



# CURRENT STATE OF VETERINARY MEDICINE IN ITALY



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# ITALY

- 61 million inhabitants
- Capital: Rome
- History
- Art and Culture
- Cuisine
- World Heritage Sites
- Fashion industry
- Automotive industry





★ 13 Colleges

★ All Public Institutions





**USA**



319.000.000 Inhabitants  
9.857.000 km<sup>2</sup>

30 College V.M.  
3000 students  
graduate every year

**ITALY**



60.000.000 Inhabitants  
301.338 km<sup>2</sup>

13 College V.M.  
1000 students  
graduate every year

1/32 territorial extension  
1/5 inhabitants  
1/2 Veterinary College



# THE VETERINARY MEDICINE COURSE

- ➡ COURSE WITH ADMISSION TEST AT NATIONAL SCALE
- ➡ ONE CYCLE DEGREE (5 YEARS)
- ➡ 30 EXAMS
- ➡ FINAL EXAM
- ➡ STATE EXAMINATION for the professional license



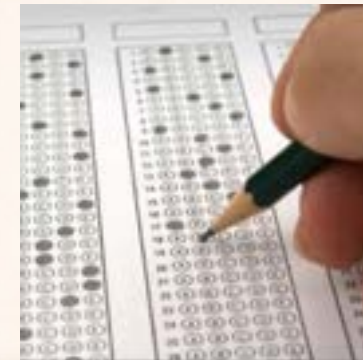
# VETERINARY COLLEGE ADMISSION

## ➡ PREREQUISITES

*HIGH SCHOOL DIPLOMA*

## ➡ MULTIPLE CHOICE TEST

- *Logic and General knowledge*
- *Biology*
- *Chemistry*
- *Physics*
- *Mathematics*





# HOW MANY STUDENTS?



820

**Faculties**

**In-state  
residents**

**Out-state  
residents**

<b>Bari</b>	<b>46</b>	<b>5</b>
<b>Bologna</b>	<b>72</b>	<b>10</b>
<b>Camerino</b>	<b>30</b>	<b>15</b>
<b>Messina</b>	<b>38</b>	<b>5</b>
<b>Milano</b>	<b>80</b>	<b>5</b>
<b>Napoli "Federico II"</b>	<b>60</b>	<b>10</b>
<b>Padova</b>	<b>65</b>	<b>10</b>
<b>Parma</b>	<b>45</b>	<b>3</b>
<b>Perugia</b>	<b>53</b>	<b>10</b>
<b>Pisa</b>	<b>53</b>	<b>5</b>
<b>Sassari</b>	<b>35</b>	<b>10</b>
<b>Teramo</b>	<b>50</b>	<b>5</b>
<b>Torino</b>	<b>90</b>	<b>10</b>
<b>Totale</b>	<b>717</b>	<b>103</b>

