

Increasing trends hepatitis E observed in hospital registries data. Spain 1997-2015

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Background

- ✓ Hepatitis E cause of acute viral hepatitis worldwide.
- ✓ Genotype 1 in low income countries
- ✓ Genotype 3 in high income countries.
Zoonotic, linked to contaminated pork consumption.

Background

- ✓ Royal Decree 2210/1995
Establishment of the Spanish
Epidemiological Surveillance Network
 - Mandatory diseases system
 - Outbreak system
 - Microbiological information system
 - *Hospital discharge records*
- ✓ Ministerial Decree SSI/445/2015

Background

Epidemiological Surveillance

Ongoing Collection of data



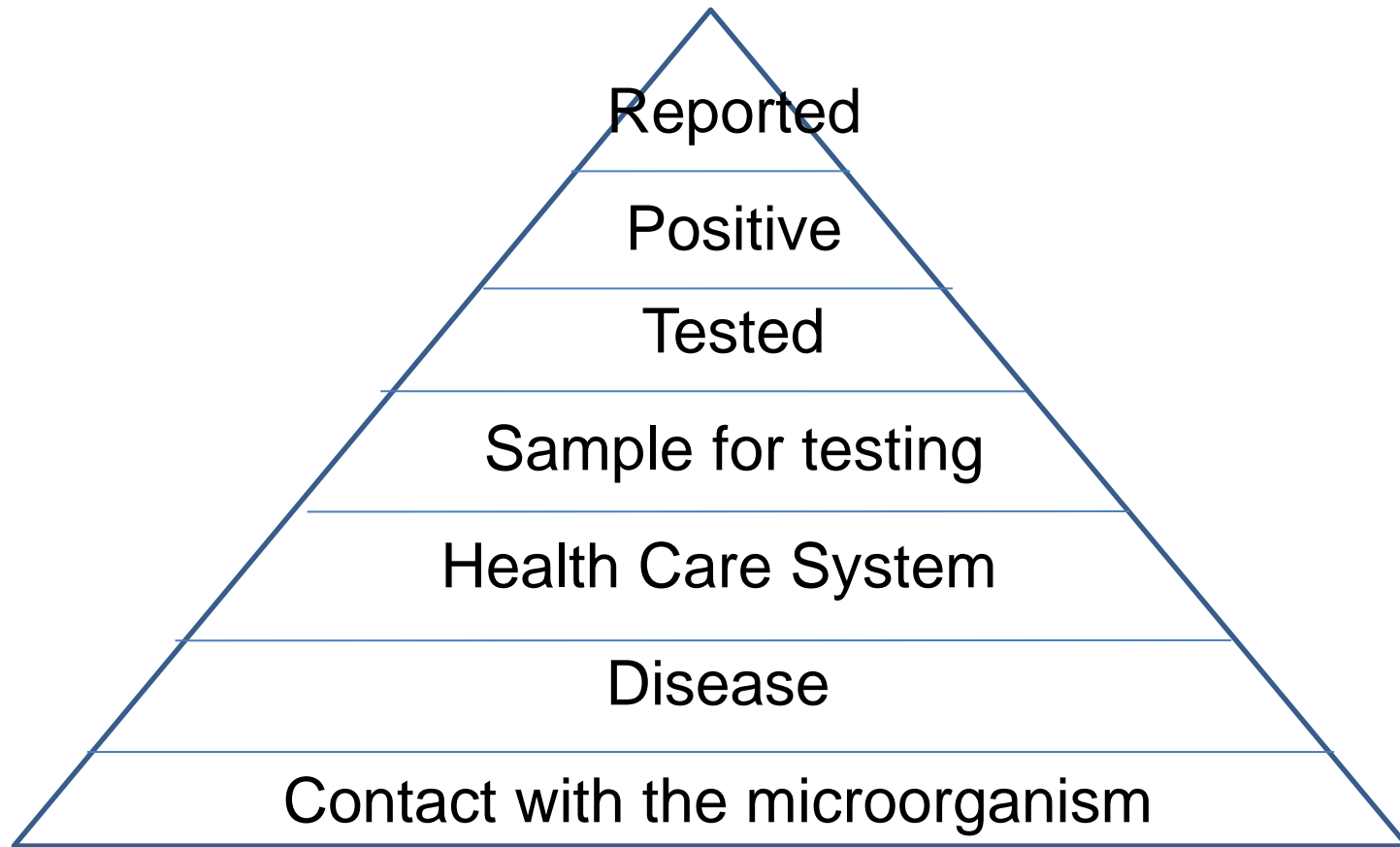
Data analysis



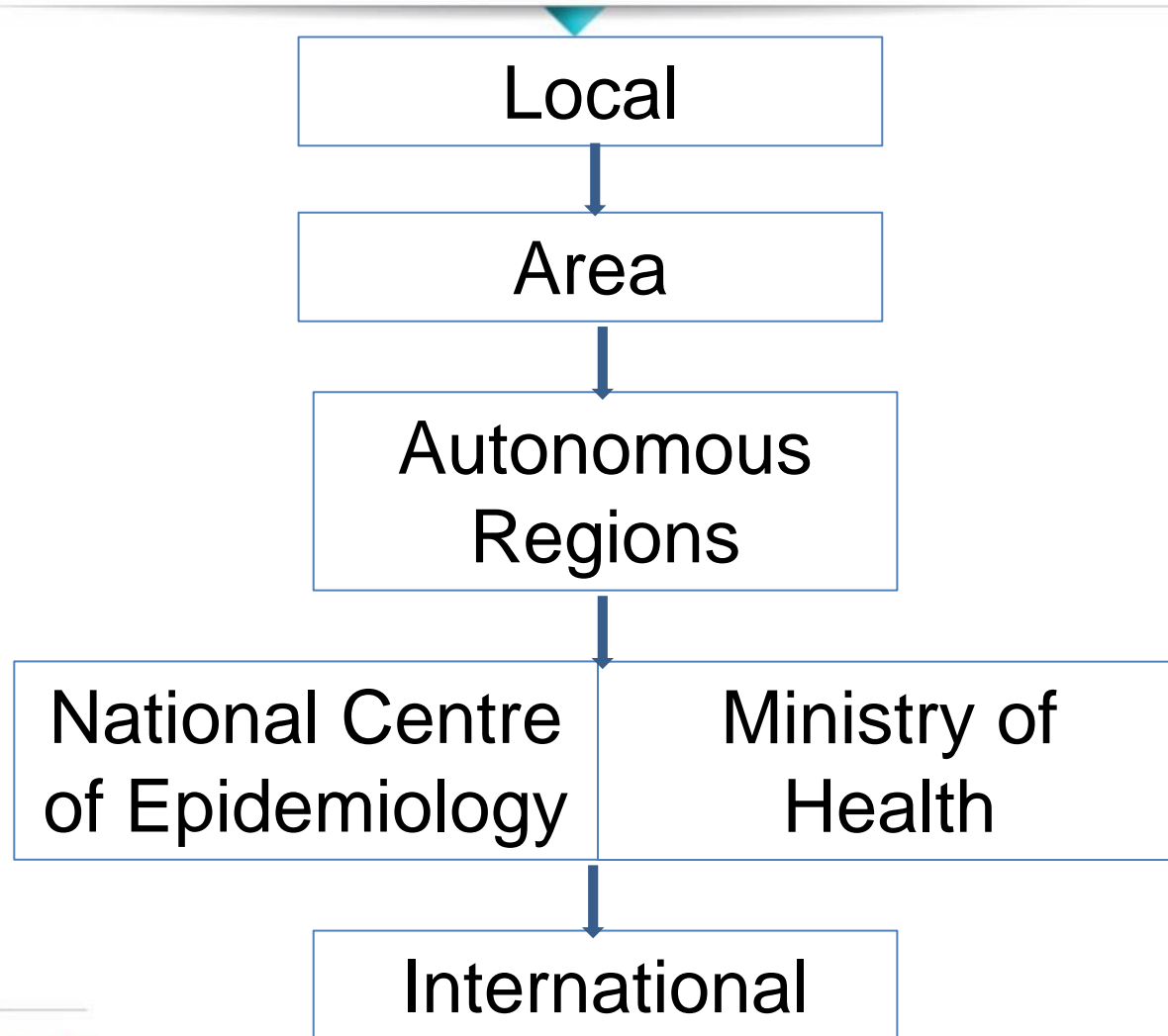
Information dissemination

Decision making

Background



Background



Objective

- ✓ Describing the epidemiological characteristics of hepatitis E cases in Spain

Methods

- ✓ Descriptive study
- ✓ Data sources
 - Outbreak system. 2002-2017 (Spanish Epidemiological Surveillance Network)
 - Basic Minimum Set of Data of Hospitalization. 1997-2015
 - International Classification of Diseases 9th revision: 070.43 hepatitis E with hepatic coma
070.53 hepatitis E without mentioning hepatic coma

