



جابتن قرتانين دن اكري ماكنن

**Agriculture and Agrifood Department**  
Ministry of Primary Resources and Tourism

# CAREER PROSPECT AS VETERINARIAN



## WHAT IS A VETERINARIAN?

A **Veterinarian** is a person who studies Degree in Doctor of Veterinary Medicine (DVM), understand the concept on diagnose and treatment of diseases, disorders, injuries in animals, relieve or prevent spread of animal diseases, to issue medical prescription, administration or application of any drug, medicine, biologics or apparatus. Veterinarians, also known as animal doctors or vets, provide care for a wide range of animals including pets, livestock and others, and plays a critical role in public health and food safety.

### Farm

Veterinarians at livestock farms are the frontline guardians of animal health, food safety, and farm productivity. Their role goes far beyond treating sick animals—here's a breakdown of what they actually do:

- Health Monitoring & Disease Control**
  - Routine Checkups: Conduct regular health assessments to detect early signs of illness.
  - Vaccinations & Parasite Control: Administer preventive treatments to reduce disease outbreaks.
  - Emergency Care: Respond to injuries, infections, or birthing complications.
  - Biosecurity Implementation: Design protocols to prevent disease entry and spread across the farm.
- Reproduction & Breeding Support**
  - Artificial Insemination / Embryo Transfer: Improve herd genetics and reproductive efficiency.
  - Pregnancy Diagnosis: Use ultrasound or palpation to confirm pregnancies.
  - Birthing Assistance: Help with difficult deliveries and postnatal care.
- Food Safety & Public Health**
  - Antibiotic Stewardship: Monitor and regulate drug use to prevent resistance.
  - Meat & Milk Quality Assurance: Ensure animals are healthy before entering the food chain.
  - Zoonotic Disease Surveillance: Track diseases that could spread to humans.
- Farmer Education & Advisory**
  - Nutrition Guidance: Recommend balanced diets and supplements for optimal growth.
  - Record Keeping: Maintain health logs, treatment histories, and vaccination schedules.
  - Regulatory Compliance: Help farms meet national and international standards for animal welfare and product safety.
- Sustainability & Welfare Advocacy**
  - Promote humane handling, stress reduction, and eco-friendly farming practices.
  - Support research into climate-resilient livestock systems and alternative feed sources.

### Important roles as a Veterinarian

- Facilitating in Prevention, Control & Treatment of Diseases
- Helping Animals In Need & Animal Welfare
- Contributing to Society, Industries & Economy
- Research & Policy Development

### Abattoir



An abattoir—also called a slaughterhouse—is a highly structured facility where livestock are humanely Slaughtered and processed into meat. It's not just a place for slaughter; it's a full system designed for hygiene, safety, and efficiency. Here's what you'll typically find inside:

- Receiving & Holding Areas**
  - Stockyard: Where animals arrive and are sorted by species or batch.
  - Lairage: Resting pens for animals to reduce stress before slaughter.
  - Ante-mortem Inspection Zone: Veterinarians assess animal health before processing.
- Slaughter & Processing Zones**
  - Slaughtering Area: Animals are slaughtered.
  - Bleeding Station: Major arteries are severed to drain blood.
  - Skinning/Scalding: Removal of hide or feathers depending on species.
  - Evisceration Line: Internal organs are removed and inspected.
  - Carcass Washing: Final cleaning before chilling.
- Cold Chain & Butchering**
  - Chillers & Blast Freezers: Rapid cooling to preserve meat quality.
  - Cutting & Deboning Rooms: Skilled workers portion meat into retail cuts.
  - Packaging Area: Vacuum sealing, labeling, and boxing for distribution.
- Safety & Compliance**
  - Veterinary Inspection Stations: Post-mortem checks for disease or contamination.
  - Condemned Meat Rooms: Secure zones for non-compliant carcasses.
  - Quality Control Lab: Microbiological and chemical testing.
- Byproduct & Waste Management**
  - Offal Processing: Organs, blood, and bones turned into pet food, fertilizer, or pharmaceuticals.
  - Hide & Skin Rooms: For leather production.
  - Wastewater Treatment: Ensures environmental compliance.



