

One Health (OH) overview of Poultry Red Mite (PRM)

- interdisciplinary approach -

OH MODEL FOR PRM INFESTATION, TREATMENT AND PREVENTION

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Working Group 2 – COREMI Workshop

Skopje, 27.03.2018

ONE HEALTH

*Planetary health; Global health; One medicine;
Ecohealth*



**World Health
Organization**

What is 'One Health'?

'One Health' is an approach to designing and implementing programmes, policies, legislation and research in which multiple sectors communicate and work together to achieve better public health outcomes.



**CENTERS FOR DISEASE
CONTROL AND PREVENTION**

The One Health concept recognizes that the health of people is connected to the health of animals and the environment. [CDC uses a One Health approach](#) by working with physicians, veterinarians, ecologists, and many others to monitor and control public health threats and to learn about how diseases spread among people, animals, and the environment.



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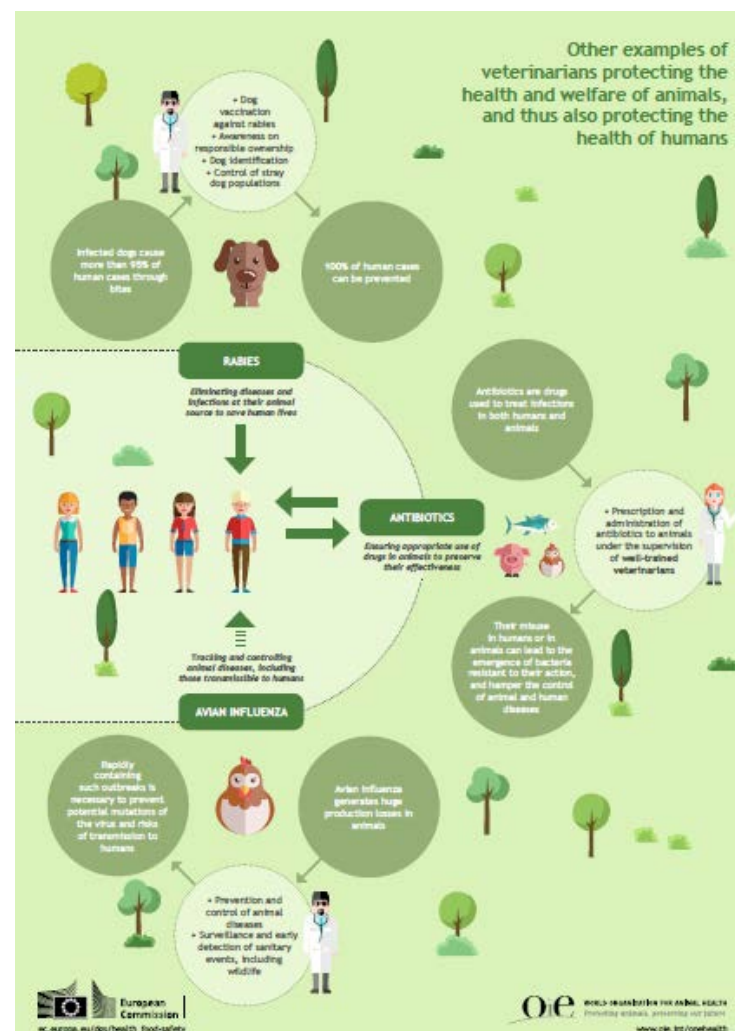
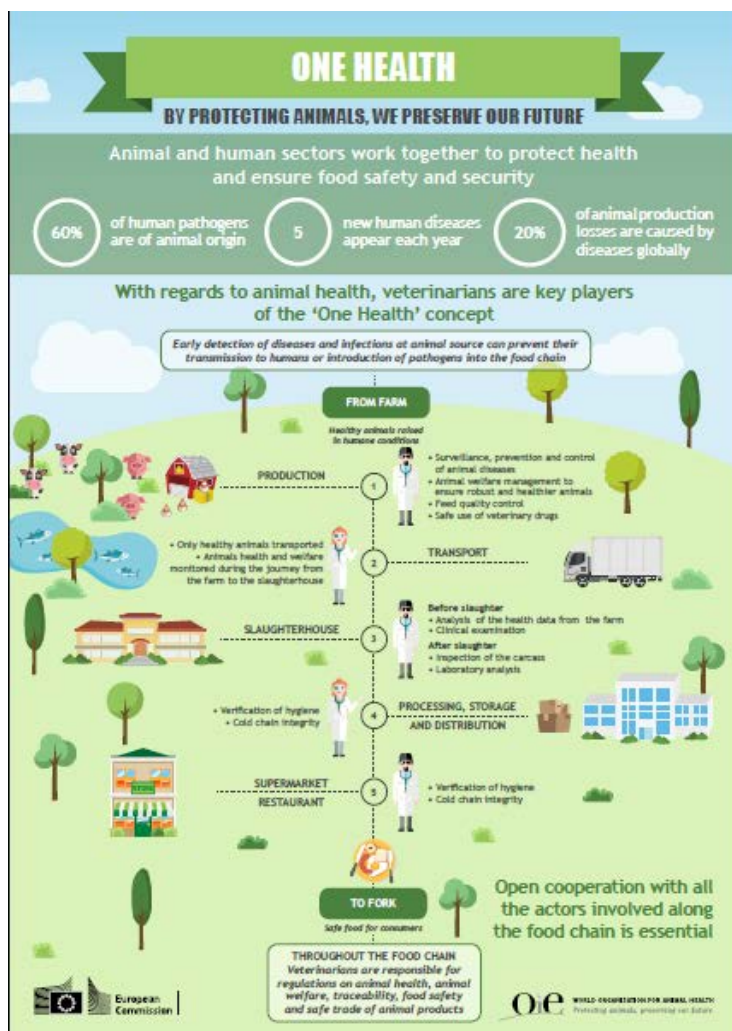
One Health - It's all connected

