



WELCOME

Brief on Livestock Statistics

Bishwazit Bhattacharjee, Director Extension
&

Dr. Helena Khatun, Deputy Director

**DEPARTMENT OF LIVESTOCK
SERVICES**

Bangladesh

Mission Statement of DLS

- **To improve livelihood & food security through continuous growth and production of poultry and livestock by operational activities of livestock extension & support services.**

Mandate of DLS

- **Animal health & husbandry services as well as animal welfare.**
- **Breed up-gradation, bio-diversity and local genome conservation.**
- **Education, training, research & technology transfer.**
- **Production of safe food of animal origin for human consumption.**
- **Encourage entrepreneur's development.**
- **Creation of market for animal origin products.**
- **Preparation and implementation of laws, regulation & policies**
- **Poverty reduction, employment generation & women empowerment.**
- **Facilitation of products processing, value addition, national & international trades.**

Livestock Statistics

- ❖ In Bangladesh, all sort of statistics conducted by BBS (Bangladesh Bureau of Statistics).
- ❖ Only BBS has the mandate to conduct a census in any regards.
- ❖ Livestock statistics in Bangladesh is mainly depends on Agricultural Census of BBS, which is conducted every 10 years.
- ❖ Administrative data and reports are the main source of year wise statistical analyses.
- ❖ Sometimes, Department of Livestock Services (DLS) conduct survey to find particular data.

DLS Data Collection Procedure

Coverage : Complete enumeration/sample survey of all sub districts (Upazila) in Bangladesh

Methods: Administrative records from Upazila.

Questionnaire/Instrument : Various Forms, Interviews observation etc.

Enumerator: Extension workers (VFA, FAAI) of Upazila.

Main data : Data on milk, meat and egg production, veterinary treatment, vaccination, Artificial Insemination etc.

Frequencies : Monthly.

Method : Information from farmer, Report, On field visit, Eye estimation etc.

Year wise Livestock Population of Bangladesh (00,000)

Livestock Species	2011-12	2012-13	2013-14	2014-15	2015-16
Cattle	231.95	233.41	234.88	236.36	237.85
Buffalo	14.43	14.50	14.57	14.64	14.71
Sheep	30.82	31.43	32.06	32.70	33.35
Goat	251.16	252.77	254.39	256.02	257.66
Total Ruminant	528.36	532.11	535.90	539.72	543.57
Chicken	2428.66	2490.11	2553.11	2617.70	2683.93
Duck	457.00	472.54	488.61	505.22	522.40
Total Poultry	2885.66	2962.64	3041.72	3122.93	3206.33
Total Livestock	3414.02	3494.75	3577.62	3662.65	3749.90

Contribution of Livestock to National Economy

Description	Contribution
GDP growth (2015-16) provisional	3.21%
Contribution to GDP (2015-16) provisional	1.66%
Share of Livestock to Agricultural GDP	14.21%
Employment Generation (Direct)	20%
Employment Generation (Indirect)	50%
GDP Volume (Million BDT) (bbs-2015-16)	329100

Year wise Livestock contribution in GDP

	2011-12	2012-13	2013-14	2014-15	2015-16 (Provisional)
Contribution to GDP	1.90	1.84	1.78	1.73	1.66
Growth rate of GDP	2.68	2.74	2.83	3.10	3.21

