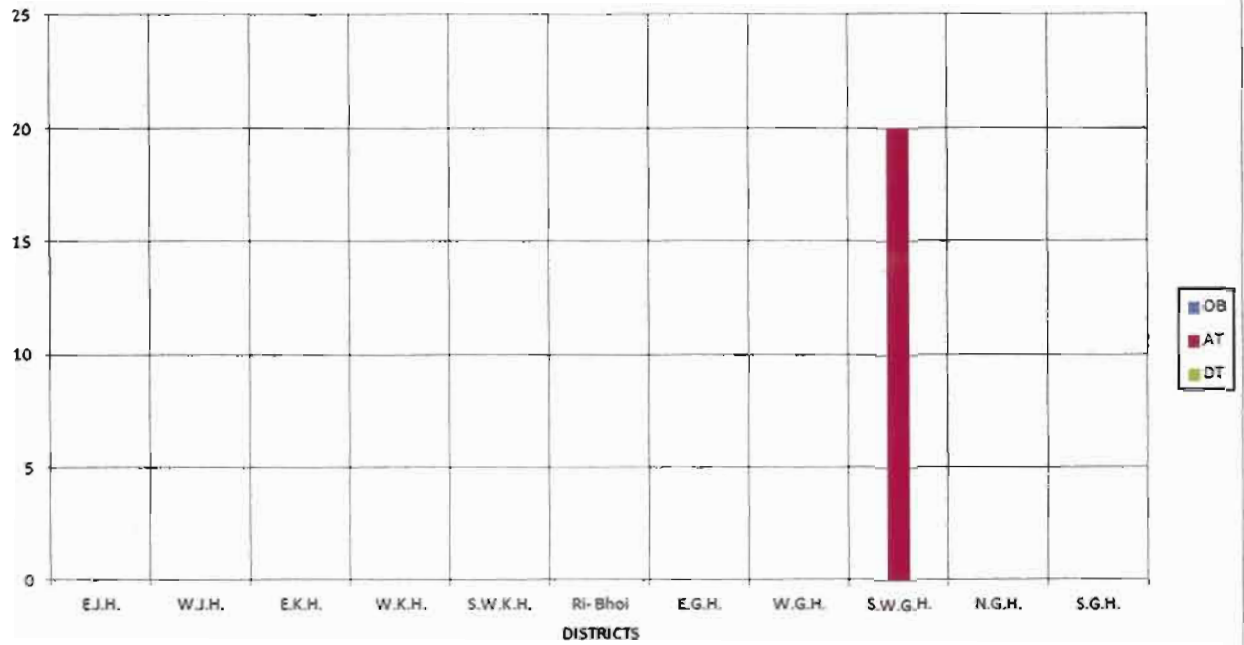
Incidence of Foot & Mouth Diseases (FMD) - Bovine in Meghalaya during the Month of January 2015



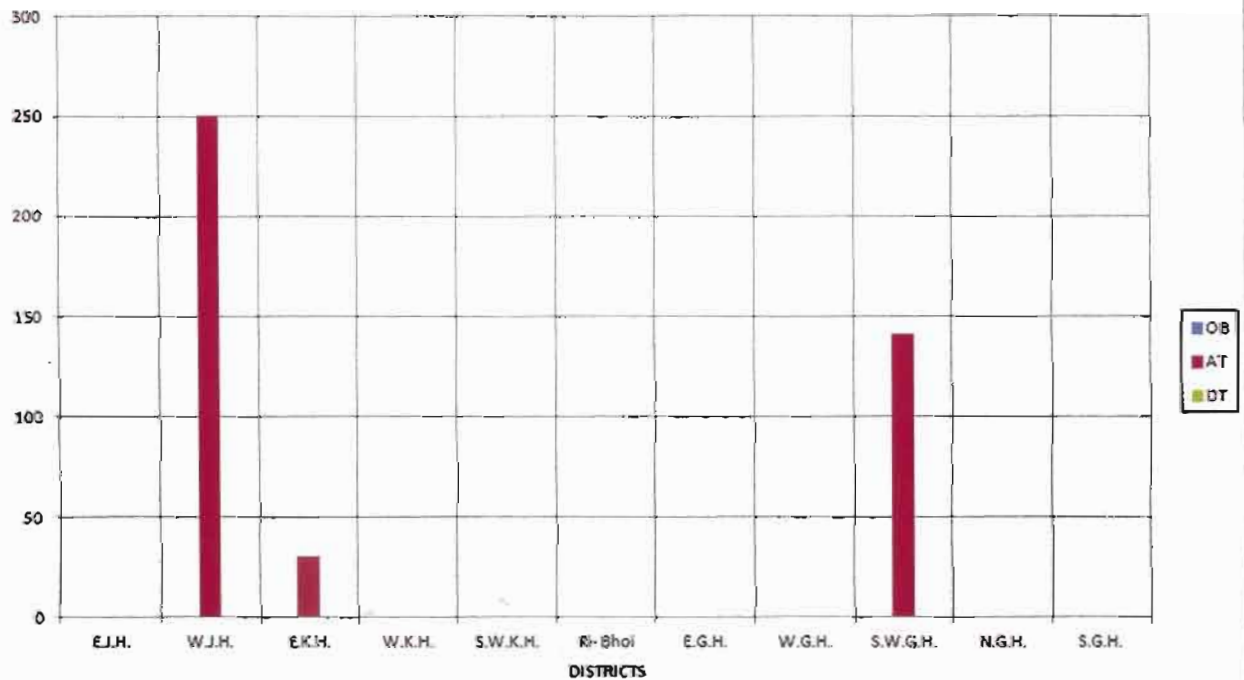
Incidence of Swine Fever in Meghalaya during the Month of January 2015



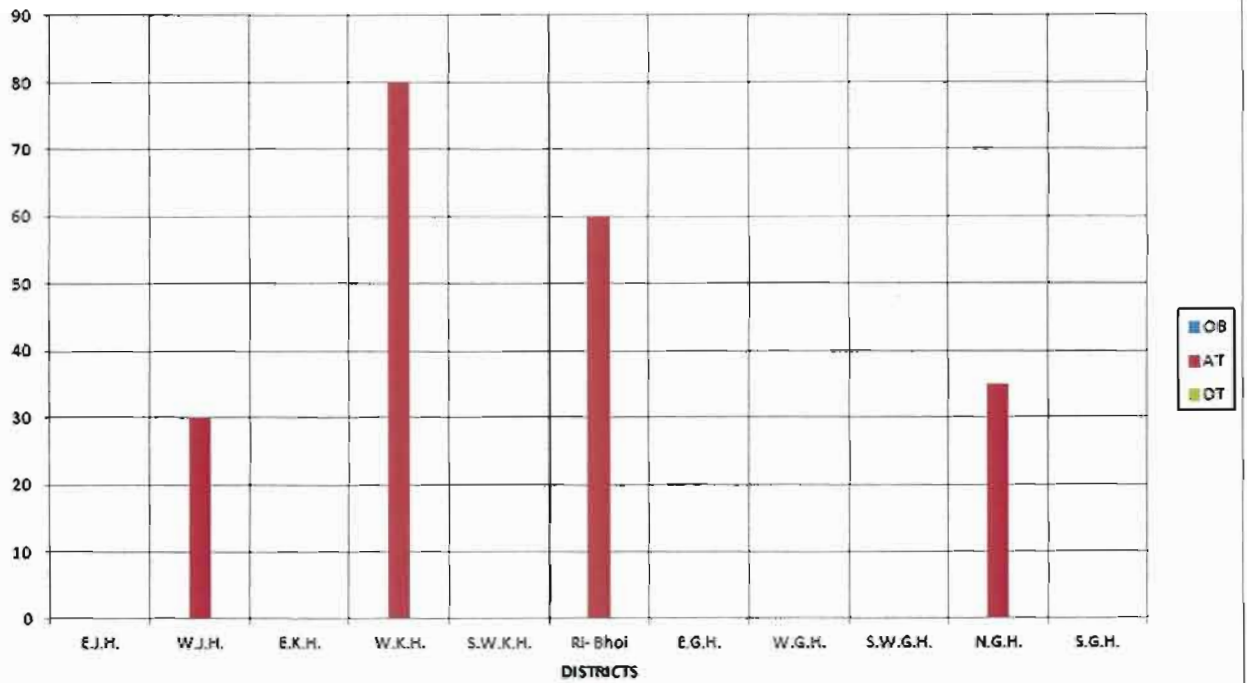
Incidence of Canine Distemper in Meghalaya during the Month of January 2015



