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## Current status of Indian poultry vaccines

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Veterinary vaccines have, had and continue to have, a major impact not only on animal health and production but also on human health through increasing safe food supplies and preventing zoonotic infections. Economic importance of poultry industry can be estimated based on the fact that Indian poultry industry constitutes about 0.7% of National GDP and 10% of livestock GDP. In absolute terms, the market size of Indian poultry vaccine segment is estimated to be US\$ 65 million, which makes about 25% of the overall poultry market (US\$ 253 million). Poultry vaccine segment is expected to be grown at >12% annually. In the recent past, Indian poultry sector has faced frequent onslaught of newer poultry diseases like bird flu (Avian Influenza or AI) leading to enormous losses to the poultry sector not only in India but globally. Avian influenza has emerged as an unpredictable threat to poultry industry causing more than 176 outbreaks in last 10 years, impacting huge economical loss to the poultry industry. Every reported case of outbreak of AI leads to distortions not only in the domestic demand and consequently in prices but also in global trade. Scientific interventions are urgently needed to curb the menace of such emerging poultry diseases in the country. However, current practice does not incorporate avian influenza vaccine into routine vaccination program. Thus, there is a need of predictive analytics approach to forecast the outbreak and more importantly to have a safe and efficacious vaccine for avian influenza.

## Biography

Rajesh Kharvi has completed his BVSC & AH from Veterinary College, Bangalore. Following which, he did MBA in Marketing from BII Pune. Subsequently, he has worked in industry at various roles including Zoetis as Assistant Product Manager, looking after therapeutics, disinfectant and vaccine portfolio. Presently, he is working in Cargill as a Product Manager. He is also enrolled into executive program in managing business decisions- A quantitative approach from IIM Kolkata.

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