Animal Protein Production & Availability

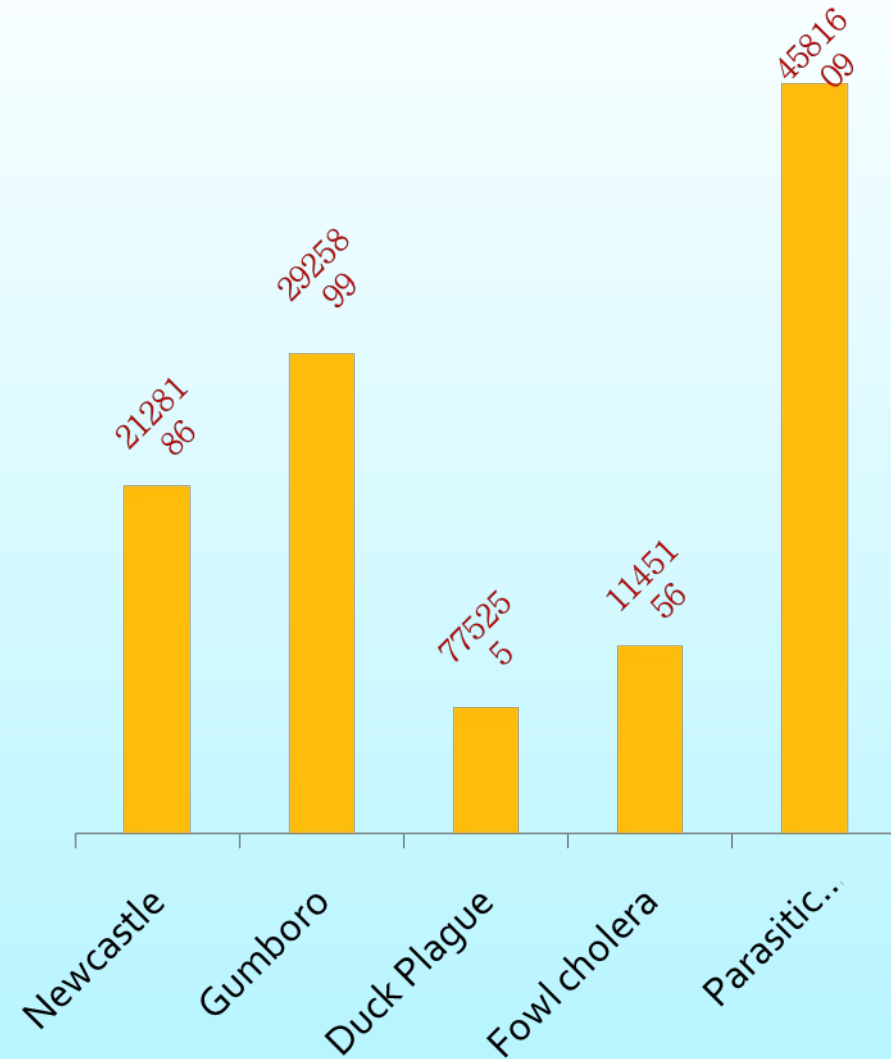
Products	Demand		Production		Availability		Deficiency	
	2001	2016	2001	2016	2001	2016	2001	2016
Milk (Million Tonnes) (250 ml/day/head)	11.86	14.69	1.78	7.27	37.51	125.59	10.08	7.41
Meat (Million Tonnes) (120 gm/day/head)	5.69	7.05	0.78	6.15	16.44	106.21	4.91	0.90
Egg (Million Numbers) (104 nos/year/head)	13520	16744.0	4424	11912.4	34.03	75.06	9096	4831.6