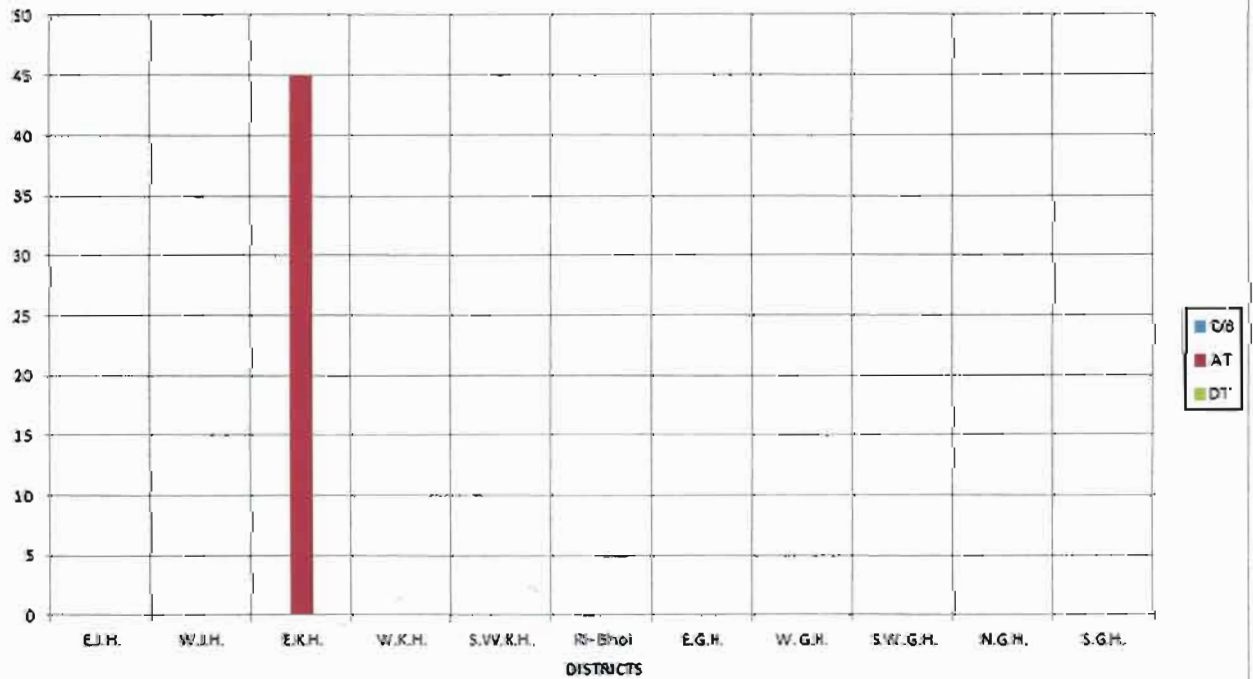
Incidence of Ranikhet Disease (RD) in Meghalaya during the Month of January 2015



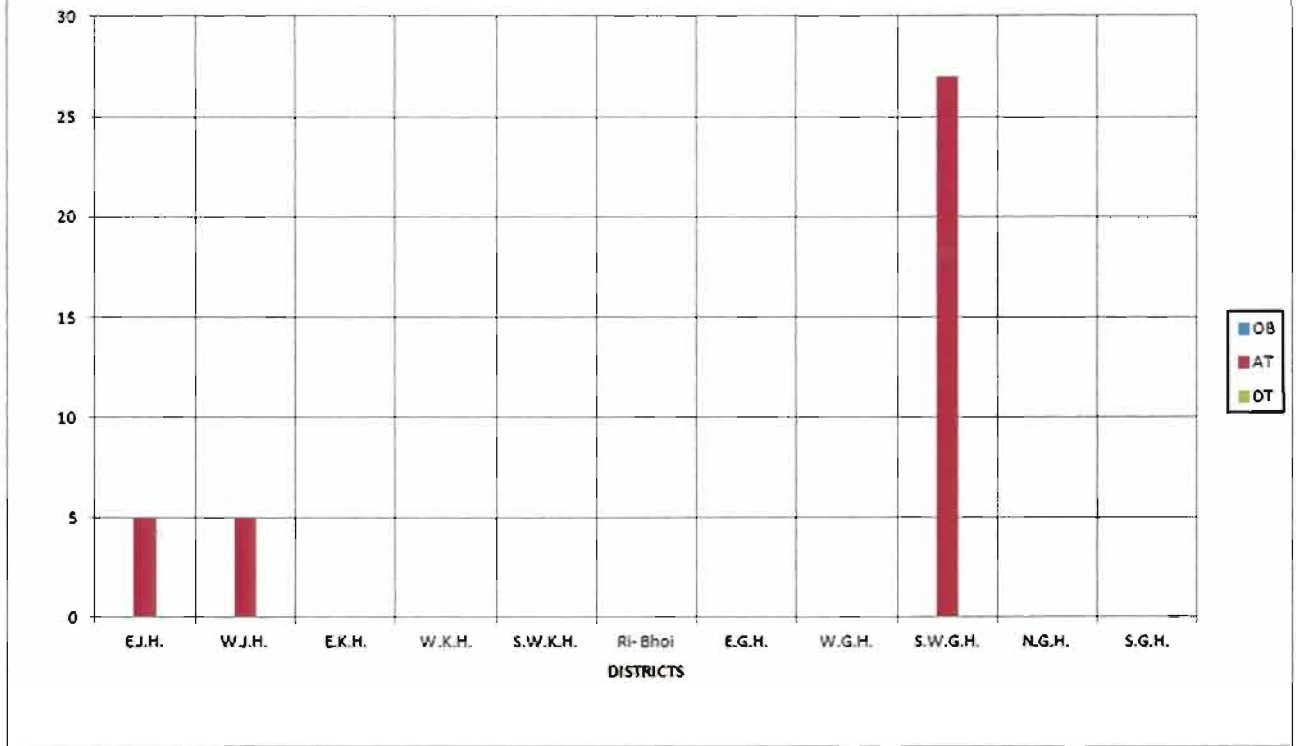
Incidence of Fowl Pox in Meghalaya during the Month of January 2015



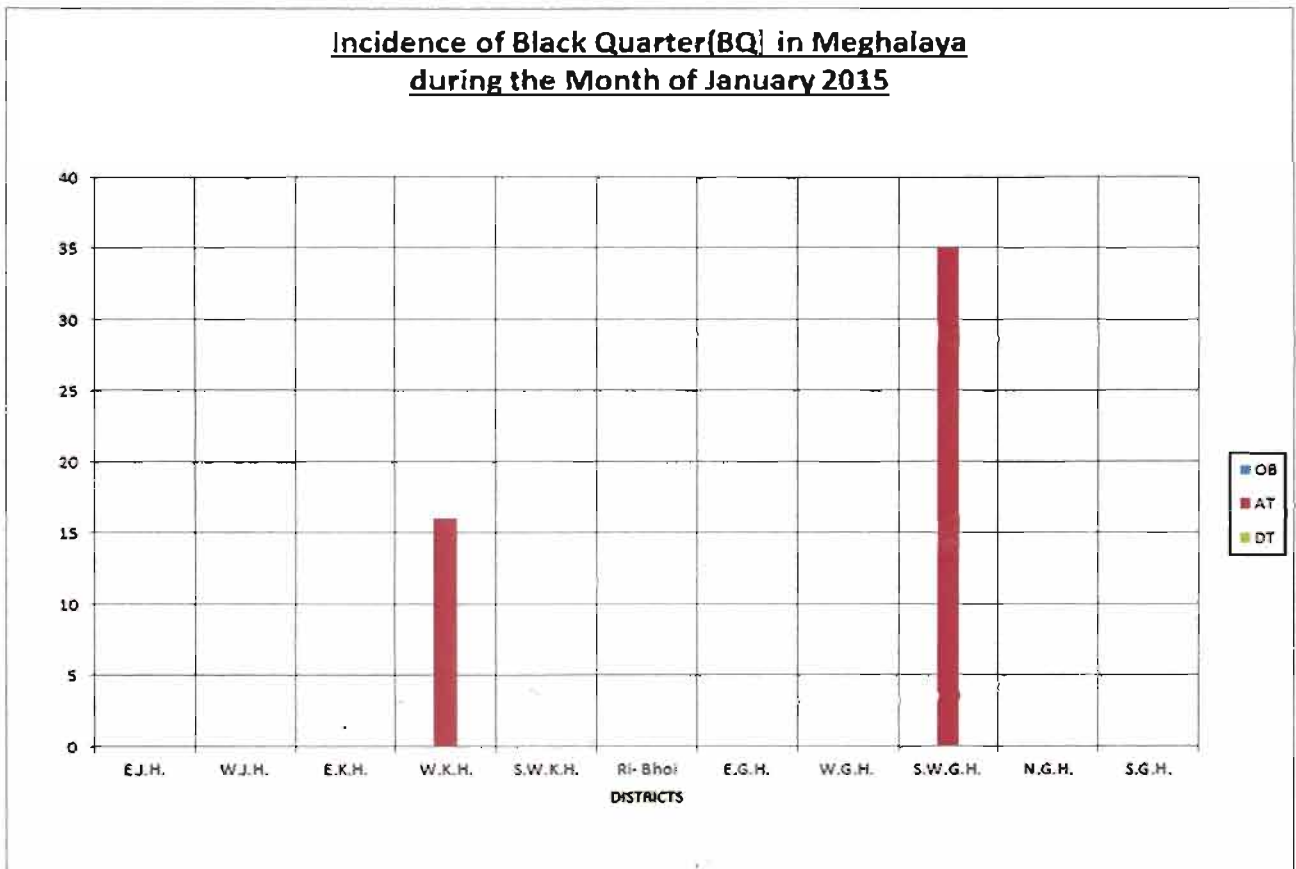
Incidence of Infectious Bursal Disease (IBD) in Meghalaya during the Month of January 2015