# HOW MANY STUDENTS?

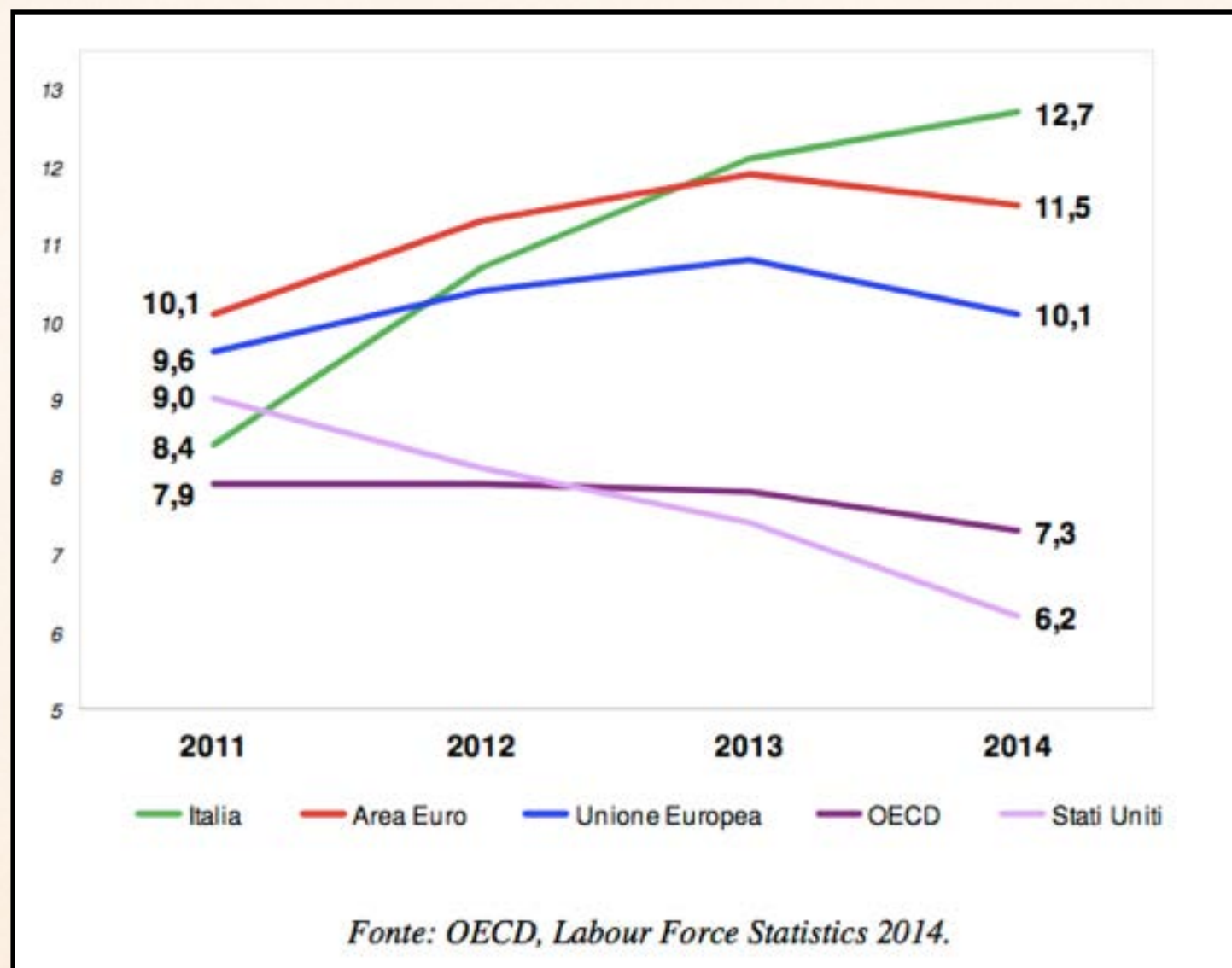


ACADEMIC YEAR	APPLICANTS	QUALIFIED	ADMISSION RATE
<i>2005/2006</i>	<i>4,495</i>	<i>1,415</i>	31,5%
<i>2015/2016</i>	<i>6277</i>	<i>820</i>	13,1%





# GRADUATES UNEMPLOYMENT RATE





# TUITION FEES



*Average veterinary medical school tuition*

*780 - 1500 euro/academic year*

*890-1710 dollars*

→ on family economic conditions

→ on academic performance



# EXAMS



➡ 30 exams in a five year period

➡ Written and Oral part

➡ Expressed as fractions of 30

➡ Students are required to pass a minimum of exams to be admitted to the following year