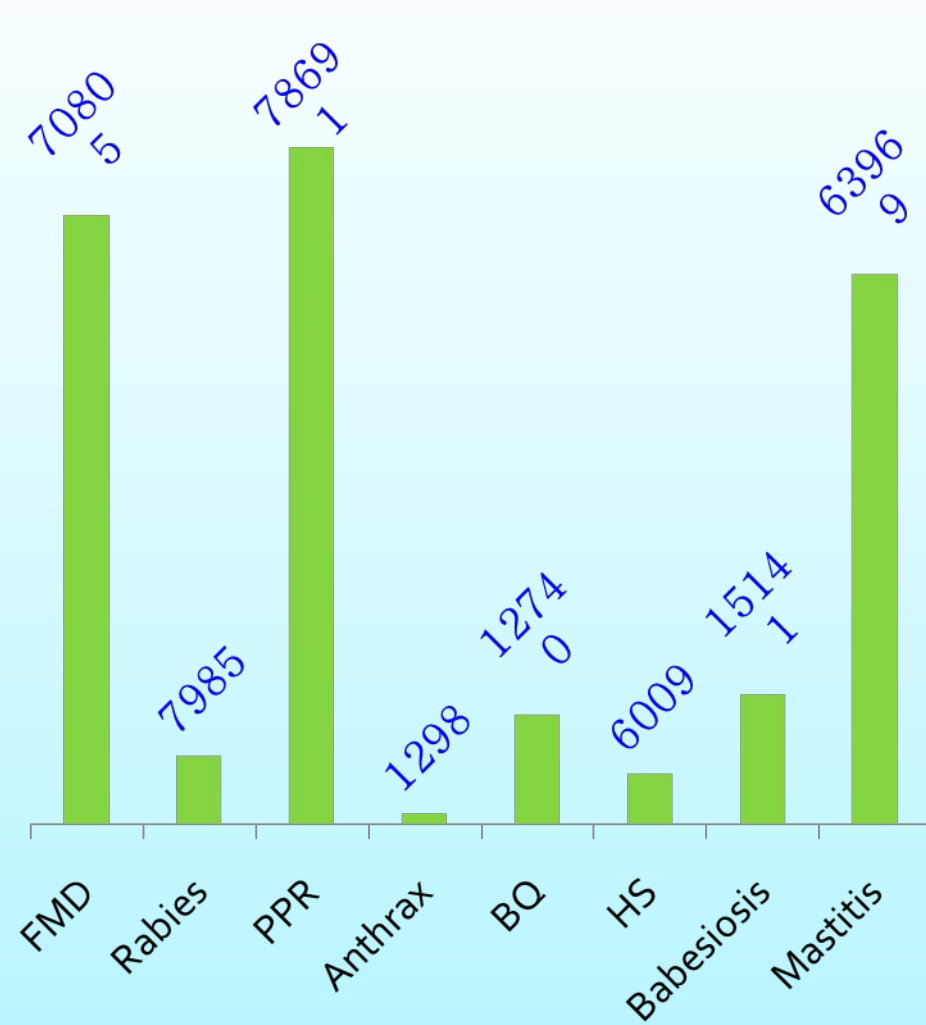
Year wise Production of Milk, Meat and Eggs

Products	Unit	Fiscal Year				
		2011-12	2012-13	2013-14	2014-15	2015-16
Milk	Million Metric Ton	3.46	5.07	6.09	6.97	7.27
Meat	Million Metric Ton	2.33	3.62	4.52	5.86	6.15
Egg	Million numbers	7303.8	7617.4	10168.0	10995.2	11912.4