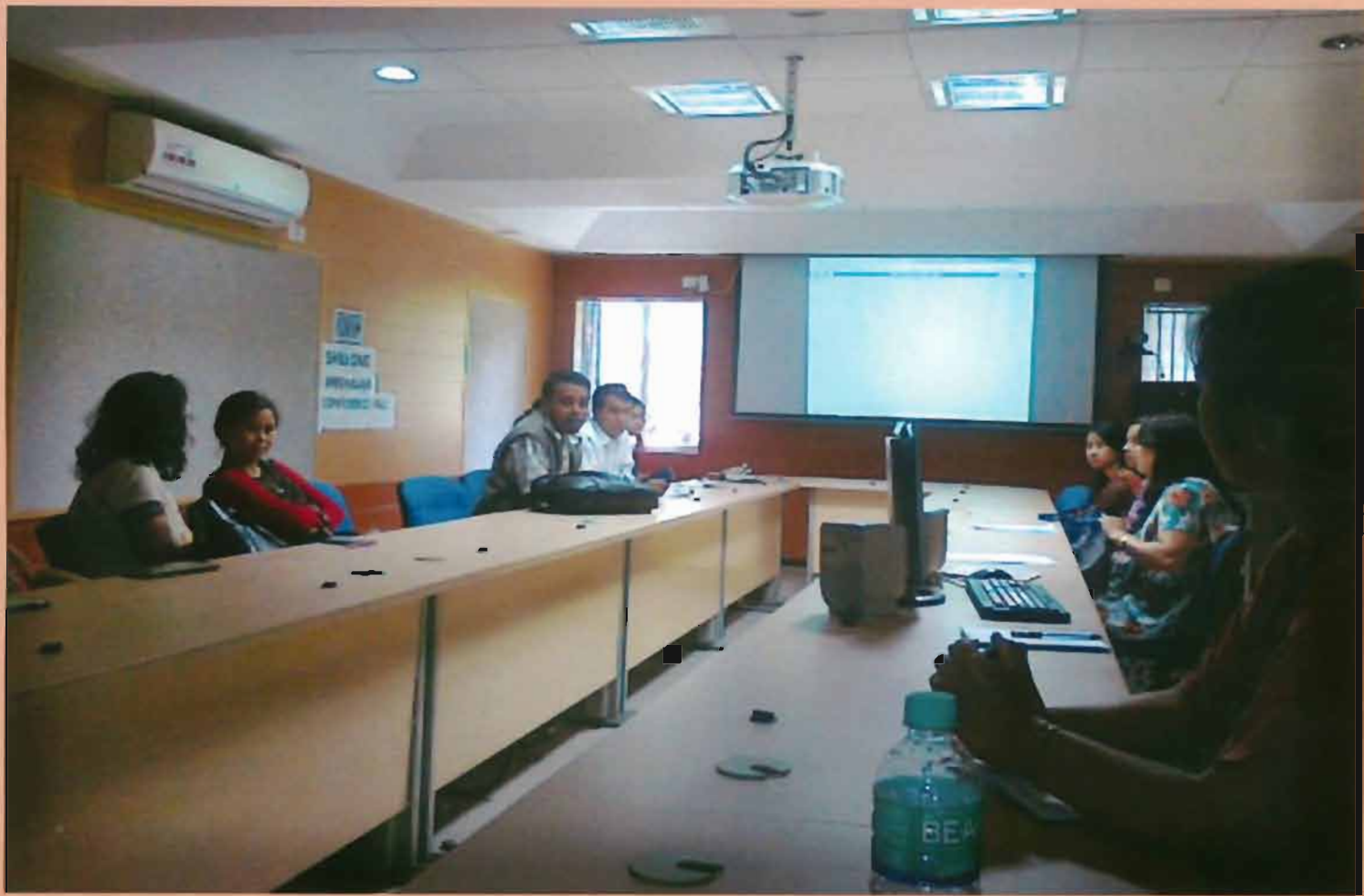


Incidence of Haemorrhagic Septicaemia(HS) in Meghalaya during the Month of January 2015