[www.agriculture.gov.bn](http://www.agriculture.gov.bn)



[regulatori.ternakan@gmail.com](mailto:regulatori.ternakan@gmail.com)



[agriculture.gov.bn](https://www.instagram.com/agriculture.gov.bn)



+673 7359566  
Semasa waktu bekerja



جابتن قرتانين دن اكري ماكنن

**Agriculture and Agrifood Department**  
Ministry of Primary Resources and Tourism

# CAREER PROSPECT AS VETERINARIAN



## Clinic

At a veterinary clinic, veterinarians are like medical detectives, surgeons, and wellness coaches—all rolled into one. Their work focuses on companion animals (like cats, dogs, rabbits, and birds), but they may also treat exotic pets or small livestock depending on the clinic. Here's what they typically do:

### Clinical Examinations & Diagnostics

- Physical Exams: Check for signs of illness, injury, or abnormal behavior.
- Lab Testing: Order or perform blood tests, X-rays, ultrasounds, and urinalysis.
- Diagnosis: Identify diseases or conditions and explain findings to pet owners.

### Treatment & Surgery

- Medical Care: Prescribe medications, treat infections, and manage chronic conditions.
- Surgical Procedures: Perform spaying/neutering, tumor removals, dental surgeries, and emergency operations.
- Anesthesia & Monitoring: Safely sedate animals and track vital signs during procedures.

### Preventive Care & Wellness

- Vaccinations: Protect pets from rabies, parvovirus, distemper, and more.
- Nutrition Advice: Recommend diets for weight control, allergies, or age-related needs.
- Parasite Control: Treat and prevent fleas, ticks, and worms.

### Client Education & Support

- Behavioral Guidance: Help owners manage anxiety, aggression, or training issues.
- End-of-Life Care: Provide palliative support and humane euthanasia when needed.
- Record Keeping: Maintain detailed medical histories and treatment plans.

### Public Health & Safety

- Monitor zoonotic diseases (those that can spread to humans).
- Ensure pets are safe for travel, boarding, or breeding through health certifications.



## Laboratory

In a laboratory setting, veterinarians play a critical role in research, diagnostics, and animal welfare—especially when working with animals used in scientific studies. Here's what they typically do:

### Diagnostic & Pathology Work

- Conduct post-mortem exams and histopathology to identify disease or experimental outcomes.
- Run lab tests on blood, tissue, or fluids to support clinical diagnoses.
- Support outbreak investigations or surveillance for zoonotic diseases.

### Research & Innovation

- Collaborate on experimental design using animal models for human or veterinary diseases.
- Develop surgical techniques or test new drugs, vaccines, and feed additives.
- Publish findings that contribute to veterinary science, pharmacology, or public health.

### Residue and Contaminant Analysis

- Test meat, milk, or eggs for veterinary drug residues
- Verify food safety standards before products reach consumers
- Ensure compliance with national guidelines

### Vaccine Quality Assurance

- Check vaccine potency, sterility, and shelf-life
- Participate in trials for locally adapted vaccine development
- Advise on field deployment and vaccination campaigns

### Regulatory & Institutional Roles

- Serve on Animal Ethics Committees to review and approve research proposals.
- Oversee quarantine, biosecurity, and facility design for lab animal housing.
- Advise on genetic modification, breeding programs, and welfare standards.



[www.agriculture.gov.bn](http://www.agriculture.gov.bn)



[regulatori.ternakan@gmail.com](mailto:regulatori.ternakan@gmail.com)



[agriculture.gov.bn](https://www.instagram.com/agriculture.gov.bn)



+673 7359566  
Semasa waktu bekerja



جاپتن ڦرتانين دن اڳري ماكنن

**Agriculture and Agrifood Department**  
Ministry of Primary Resources and Tourism

# CAREER PROSPECT AS VETERINARIAN



## Fisheries

In fisheries and aquaculture, veterinarians are the guardians of aquatic animal health, playing a vital role in both food safety and ecosystem sustainability. Here's how they contribute:

- Disease Prevention & Diagnostics**
  - Monitor fish health across hatcheries, grow-out ponds, and processing facilities.
  - Diagnose and treat diseases like bacterial gill disease, parasitic infestations, or viral outbreaks.
  - Implement biosecurity protocols to prevent cross-contamination and zoonotic risks.
- Vaccination & Treatment**
  - Develop and administer vaccines for high-risk species.
  - Advise on medication use, withdrawal periods, and residue monitoring to meet food safety standards.
- Environmental & Welfare Oversight**
  - Assess water quality (pH, ammonia, oxygen) and its impact on fish health.
  - Promote humane handling, transport, and slaughter practices aligned with welfare codes.
  - Support Integrated Multi-Trophic Aquaculture (IMTA) systems that balance species and reduce waste.
- Surveillance & Data-Driven Management**
  - Conduct epidemiological studies to track disease trends and emerging threats.
  - Use data analytics to optimize feed conversion, growth rates, and mortality reduction.
- Regulatory & Export Compliance**
  - Ensure farms meet World Organisation Animal Health (WOAH) aquatic animal health standards and requirements.
  - Prepare documentation for certification, traceability, and international trade.