# FIFTH YEAR

## *Practical applied internship*

clinical science

diagnostics

zootechnics

food inspection



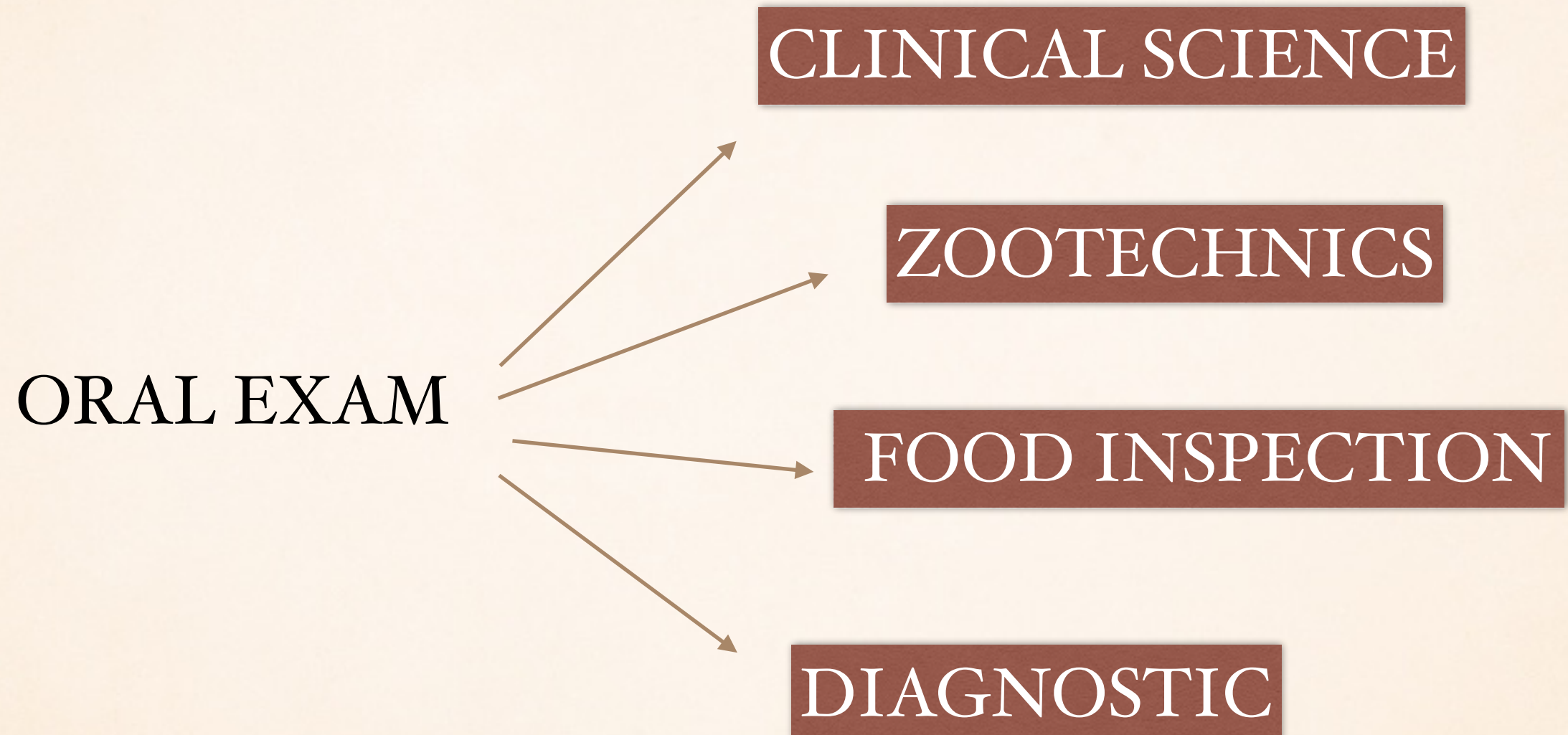


# FINAL EXAM



- ★ A progress report on an advanced and/or innovative subject in a discipline from the course, chosen under the supervision of a professor on the course.
- ★ A power-point of about 15 minutes
- ★ The report is discussed in front of a Commission usually composed of professors from different disciplines
- ★ Students are assigned a score from 66 to 110 cum laude

# STATE EXAMINATION





# POSTGRADUATE EDUCATION



- DOCTORATE (PhD)