Incidence of Black Quarter(BQ) in Meghalaya during the Month of January 2015





**VETERINARY OFFICERS FROM EAST KHASI HILLS
ATTENDING NADRS WEB LEARNING SESSION AT NIC SHILLONG**

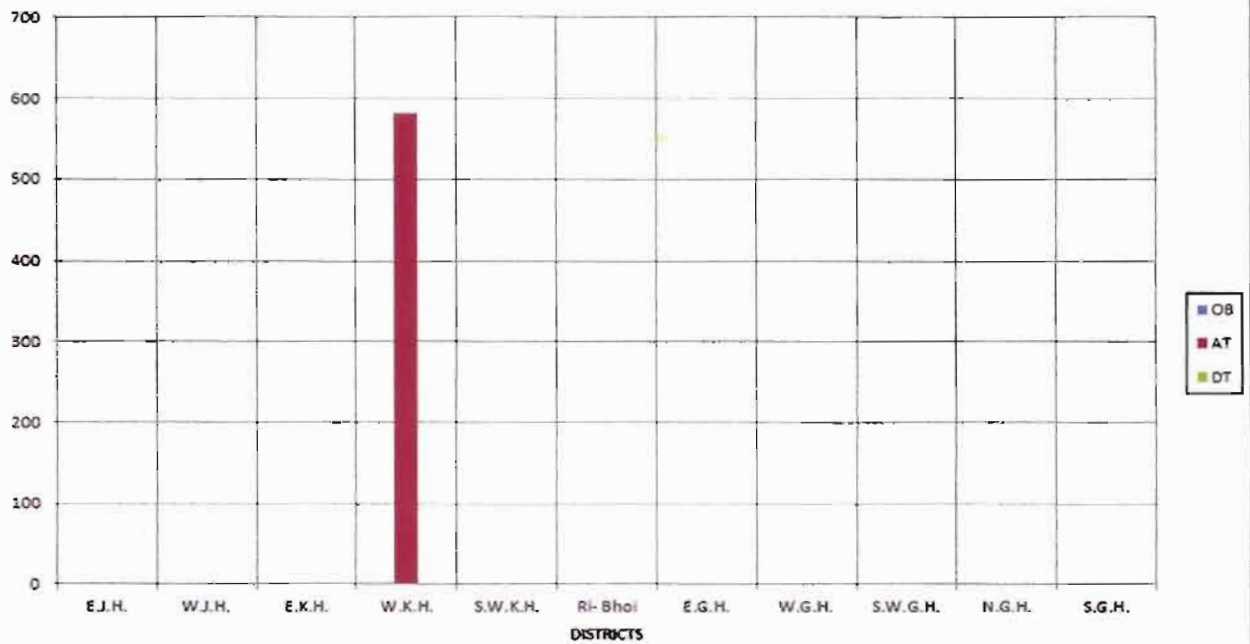




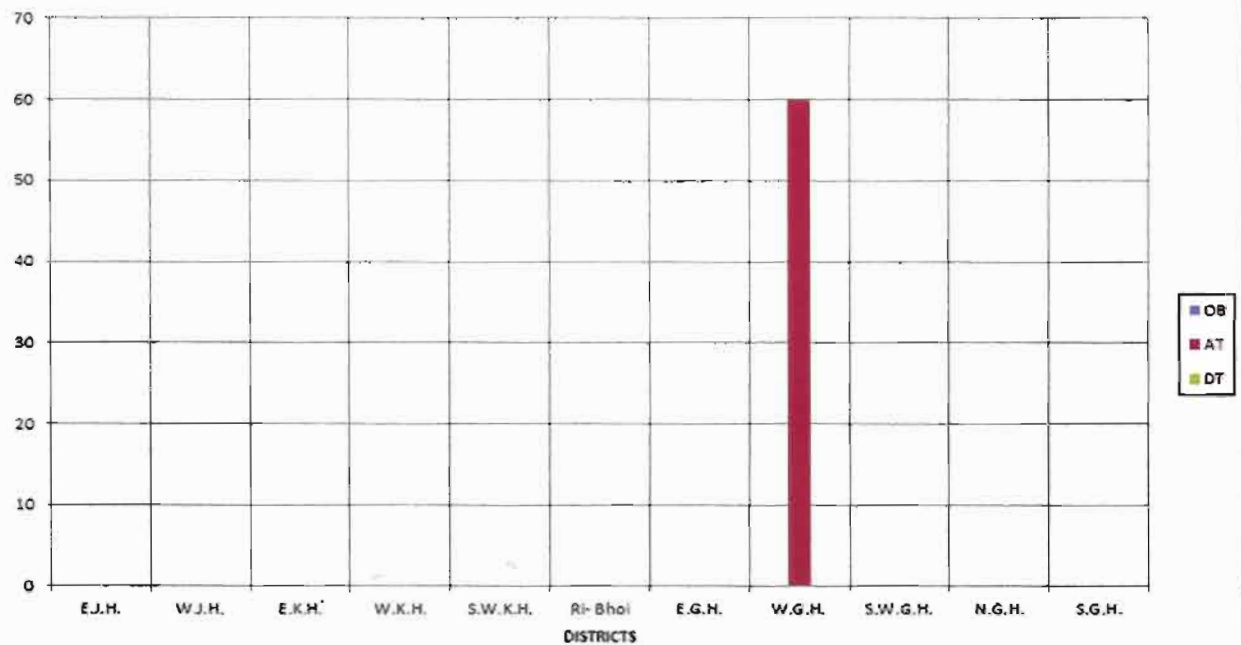
**STATE PROJECT MONITORING UNIT (SPMU) under NADRS
at Asstt. Director (Disease Investigation) Office, SHILLONG**

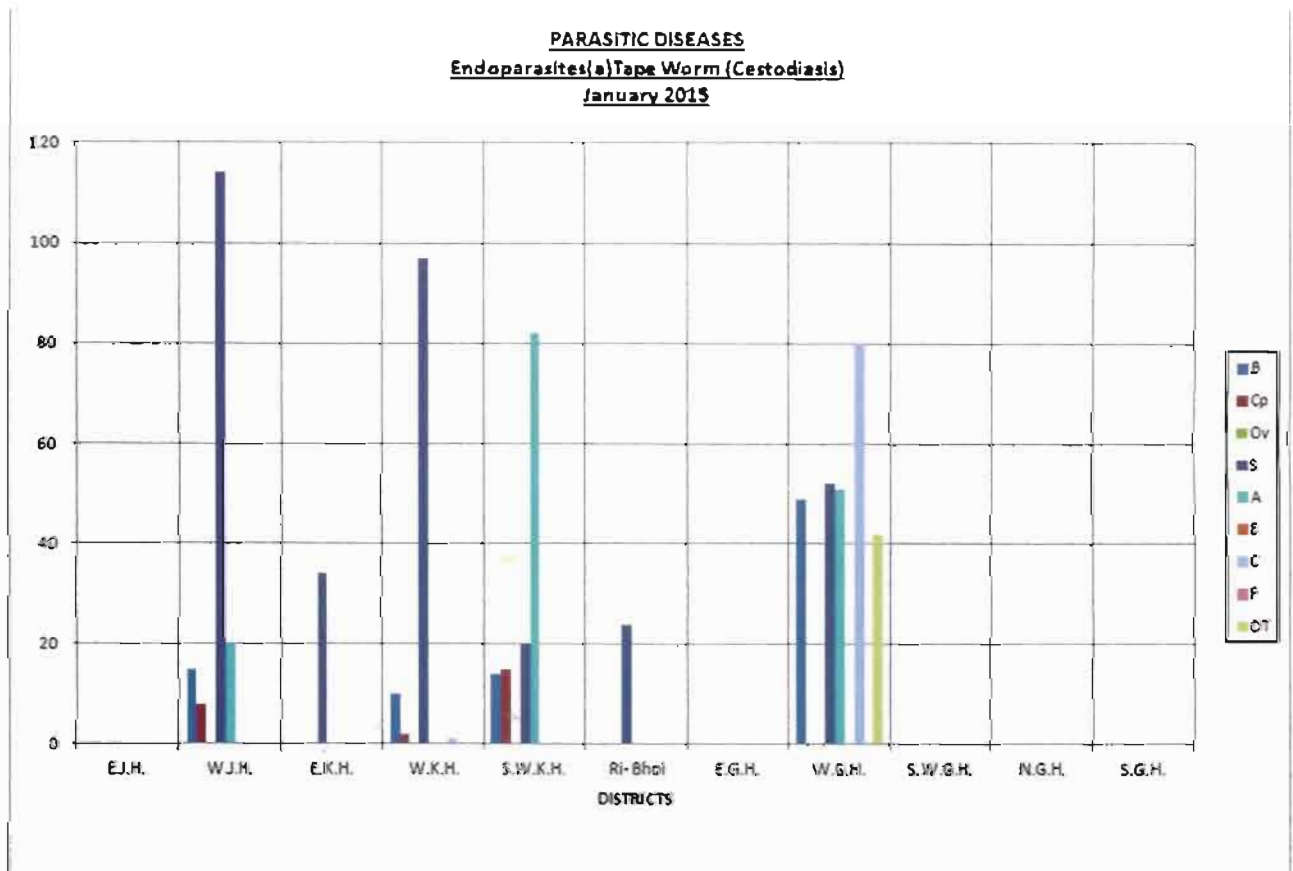
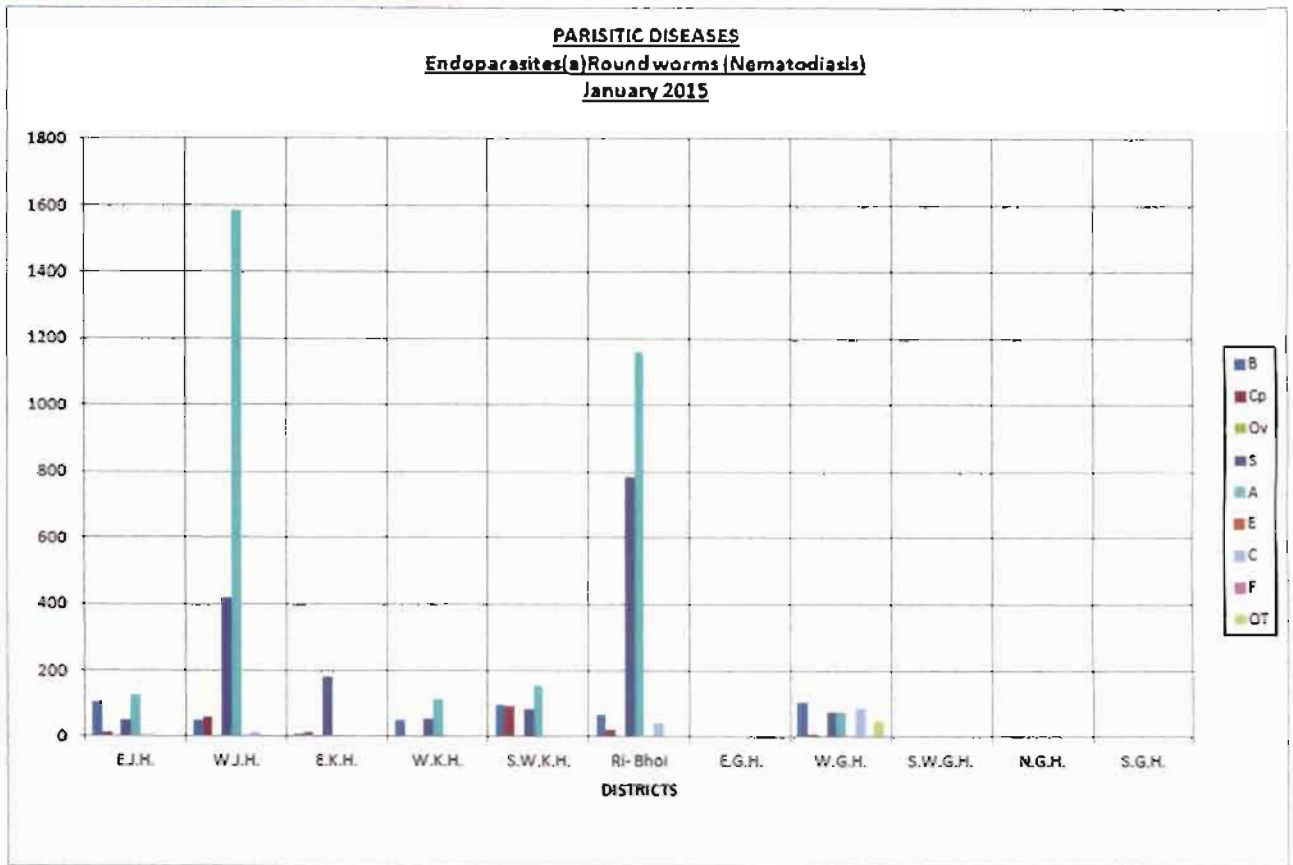