One Health is the integrative effort of multiple disciplines working locally, nationally, and globally to attain optimal health for people, animals, and the environment.

ONE HEALTH



In a few words, it summarised an idea that had been known for more than a century; that **human health and animal health are interdependent and bound to the health of the ecosystems** in which they exist.



ONE HEALTH

Domestic animals, wildlife and humans
face similar health threats



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Protecting animals, preserving our future

Aquatic animals
are under threat



WORLD ORGANISATION FOR ANIMAL HEALTH
Protecting animals, preserving our future

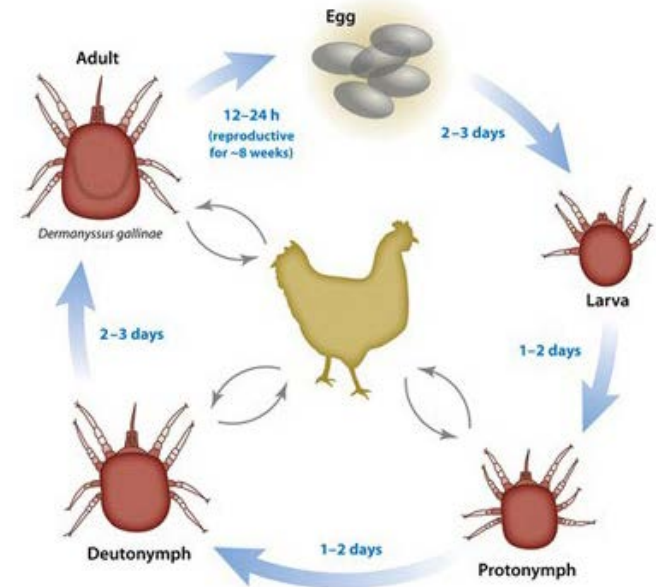
Poultry Red Mite - *Dermanyssus gallinae*



Serious threat to poultry industry



CYCLE THAT NEVER ENDS!



PRM in NEWS

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To avoid those nagging chicken mites, hygiene is a must

By Tony Kingu | Published Saturday, March 25th 2017 at 11:28. Updated March 25th 2017 at 11:32 GMT +3

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One of my clients, James Njogu has been a chicken farmer for close to 10 years now. I met Njogu in one of the poultry farmers' training sessions we held in Nakuru town last year. For the 10 year she has reared poultry, he focused mostly on commercial broiler layers

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A very limited number of chemical treatments are currently available to treat poultry red mite infestations. | Merck Animal Health

BY DEVIN KING, ON MARCH 7, 2018

Poultry red mites are Europe's most costly pest

Tiny blood-sucking arachnids are found in many countries and are a leading cause of economic damage to the poultry industry.

Poultry red mites are a small pest that have a large impact on the poultry industry. They are found in many countries and are a leading cause of economic damage to the poultry industry.

Read the entire report about poultry red mites in the March issue of Egg Industry.

An epidemiological review found in the article, The Poultry Red Mite, A small pest that causes a big problem.

GERMANY BREXIT WORLD BUSINESS SCIENCE ENVIRONMENT CULTURE SPORTS

STORIES / SCIENCE

SCIENCE

Fipronil: What is it - and how did it get into our eggs?

The scandal over contaminated eggs in Germany is growing. To protect their customers from the toxic Fipronil, the discounter Aldi has pulled all eggs from its stores. But what exactly is Fipronil?