3 YEARS

- MASTER PROGRAMME

2 YEARS

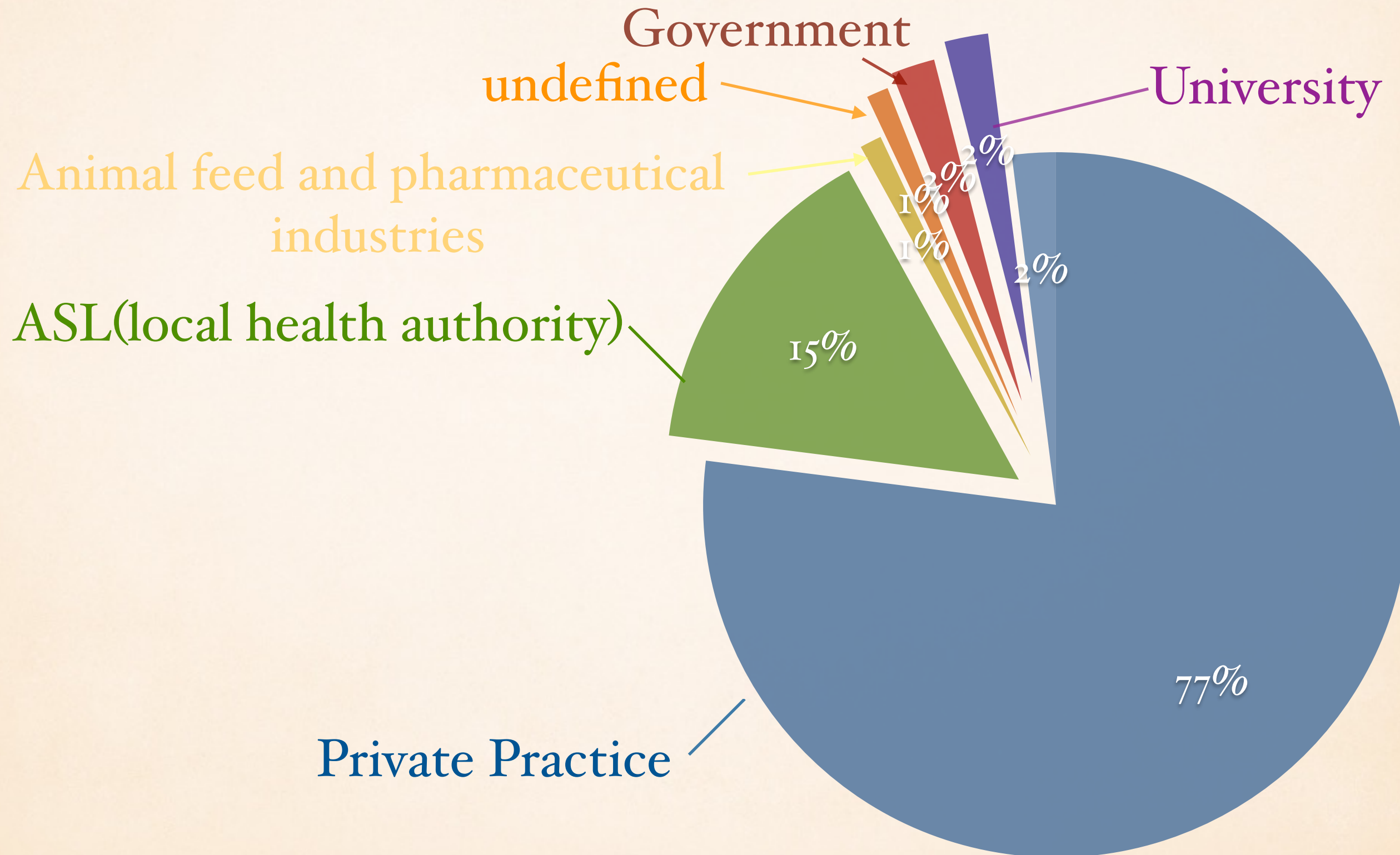
- SPECIALIZATION SCHOOL

2-3 YEARS

- RESIDENCY PROGRAMS?