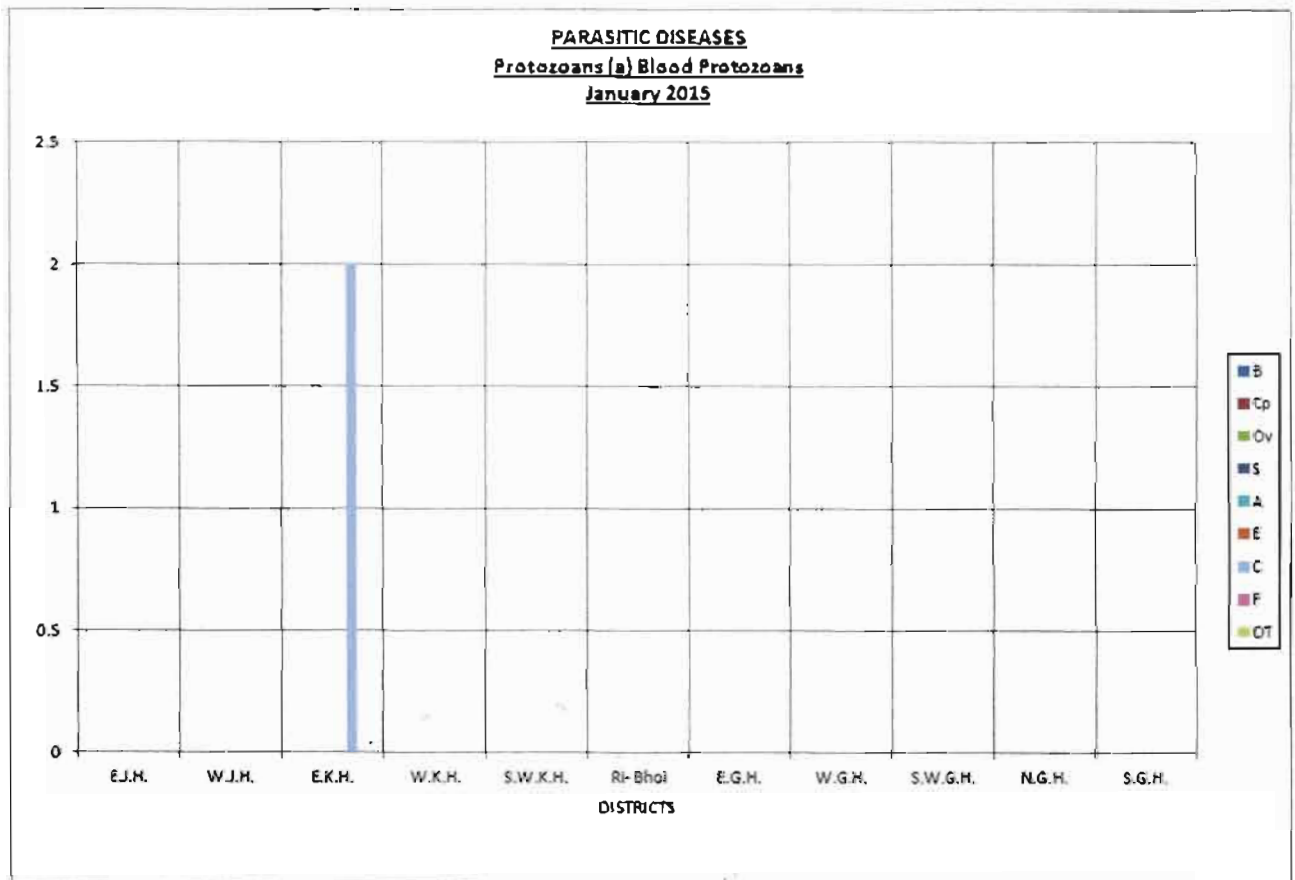
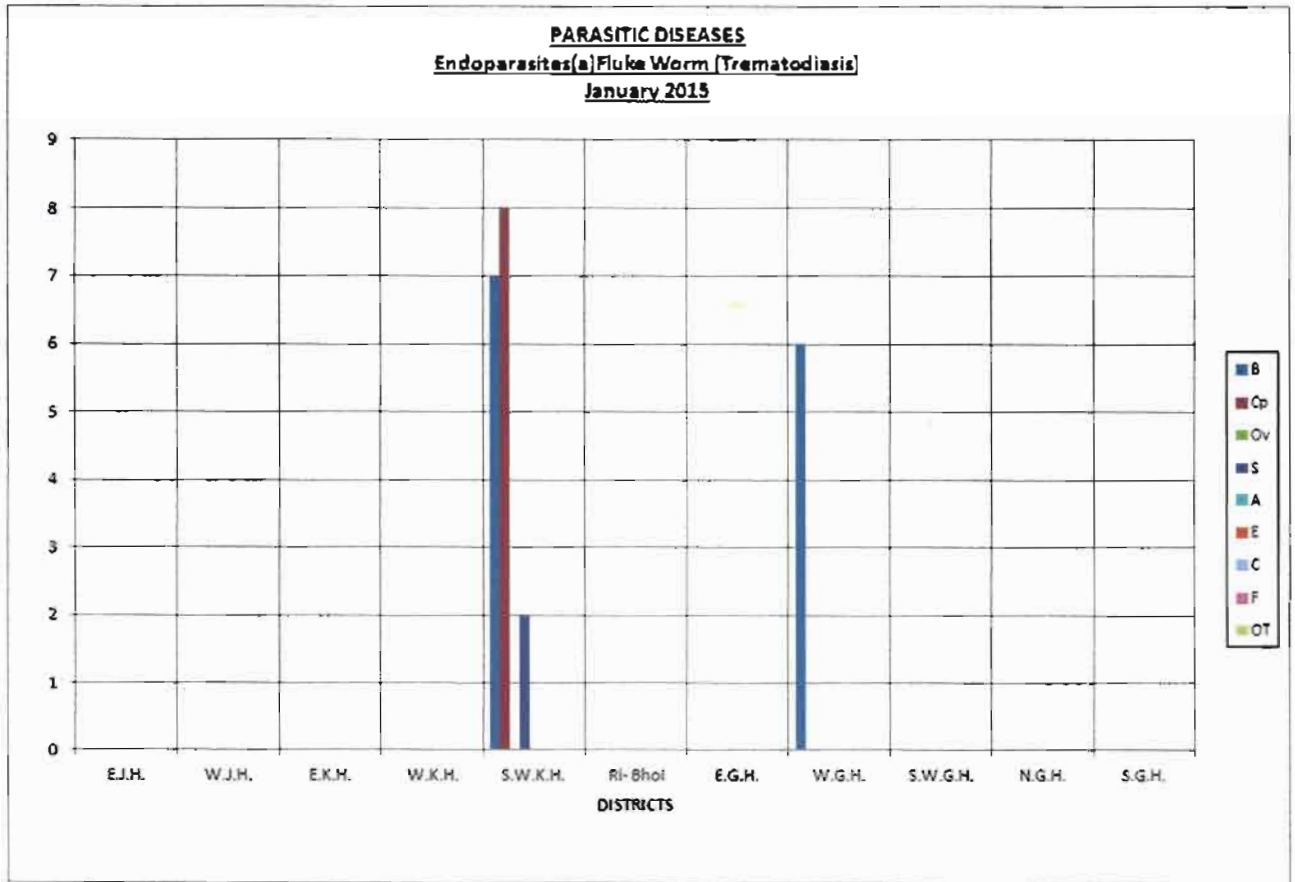
Incidence of Bacillary White Diarrhoea (BWD) in Meghalaya during the Month of January 2015