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- EPA tried to delay report detailing chemicals' harm to wildlife

Joanna Walters and agencies

@Joannawalters13

Sun 21 Jan 2018 13:45 GMT

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This article is over 2 months old

2,464



▲ A female orca breaches in Puget Sound. The unique resident population has lost eight of its 76 members in the last 18 months. Photograph: Elaine Thompson/AP

Commercial fishermen and environmental groups could file lawsuits against the

abc NEWS VIDEO LIVE SHOWS

Woman Quarantined With Bird Mites

By RUSSELL GOLDMAN June 6, 2008

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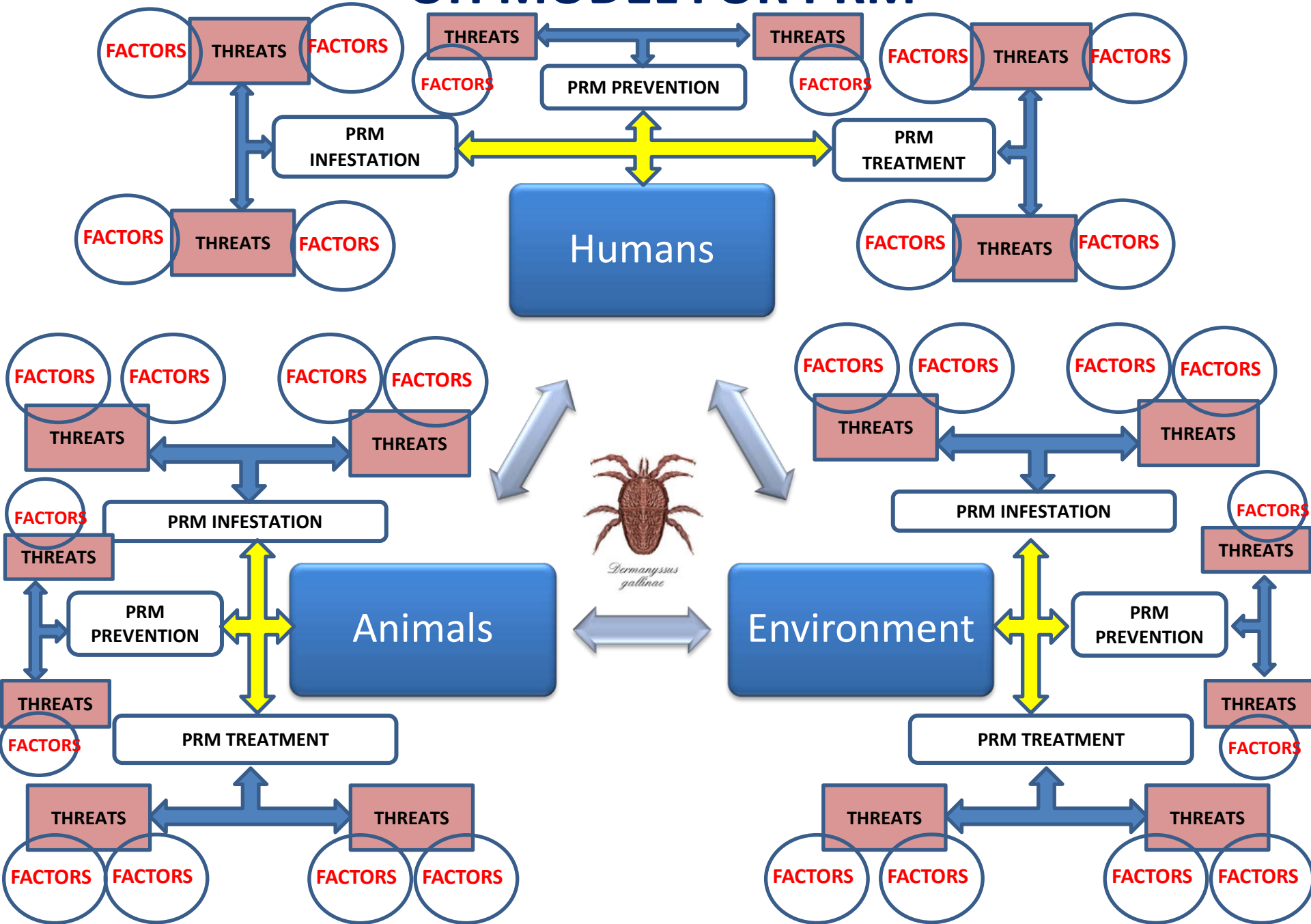
A Long Island woman was quarantined in a hospital room Thursday night after emergency workers found her home and found her skin crawling with nearly invisible parasites that doctors say are bird mites.

The woman, Nina Bradica, 45, of Levittown, N.Y., called 911 complaining of chest pains. Police and firefighters placed the woman in a protective hazardous-materials suit to transport her to a county hospital.