Livestock and Poultry Disease Statistics

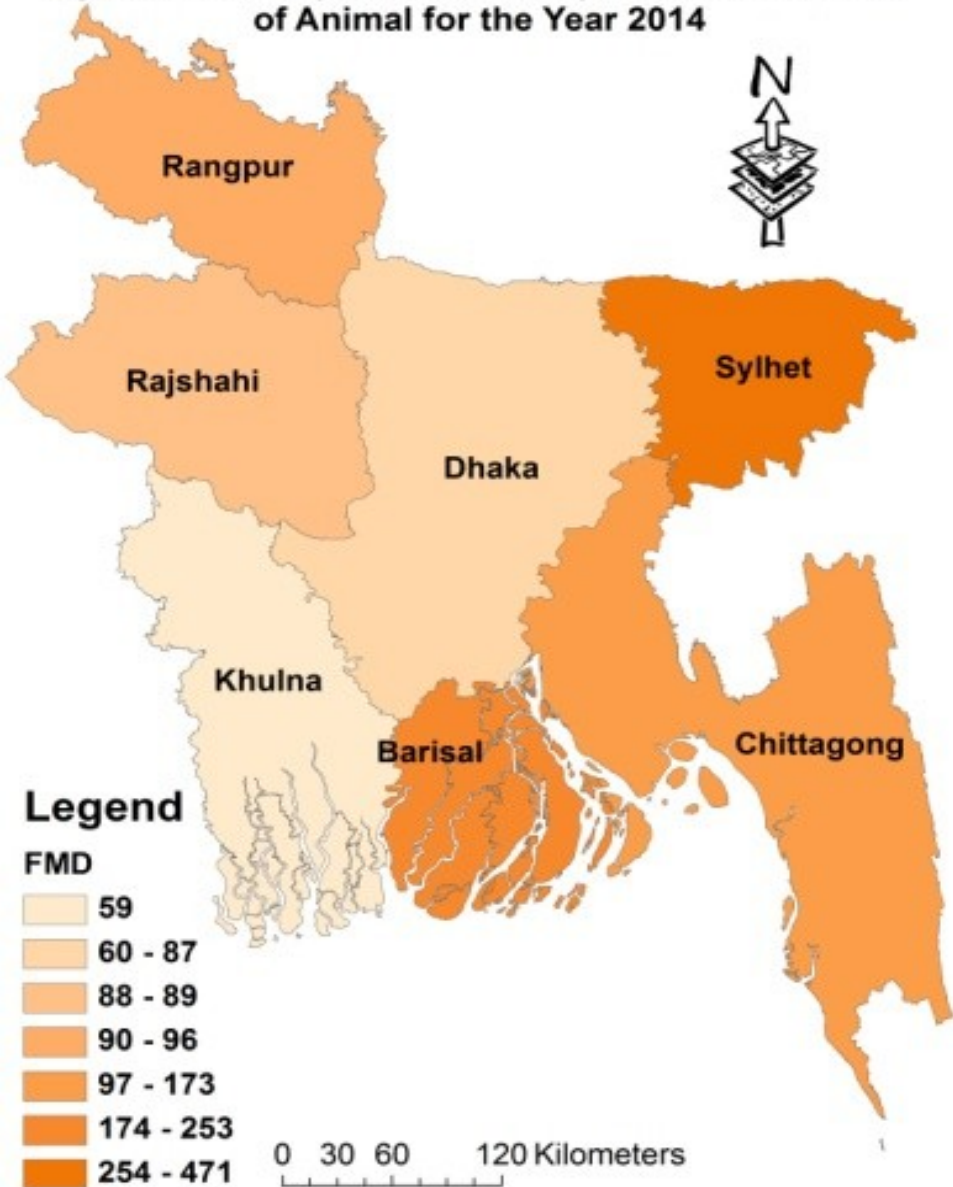


Major Poultry Diseases in 2014



Major Animal Diseases in 2014

Spatial Pattern (Divisional-wise) Surveillance Data of Animal for the Year 2014



Spatial Pattern (Divisional-wise) Surveillance Data of Animal for the Year 2014



FMD Distribution

PPR Distribution

Constraints to Develop Livestock Statistics

- ❖ DLS has no mandate to conduct a census.
- ❖ Incomplete coverage.
- ❖ Limited coverage of commodities.
- ❖ Lack of diversified data.
- ❖ Agricultural Census conducted after long duration (every 10 years).
- ❖ Agricultural Census does not reflect the complete scenario of livestock.

Expectation from upcoming Ag Census

- 1. Relating statistics: of population as per species, age, sex, and genetic composition (indigenous/cross,etc.**
- 2. Feed type used, cost, rearing system.**
- 3. Production statistics: species wise milk, meat, egg, hides, skin, horn, hoofs, dung.**
- 4. Artificial Insemination and pregnancy rate.**
- 5. Socioeconomic and Nutrition related, i.e consumption, employment, etc.**
- 6. Processing and value addition**
- 7. Feed Mill, Hatchery, Breeding farm, DOC production.**
- 8. Animal Health related: Diseases, Treatment, Cost involve, Vaccine,**
- 9. Waste Management, etc.**

Ways to Forward

- As per Statistical Act 2013, separate livestock census should be conducted.
- BBS has to form a master frame (Core Module) as well as complementary module for livestock census/survey.
- More coordination between BBS and DLS in technical aspects.
- BBS need to open separate Livestock Wing.
- System development for data validation.
- DLS need technical assistance for various survey study..



THANK YOU