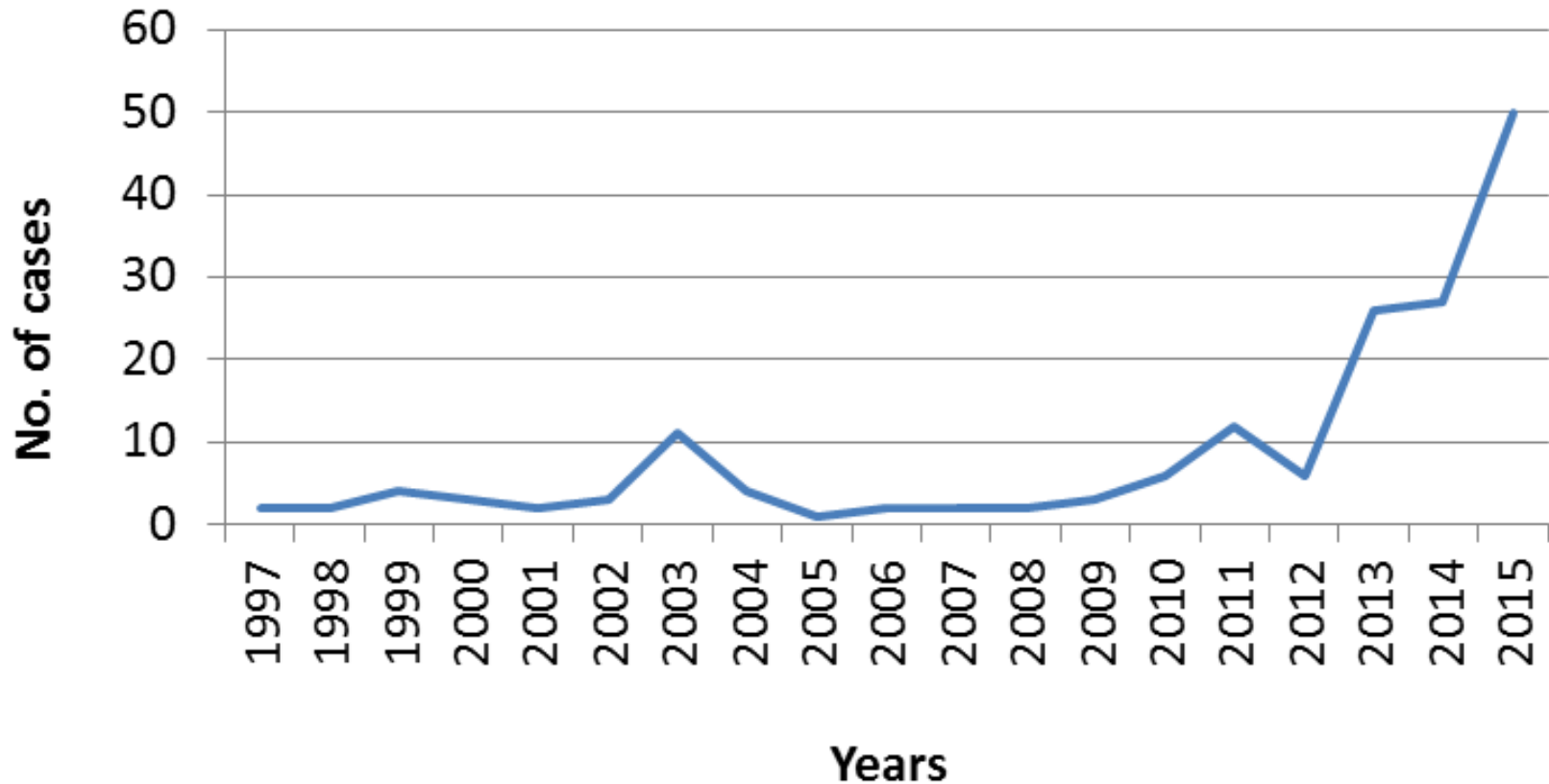
Results

- ✓ 1 family outbreak
- ✓ Onset of symptoms: June 2010
- ✓ 2 cases: males, 16 and 42 years old
- ✓ 1 case hospitalized
- ✓ Travel history to Pakistan