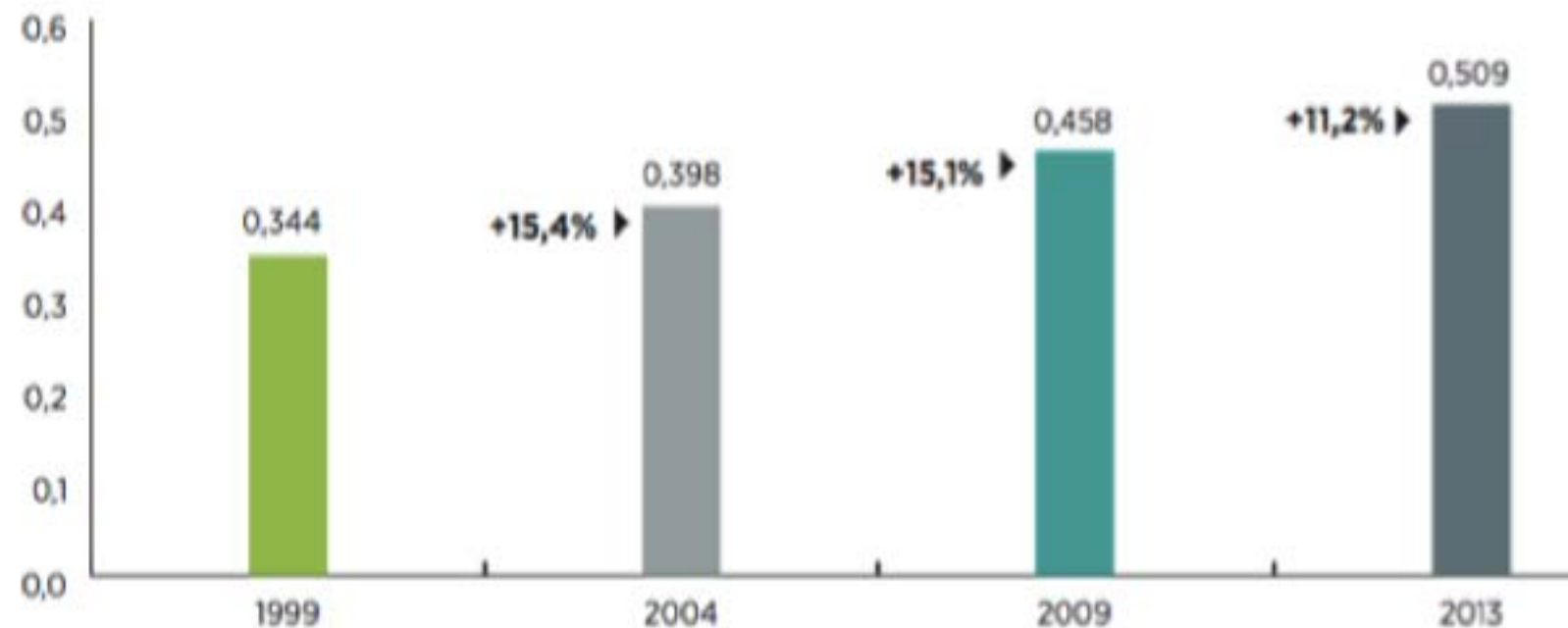
RARE

# AREAS OF EMPLOYMENT OF THE VETERINARIANS IN ITALY





# NUMBER OF VETERINARIANS PER 1.000 PEOPLE IN ITALY



Fonte: elaborazioni Nomisma su dati FNOVI.

The highest number in Europe

Over 50 veterinarians per 100.000 residents

Italy has more than UK veterinary surgeons (0.38),  
France (0.25) and Germany



# AVERAGE INCOME FOR PRIVATE PRACTICE VETERINARIANS IN ITALY



Age	Female	Male
25-29	€ 6.616,14	€ 7.434,92
30-34	€ 9.425,44	€ 10.915,68
35-39	€ 10.781,07	€ 15.117,81
40-44	€ 11.868,35	€ 18.311,59
45-49	€ 14.331,79	€ 20.776,21
50-54	€ 15.166,48	€ 21.698,99
55-59	€ 16.337,18	€ 22.336,42
60-64	€ 11.523,70	€ 23.669,16
65-69	€ 10.079,75	€ 23.422,42
>70	€ 6.679,00	€ 10.650,69
<b>Totale complessivo</b>	<b>€ 11.541,13</b>	<b>€ 19.001,58</b>