## Lecturer

As a lecturer in veterinary medicine, a veterinarian steps into the role of educator, mentor, and researcher, shaping the next generation of animal health professionals. Here's how the role typically unfolds:

- Academic Instruction**
  - Design and deliver lectures on subjects like anatomy, pathology, pharmacology, and clinical practice.
  - Lead practical sessions and lab work, including dissections, diagnostic techniques, and case simulations.
  - Develop course materials, assessments, and grading rubrics aligned with curriculum standards.
- Research & Publication**
  - Conduct original research in areas such as zoonotic diseases, animal welfare, or veterinary pharmacology.
  - Publish findings in peer-reviewed journals and present at conferences.
  - Collaborate with other academics on interdisciplinary studies.
- Student Mentorship & Support**
  - Guide students through clinical rotations, thesis projects, and career planning.
  - Provide pastoral care, helping students manage stress and academic challenges.
  - Supervise postgraduate students in specialized research areas.
- Curriculum & Institutional Duties**
  - Participate in curriculum development, accreditation reviews, and quality assurance.
  - Serve on academic committees, ethics boards, or research panels.
  - Stay updated with teaching innovations, including e-learning platforms and simulation tools.



[www.agriculture.gov.bn](http://www.agriculture.gov.bn)



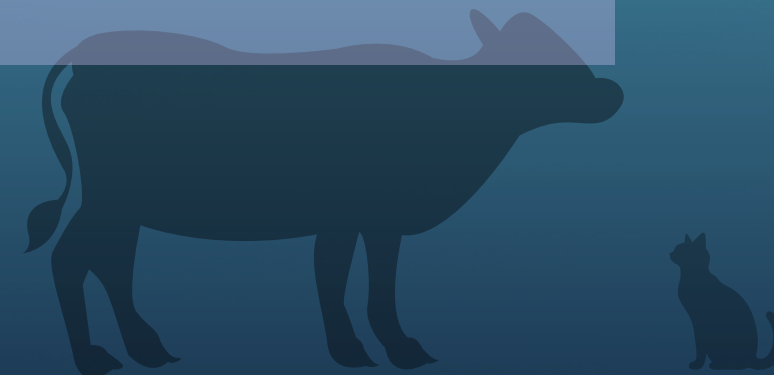
[regulatori.ternakan@gmail.com](mailto:regulatori.ternakan@gmail.com)



[agriculture.gov.bn](https://www.instagram.com/agriculture.gov.bn)



+673 7359566  
Semasa waktu bekerja





جابتن قرتانين دن اكري ماكنن

**Agriculture and Agrifood Department**  
Ministry of Primary Resources and Tourism

# CAREER PROSPECT AS VETERINARIAN



## Pharmacy

In veterinary pharmacy, veterinarians or veterinary pharmacists specialize in the safe use, preparation, and dispensing of medications for animals. It's a niche but critical field that bridges veterinary medicine and pharmaceutical science. Here's what they typically do:

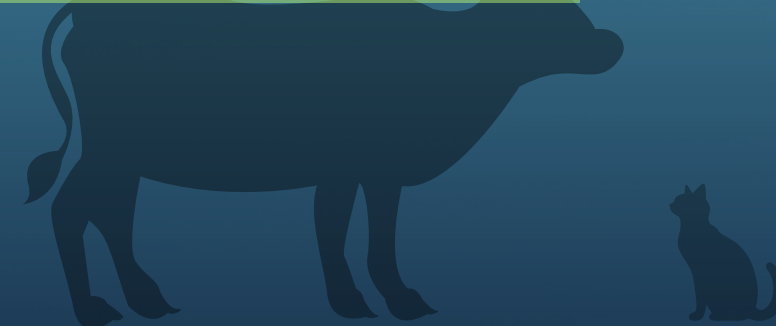
- Medication Management & Dispensing**
  - Fill prescriptions written by veterinarians for pets, livestock, or exotic animals.
  - Measure and compound dosages tailored to species, weight, and condition.
  - Source alternative medications when commercial options aren't available.
  - Label and package drugs with clear instructions for animal owners or farm staff.
- Clinical Support & Safety Oversight**
  - Advise on drug interactions, side effects, and withdrawal periods (especially for food animals).
  - Ensure regulatory compliance with veterinary drug laws and controlled substances.
  - Educate clients on proper administration, storage, and disposal of medications.
  - Monitor inventory to prevent shortages or expired stock.
- Research & Product Development**
  - Collaborate with pharmaceutical companies to develop new animal drugs.
  - Conduct bioavailability and safety studies across species.
  - Support formulation of feed additives, vaccines, and supplements.
- Farm & Field Applications**
  - Work with veterinarians to design medication protocols for herd health.
  - Help farmers comply with Good Animal Husbandry Practices (GAHP), Global Good Agricultural Practices (GLOBALG.A.P) and World Organisation Animal Health (WOAH) standards for drug use.
  - Provide on-site training for safe handling and administration of veterinary medicines.
- Institutional Roles**
  - Manage hospital pharmacies in veterinary teaching hospitals or large clinics.
  - Support regulatory agencies in approving and monitoring veterinary drugs.
  - Teach pharmacology to veterinary students and professionals.