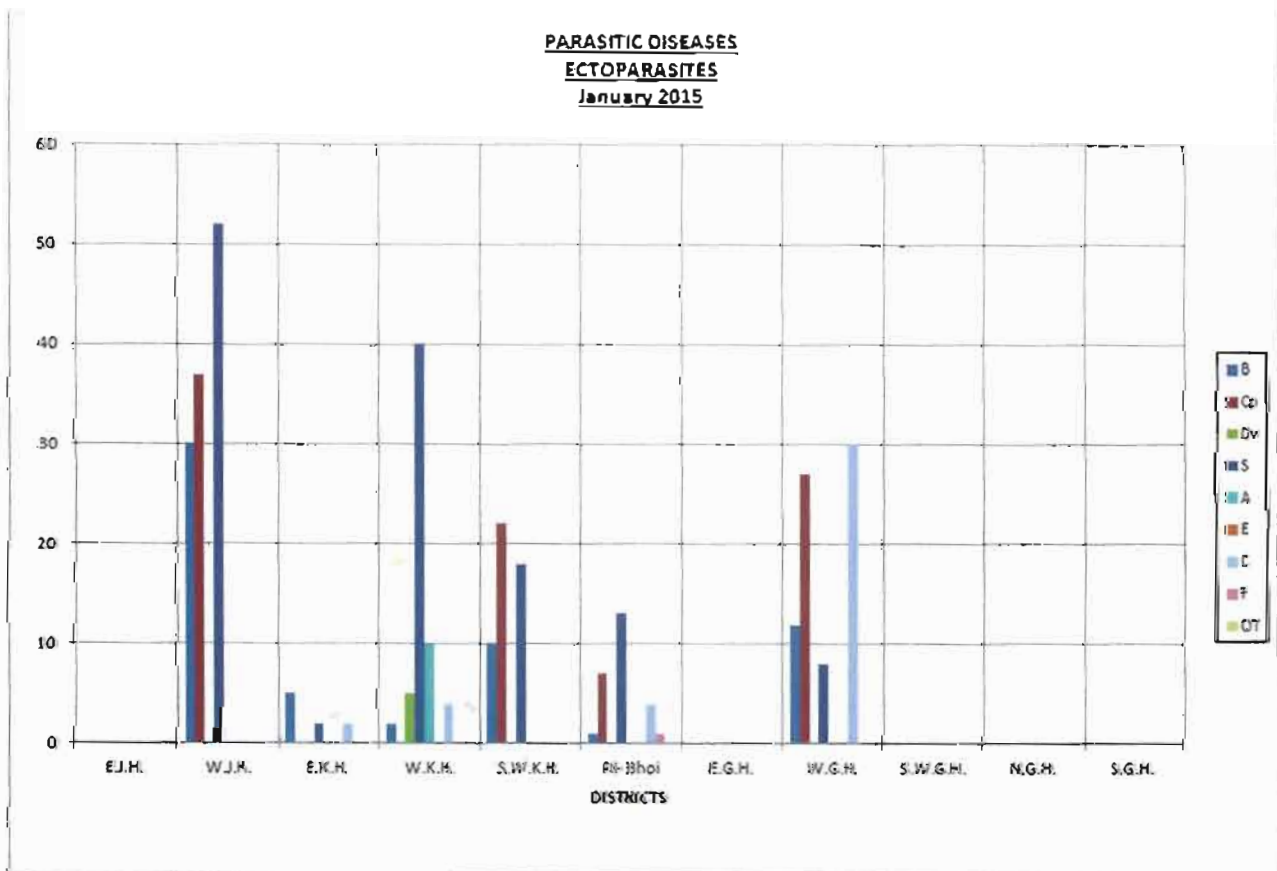
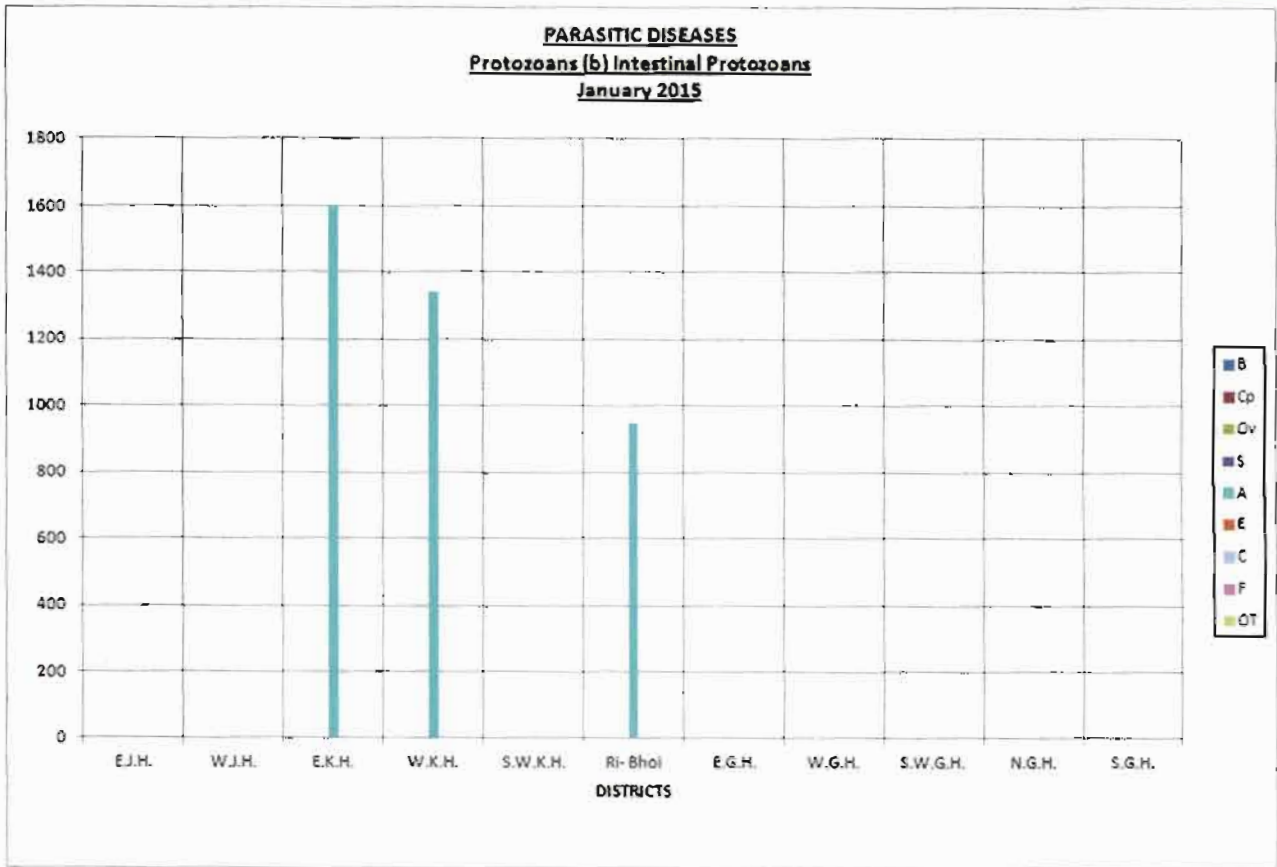