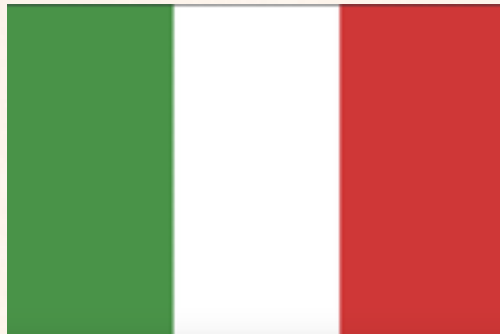


**€15.615,81**

**\$17.318,18**



# THE MEDIAN ENTRY-LEVEL SALARY FOR FIRST-YEAR PRACTITIONERS IN 2014



8772 euro



\$67,000

# FUTURE PERSPECTIVES



## FOOD INDUSTRY

## PUBLIC HEALTH AND FOOD SAFETY

## FOOD QUALITY

*inspect and test livestock and animal products for major animal diseases*

*provide vaccines to treat animals*

*conduct research to improve animal health*

*enforce government food safety regulations*

*design animal and public health programs for the prevention  
and control of diseases*





Vernazza, Cinque terre, La Spezia, Liguria, Italy  
UNESCO World Heritage Site



# VETERINARY MEDICINE in PARMA



Parma Cathedral and Baptistery





# PARMA



Medium-sized city, northern Italy

One of the oldest universities in the world

Important cultural centre and territory of well known agricultural and economical importance

Famous for its food and rich gastronomical tradition





# FOOD VALLEY



- Area among Parma and nearby Reggio Emilia and Modena, where you can find many of the best local salumi, Parmigiano Reggiano, pastas and vegetable preserves in all of Italy.
- *International Food Fair*
- Many Consortiums created to protect local products like Parmigiano Reggiano, Prosciutto di Parma and Culatello di Zibello
- The city was selected in 2003 to be home to the headquarters of the *EFSA, European Food Safety Authority*.





Agency of the **European Union** (EU) that provides independent scientific advice and communicates on existing and emerging risks associated with the **food chain**

The work of EFSA covers all matters with a direct or indirect impact on food and feed safety

*animal health and welfare*

*plant protection*

*plant health*

*nutrition*





# FACULTY OF VETERINARY MEDICINE OF PARMA

North-western outskirts of the city

Founded in 1845 by Maria Luigia  
d'Austria





# FACULTY OF VETERINARY MEDICINE OF PARMA

14 educational and research buildings

2 departments

Animal Health

The Animal Production,  
Veterinary Biotechnologies,  
Food Quality and Safety



The Faculty has access to other educational facilities:

- the nearby slaughterhouse
- the adjacent Municipal Dog and Cat Shelter

160 dogs and 50 cats

- the Zooprophyllactic Institute

Public Law Health Service Body





# VETERINARY TEACHING HOSPITAL



Built in 2010  
Open 24H





1 Reception area



4 examination rooms small animals

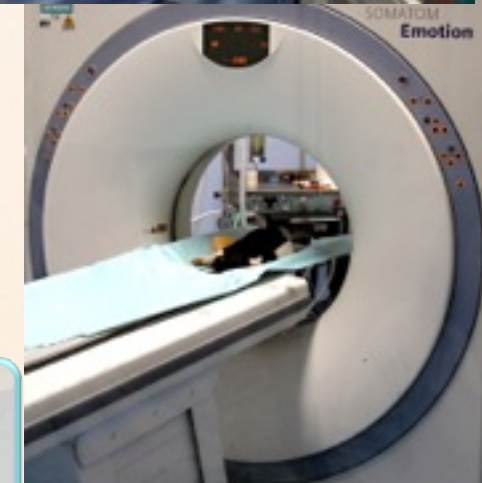
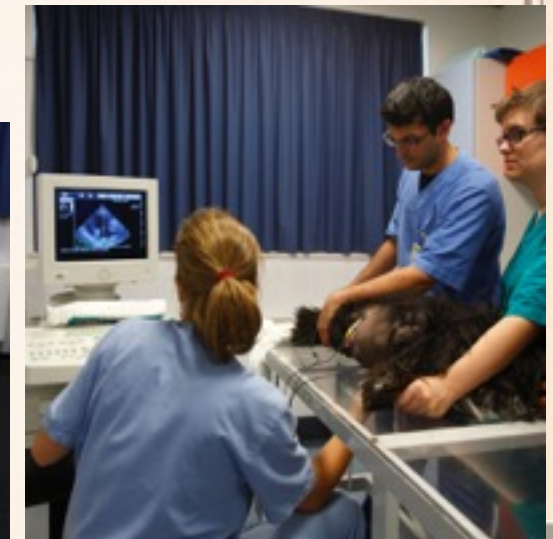