## Zoo & Wildlife

In zoos and wildlife settings, veterinarians are the frontline defenders of exotic and endangered species, blending clinical care with conservation science. Their role is as diverse as the animals they protect:

- Clinical & Preventive Care**
  - Perform routine health checks, diagnostics, and emergency treatments for species ranging from elephants to reptiles.
  - Administer vaccines, antiparasitic treatments, and manage nutrition tailored to each species.
  - Conduct surgeries and dental care, often with specialized equipment and techniques.
- Conservation & Research**
  - Support captive breeding programs for endangered species, ensuring genetic diversity and reproductive health.
  - Study disease ecology and population health, especially for species at risk of extinction.
  - Collaborate on reintroduction efforts, preparing animals for release into the wild.
- Welfare & Ethics Oversight**
  - Design species-specific enrichment programs to promote natural behaviors and reduce stress.
  - Ensure compliance with zoo licensing, transport laws, and international welfare standards.
  - Train zookeepers in safe handling, restraint, and behavioral observation.
- Wildlife Fieldwork & Policy**
  - Monitor wild populations for disease outbreaks, pollution impacts, or habitat threats.
  - Work with government agencies and Non-Governmental Organizations (NGOs) on wildlife rescue, rehabilitation, and policy development.
  - Contribute to One Health initiatives, linking animal, human, and environmental health.
- Education & Public Engagement**
  - Lead visitor education programs on conservation and animal welfare.
  - Publish research and speak at conferences to advance zoological medicine.



[www.agriculture.gov.bn](http://www.agriculture.gov.bn)



[regulatori.ternakan@gmail.com](mailto:regulatori.ternakan@gmail.com)



[agriculture.gov.bn](https://www.instagram.com/agriculture.gov.bn)



+673 7359566  
Semasa waktu bekerja



جابتن قرتانين دن اكري ماكنن

**Agriculture and Agrifood Department**  
Ministry of Primary Resources and Tourism

# CAREER PROSPECT AS VETERINARIAN



## Nutritionist

A veterinarian working as a veterinary nutritionist is a specialist who focuses on how diet affects animal health, performance, and disease management. They blend medical knowledge with nutritional science to create tailored feeding plans for pets, livestock, and even zoo animals. Here's what they typically do:

- 🧠 **Clinical Nutrition & Disease Management**
  - Design therapeutic diets for animals with conditions like kidney disease, obesity, diabetes, or food allergies.
  - Adjust feeding plans to support recovery from surgery, trauma, or chronic illness.
  - Monitor nutrient interactions with medications and disease progression.
- 📊 **Nutritional Assessment & Planning**
  - Evaluate body condition scores and metabolic needs based on species, age, activity, and health status.
  - Formulate balanced rations for performance animals, breeding stock, or production herds.
  - Recommend supplements (e.g. vitamins, minerals, probiotics) when needed.
- 🐾 **Pet & Livestock Advisory**
  - Guide pet owners on life-stage nutrition, weight control, and feeding behavior.
  - Advise farmers on feed conversion efficiency, growth rates, and cost-effective rations.
  - Support Good Animal Husbandry Practices (GAHP) and Global Good Agricultural Practices (GLOBALG.A.P) compliance through nutrition-linked welfare standards.
- 🔬 **Research & Product Development**
  - Conduct studies on nutrient bioavailability, feed additives, and disease prevention.
  - Collaborate with pet food companies or livestock feed manufacturers to develop new products.
  - Publish findings and teach veterinary students or professionals.
- 🏛️ **Public Health & Policy Support**
  - Help prevent zoonotic diseases through nutrition-based immunity support.
  - Contribute to national guidelines on animal feeding standards and food safety.
  - Participate in accreditation systems that require nutritional oversight.



[www.agriculture.gov.bn](http://www.agriculture.gov.bn)



[regulatori.ternakan@gmail.com](mailto:regulatori.ternakan@gmail.com)



[agriculture.gov.bn](https://www.instagram.com/agriculture.gov.bn)



+673 7359566  
Semasa waktu bekerja