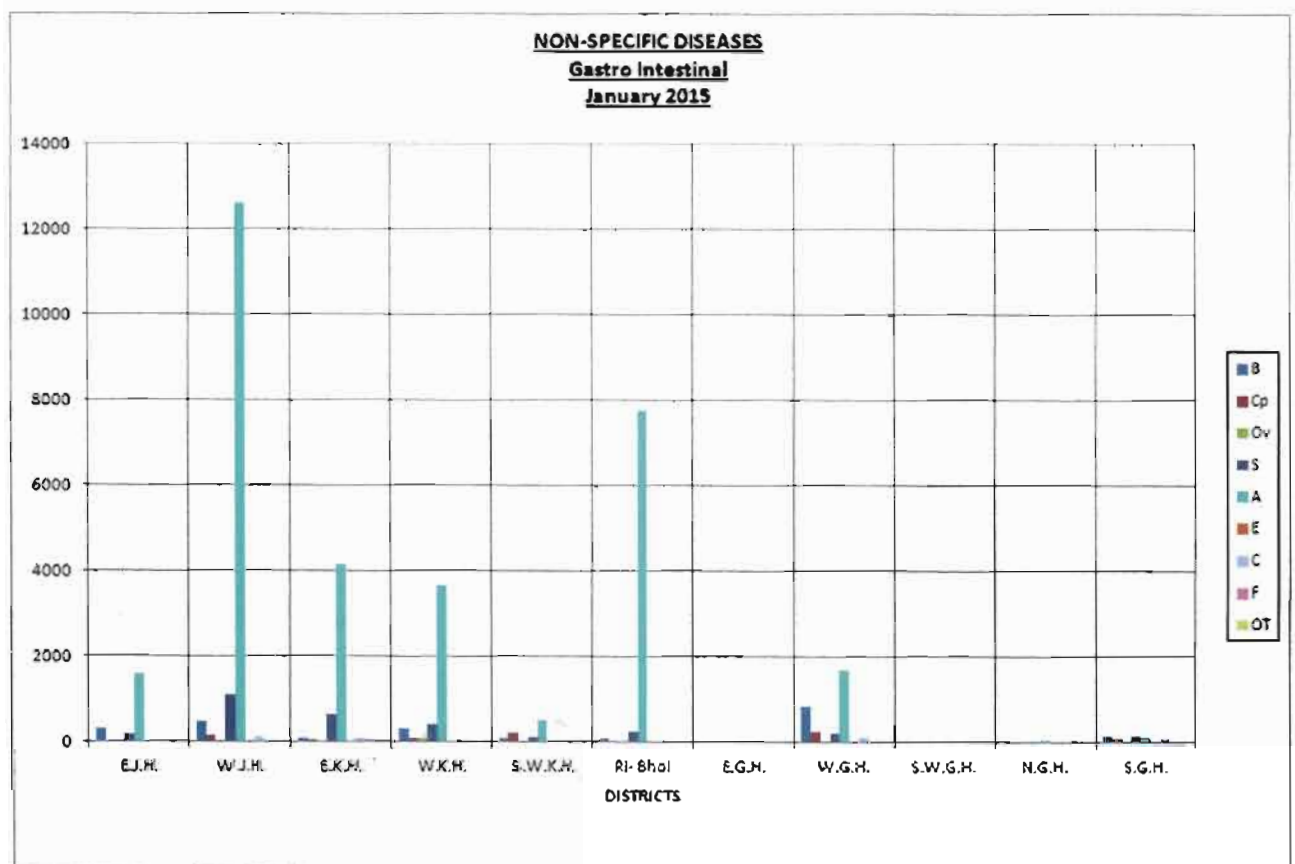
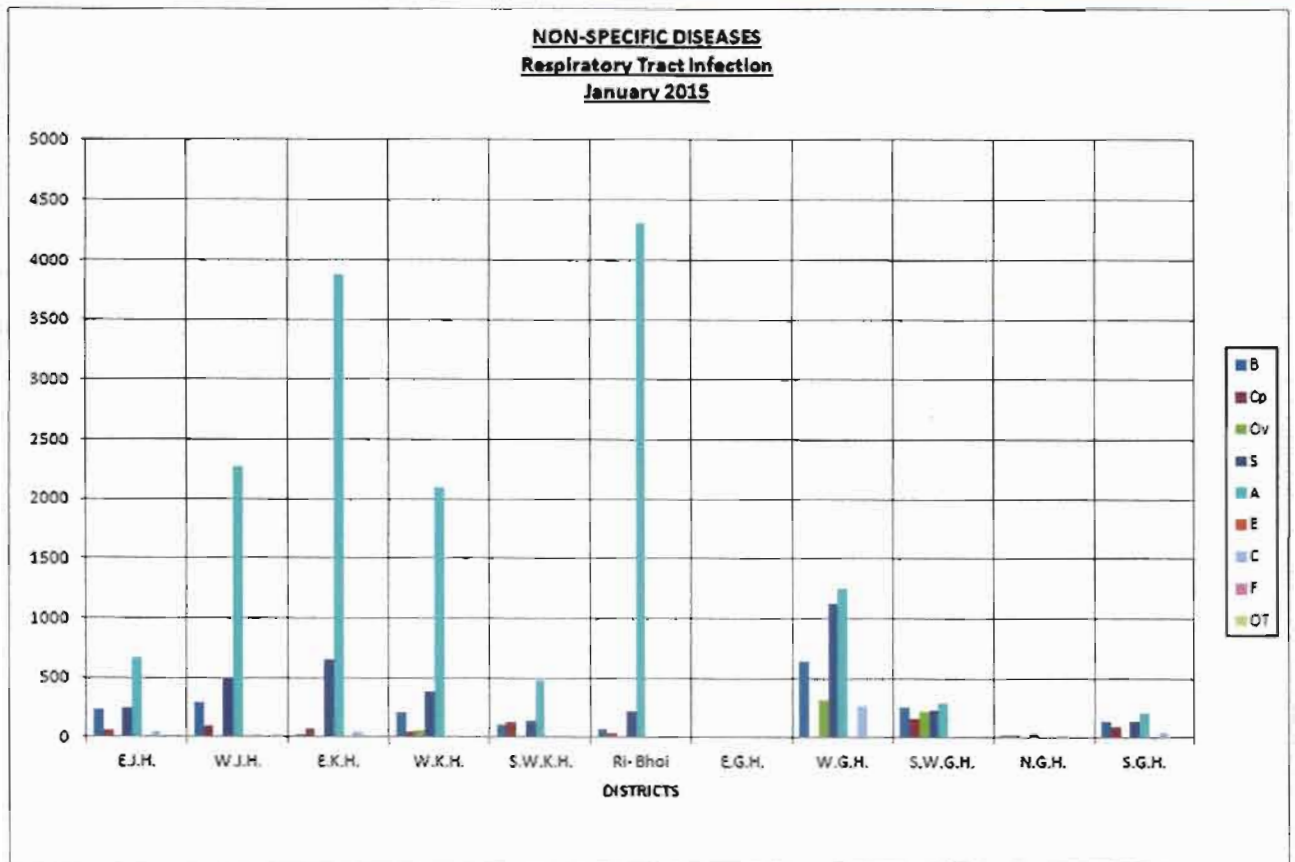
Incidence of Chronic Respiratory Disease (CRD) in Meghalaya during the Month of January 2015