Results

Hospital discharge hepatitis E

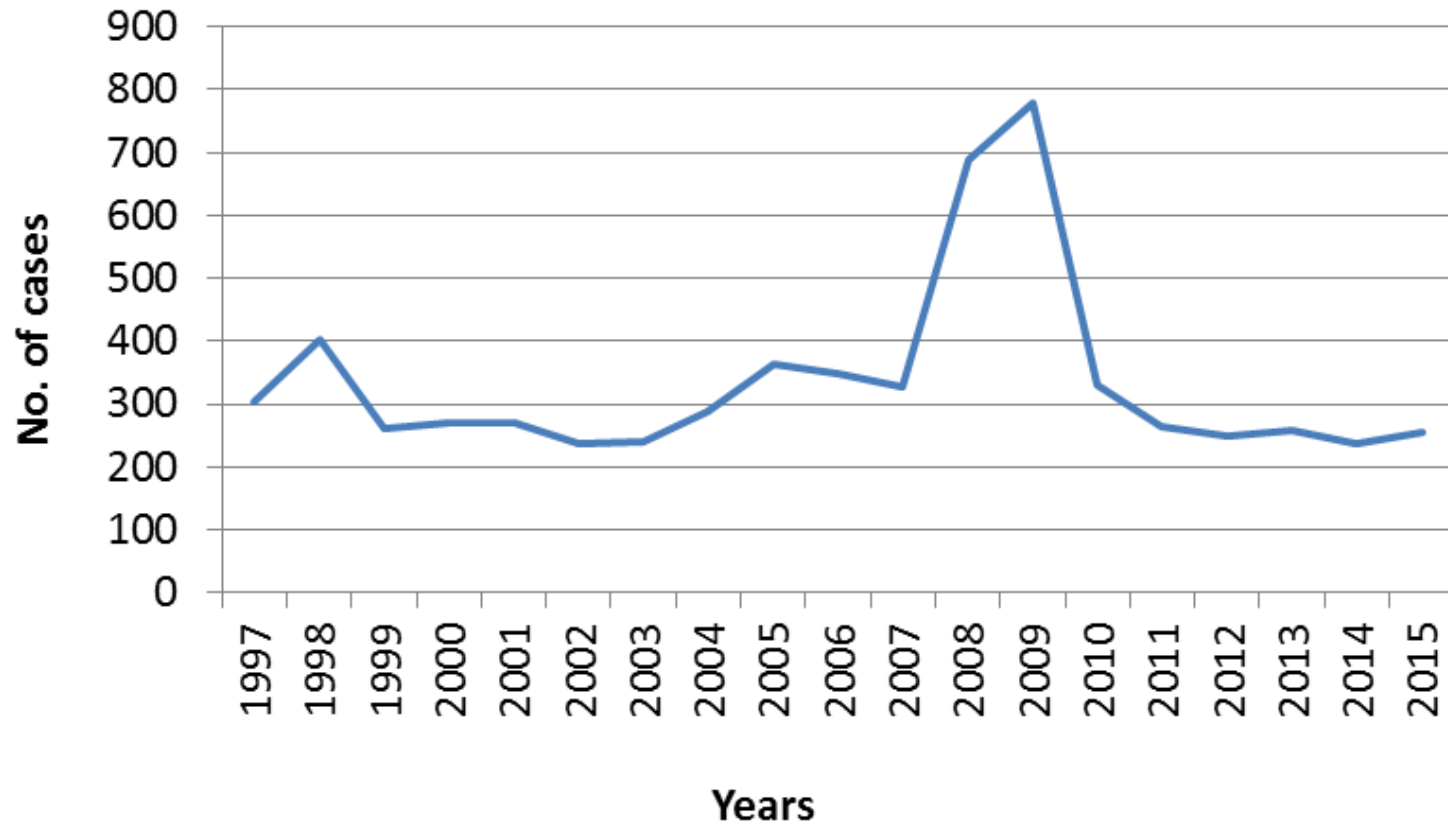
N=168



Source: Ministerio de Sanidad, Servicios Sociales e Igualdad. Instituto de Información Sanitaria. Registro de altas – CMBD
Centro Nacional de Epidemiología