1 examination rooms large animals

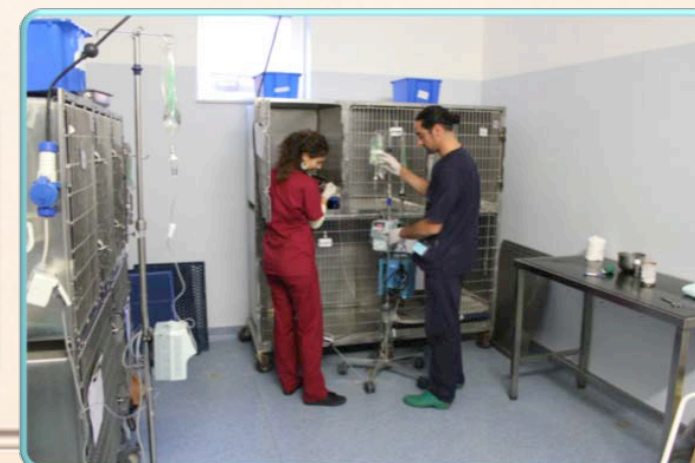
3 surgical rooms small animals

1 room for the Cardiology service

3 rooms for the Radiology service



3 rooms for Small Animal hospitalization service





# HOSPITAL STAFF

12 permanent professors

13 hospital veterinarians

9 technicians

8 PhD students

4 administrative persons



# CASELOAD



SMALL ANIMALS

4000 cases per year



HORSES

very limited



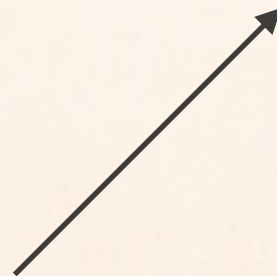
CATTLE



extramural rotation  
with contract professor



PORCINE



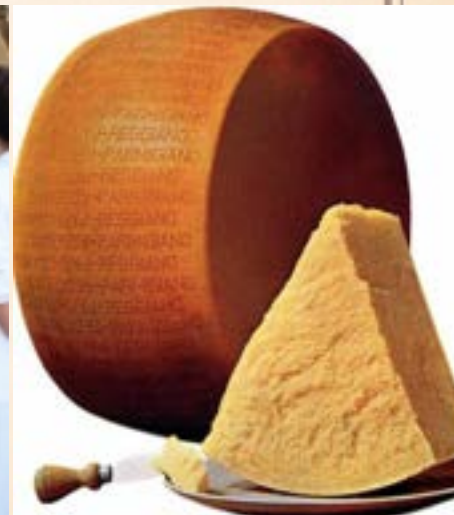


# Main products in the surroundings of Parma






cheese from cow's milk

cured ham from pigs

→ Faculty of Veterinary Medicine of Parma can offer a very good training in both species