"She is in stable but less-than-comfortable condition," said Dr. Ken Steier of Nassau University Medical Center. "Based on what was found in her home, this may be a bird mite infestation. We've collected three specimens that appear to be mites and have sent them to the CDC."

Bird mites are tiny parasitic insects about a half a millimeter long and are usually invisible to the naked eye. People infested with mites break out in red bumps that can cause intense itching and irritation.

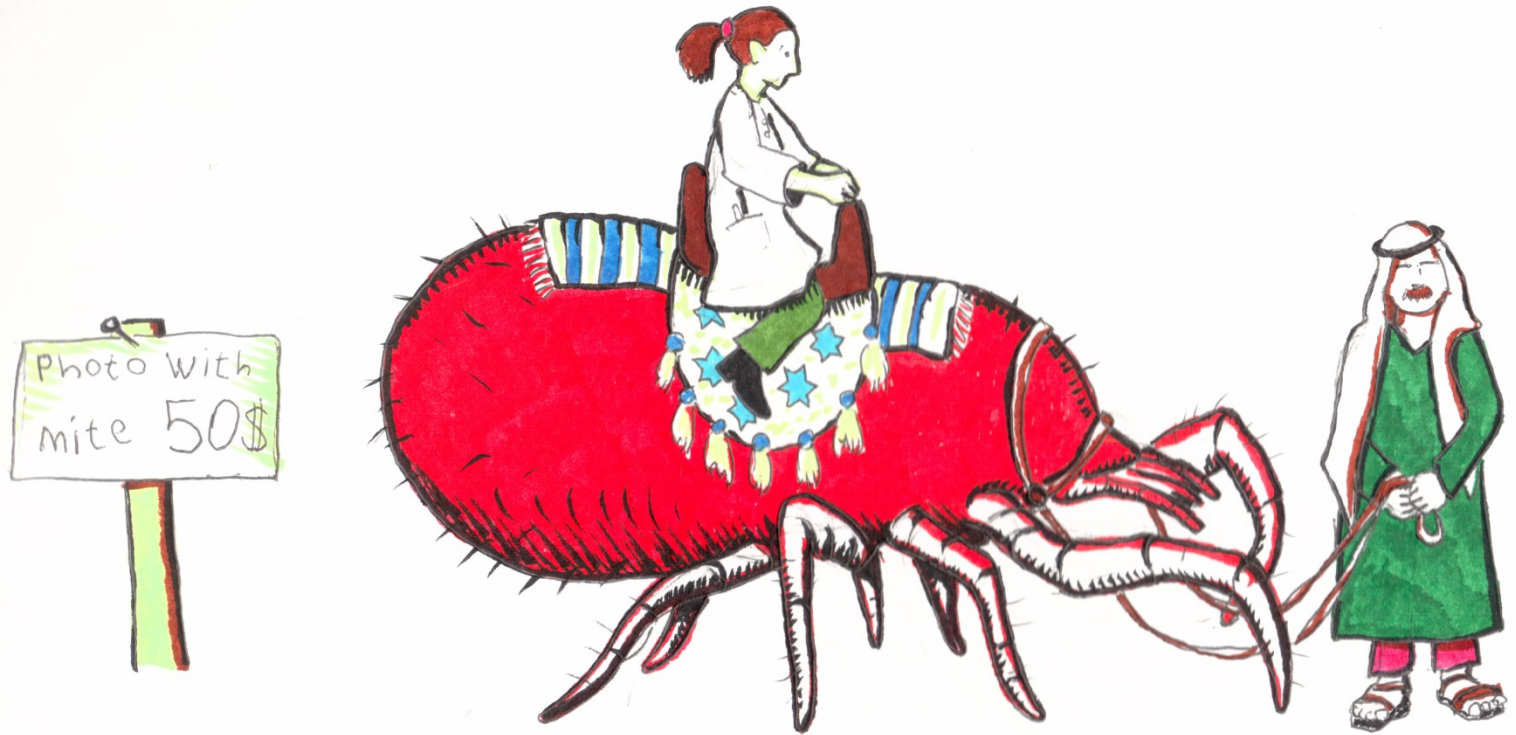
OH MODEL FOR PRM



WORK TO BE DONE

- **Working in groups : 3 groups x 5 people
(Human, Animal, Environment)**
- **Guidelines (3 questions):**
 - 1. Do PRM INFESTATION, TREATMENT and PREVENTION have any influence on HEALTH?**
 - 2. What are the THREATS and specific FACTORS?**
 - Excel Sheet**
 - 3. Key points – Message to the Public**
 - Designing the leaflet**

MANAGEMENT OF PRM IN ONE HEALTH



Rehovot, Israel, IX 2016

2016