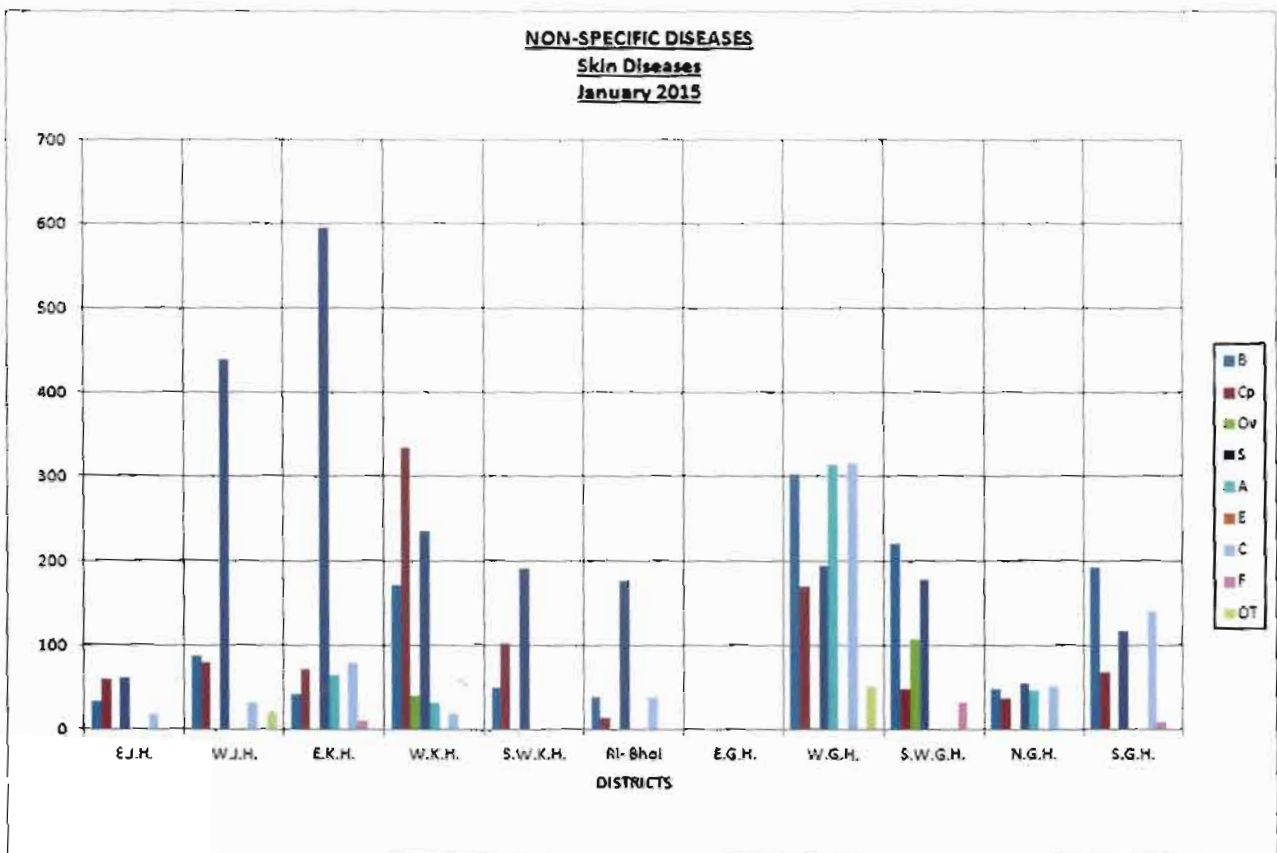
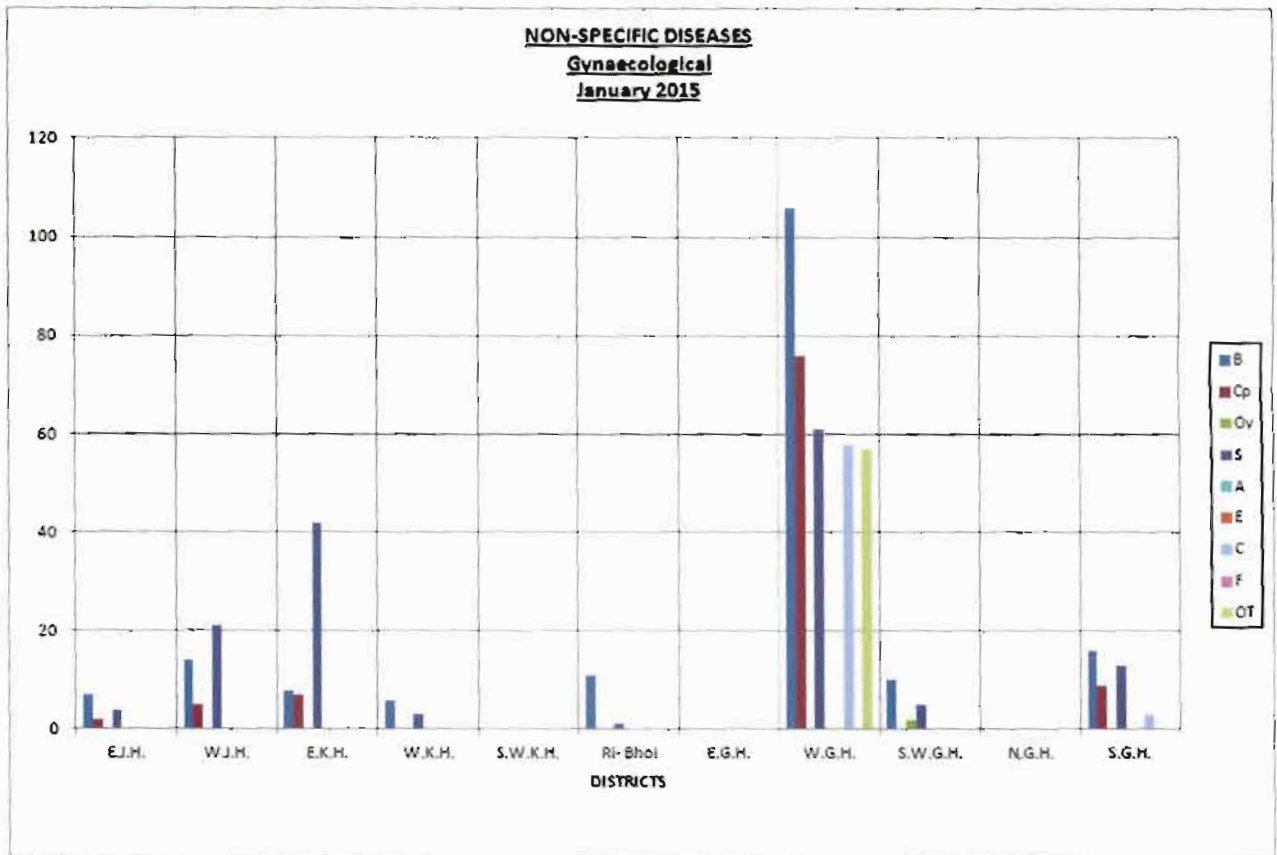










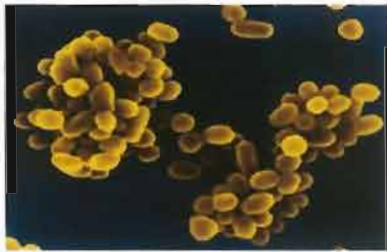


BRUCELLOSIS

Brucellosis is a contagious bacterial disease caused by various species of Brucella bacteria that can infect wildlife, humans and domestic animals (cattle, sheep, goats, pigs, horses etc) The disease has been eradicated from the livestock populations of most European countries, Japan, Canada and Australia.

ROUTES OF TRANSMISSION:

- Animal to animal transmission is by ingestion, conjunctival inoculation through tail splashing, skin contamination following abortions in the herd and possibly by inhalation in close herd.
- The use of pooled colostrums for feeding newborn calves and udder inoculation from infected milking cups or milkers hand.
- Sexual transmission and insemination with infected semen
- Transmission to human from animals through consumption of contaminated food/ materials and contact through mucous membranes; Invasion /penetration through open wounds and conjunctiva.



CLINICAL SIGNS:

- Abortion between the fifth and ninth month of pregnancy.
- Retained placenta
- Uterine and mammary infection
- Poor conception rate, low fertility
- Epididymitis and orchitis in male

Human

- Undulant fever
- Chill, profuse sweating
- Arthritis, orchitis



SAMPLES REQUIRED FOR

DIAGNOSIS:

- Blood for separation of serum, milk, semen, vaginal swap, foetal stomach contents and placenta.
- Fresh blood without anticoagulant for bacterial isolation.
- Blood with anticoagulant for plasma for PCR.

DIAGNOSIS:

- Rose Bengal Plate test (RBPT) can be used as preliminary test
- Abortus milk ring test for herd screening
- Enzyme linked Immunosorbent assay (ELISA)
- Polymerase Chain Reaction (PCR)
- The only way to positively diagnose an infected animal is by culturing samples taken from reproductive tissues



PREVENTION AND CONTROL:

- Vaccination of female calves 4 months to 1 year old (or young heifer). Male calves, Pregnant and lactating animals should not be vaccinated
- Test and slaughter of infected animals
- Treatment is not advisable for infected animals
- Careful selection of replacement animals from Brucella-free herds
- Pasteurization of milk
- Hygienic practices in farms



BIO-SECURITY MEASURES IN ANIMAL AND POULTRY FARMS FOR PREVENTION OF DISEASES AND FOR OPTIMUM ANIMAL PRODUCTION

1. Restriction of visitors, vehicles in the farm area and avoid unnecessary visits to other farms.
2. Use foot bath with effective disinfectant at the entry and exit of the farm.
3. Personnel hygiene should be followed strictly. Wash hands thoroughly and wear clean clothes or coveralls while working in the farm. Disinfect footwear/gumboots before and after working.
4. Effective cleaning and disinfection of farm premises, equipment etc. should be carried out time to time with effective disinfectants such as phenol, bleaching powder, 2% sodium hydroxide, 2% sodium hypochlorite, 4% formalin, potassium permanganate, quaternary ammonium compound, accordingly.
5. The area around farm/sheds should be kept clean. All the wastes should be regularly buried or burned. Prevent entry of pets and wild animals (rats, birds, insects).
6. Feed should be stored properly and feed safety objectives should be followed with careful monitoring.
7. Disposal of dead animals/birds and manure and sanitization of drinking water should be paid attention to.
8. Isolation and quarantine of new animals/birds is necessary. Isolate sick animals and birds.
9. Ensure routine deworming, vaccination and essential medicines to the animals/poultry. Proper ventilation with adequate air flow in all sheds is recommended.
10. Follow All-in-All-out system of farming if possible. Purchase animals/birds from disease free farms only. Ensure separate sheds for different age groups.
11. Regular control measures against vectors like tick, fly, mosquitoes, mice and rodents should be undertaken.
12. Report any unusual sickness or mortality of animals/birds immediately to the Director, A.H & Veterinary Deptt.



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