Results

Hospital discharge hepatitis A

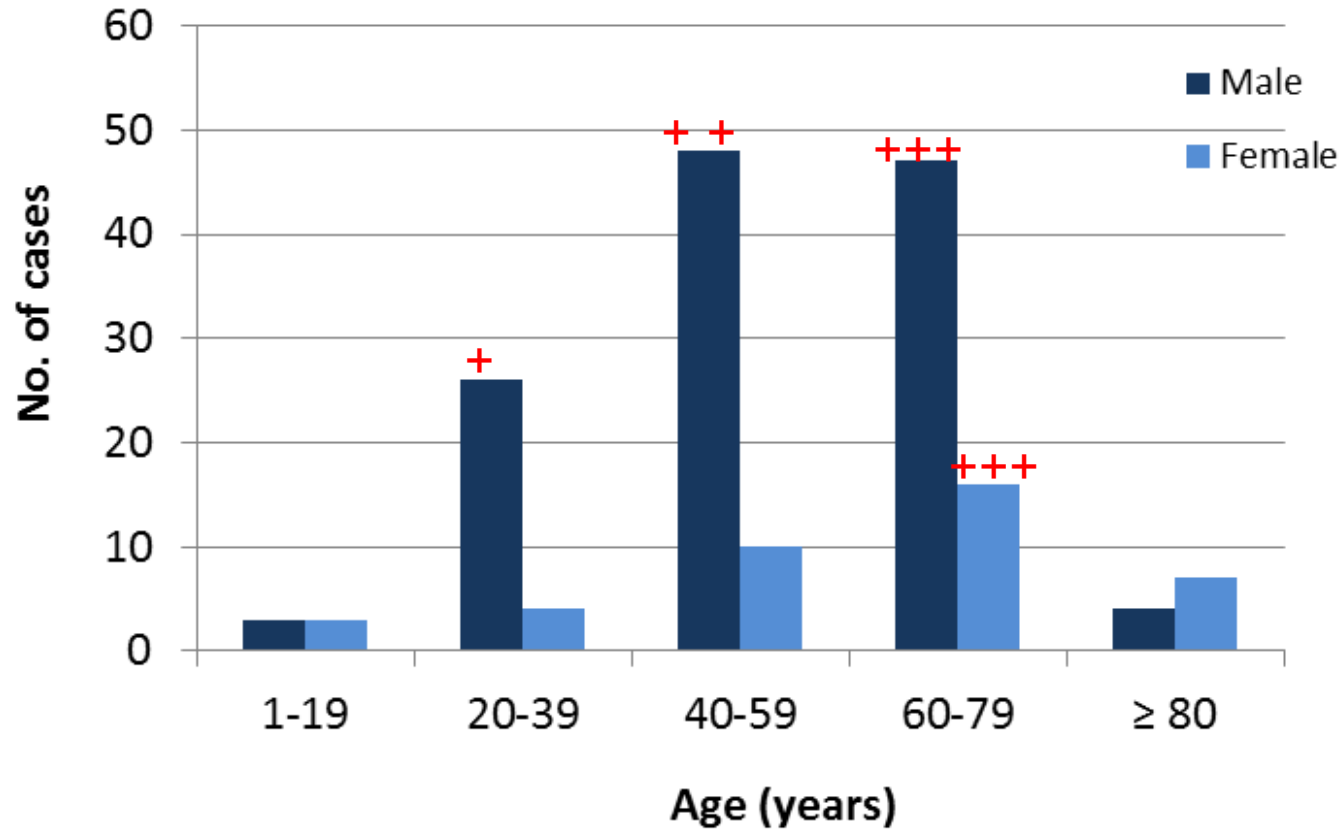


Source: Ministerio de Sanidad, Servicios Sociales e Igualdad. Instituto de Información Sanitaria. Registro de altas – CMBD
Centro Nacional de Epidemiología