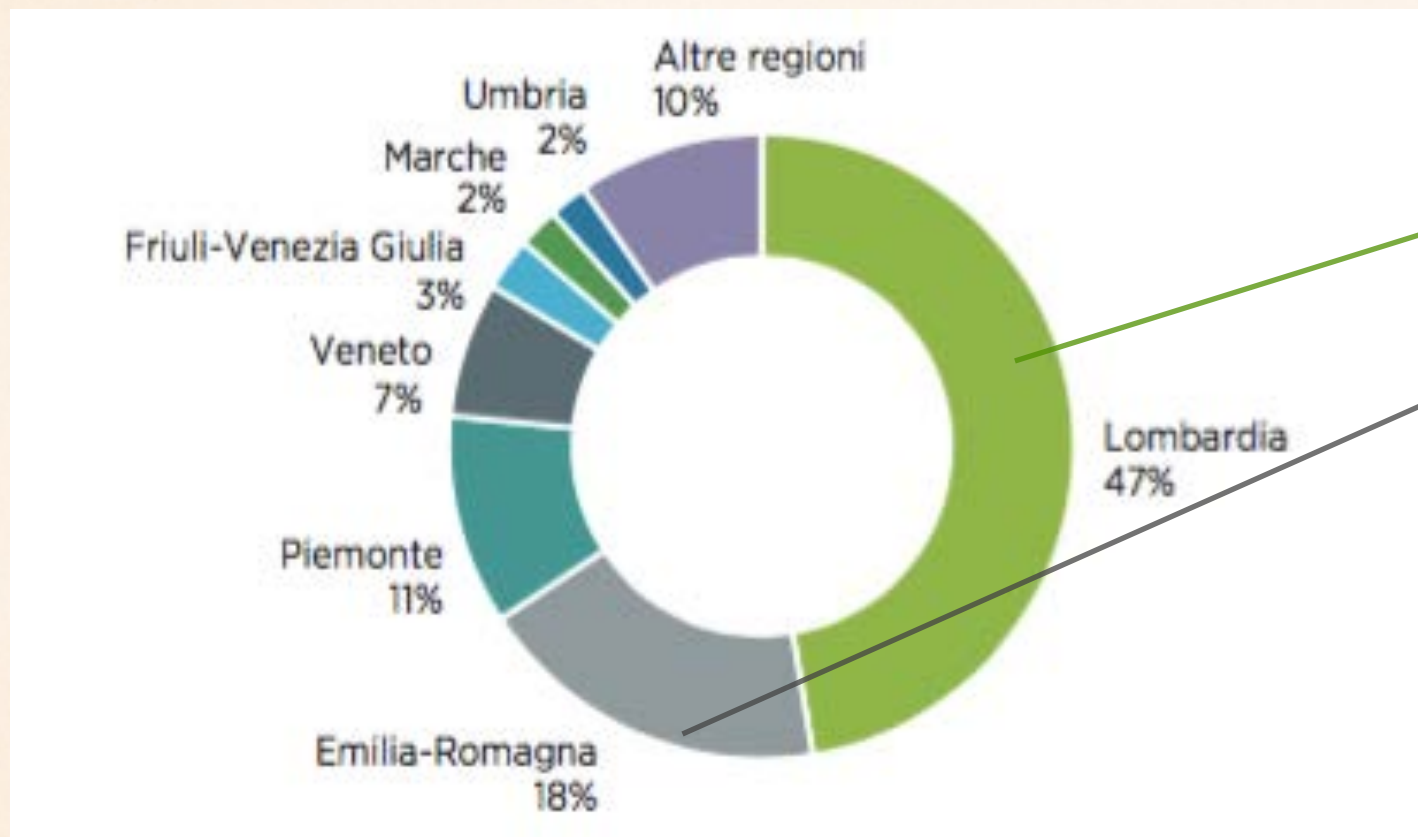


# PERCENTAGE OF FARM ANIMAL SPECIES THROUGHOUT ITALY

		North	Middle	South
		65	8	27
		86	7	7
		9	19	72
		41	26	33



# REGIONAL DISTRIBUTION OF PIGS BRED IN ITALY



# MAIN DIFFERENCES BETWEEN AMERICAN AND ITALIAN RADIOLOGY SERVICE IN VETERINARY TEACHING HOSPITAL

- ★ Shortage of staff

- ★ ROLE OF TECHNICIANS

In Italy **veterinary support personnel** do not hold any official state recognition.

- ★ STUDENTS are essentially observer

- ★ Owners admitted on US rooms and sometimes on RX

- ★ Animals almost never sedated



# REFERENCES

- Almalaurea. Condizione occupazionale dei laureati.  
Indagine 2015
- Rapporto Nomina 2014. Prospettive future
- The AVMA Biennial Economic Survey 2013



Piazza Garibaldi, Downtown, Parma



# Thank you for your attention