Results

Hospital discharge hepatitis E

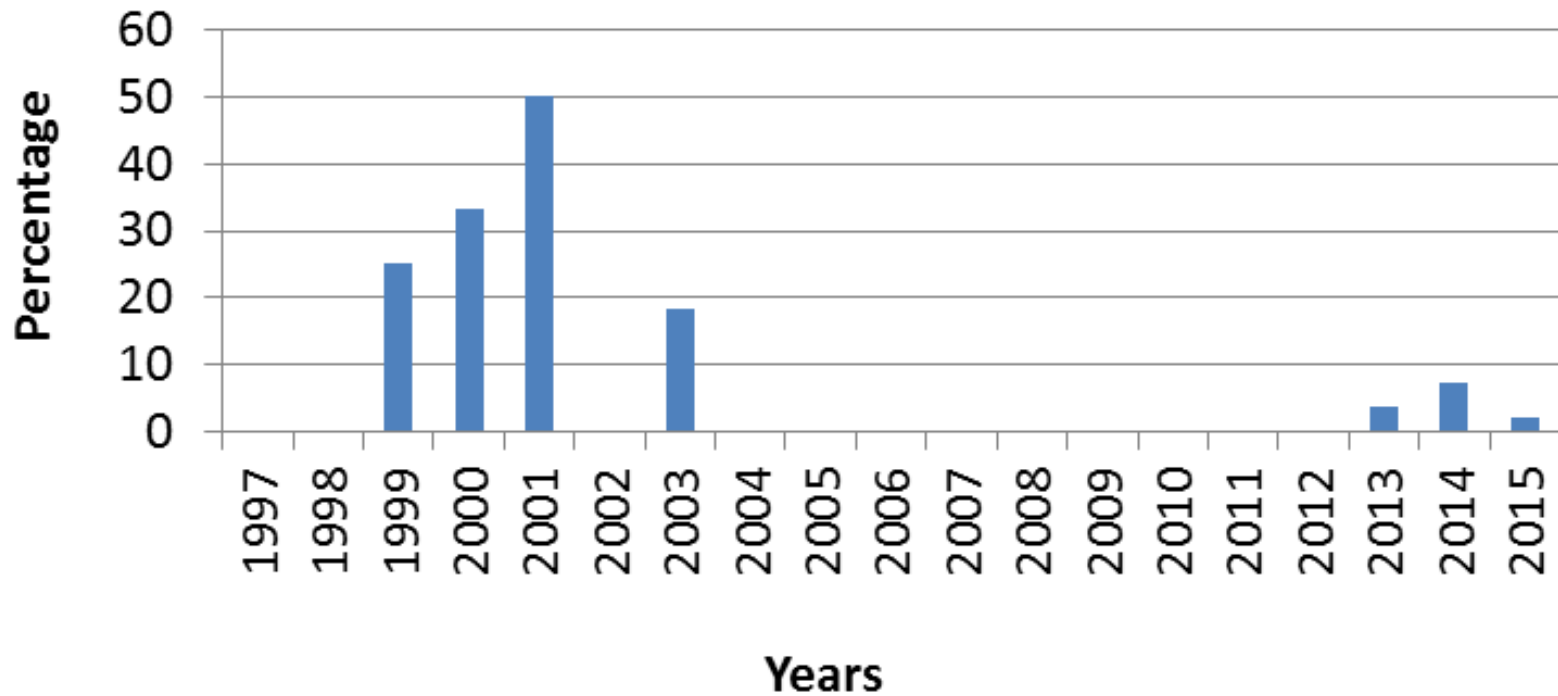
N=168



Source: Ministerio de Sanidad, Servicios Sociales e Igualdad. Instituto de Información Sanitaria. Registro de altas – CMBD
Centro Nacional de Epidemiología

Results

Hospital discharge hepatitis E cases Case Fatality Ratio

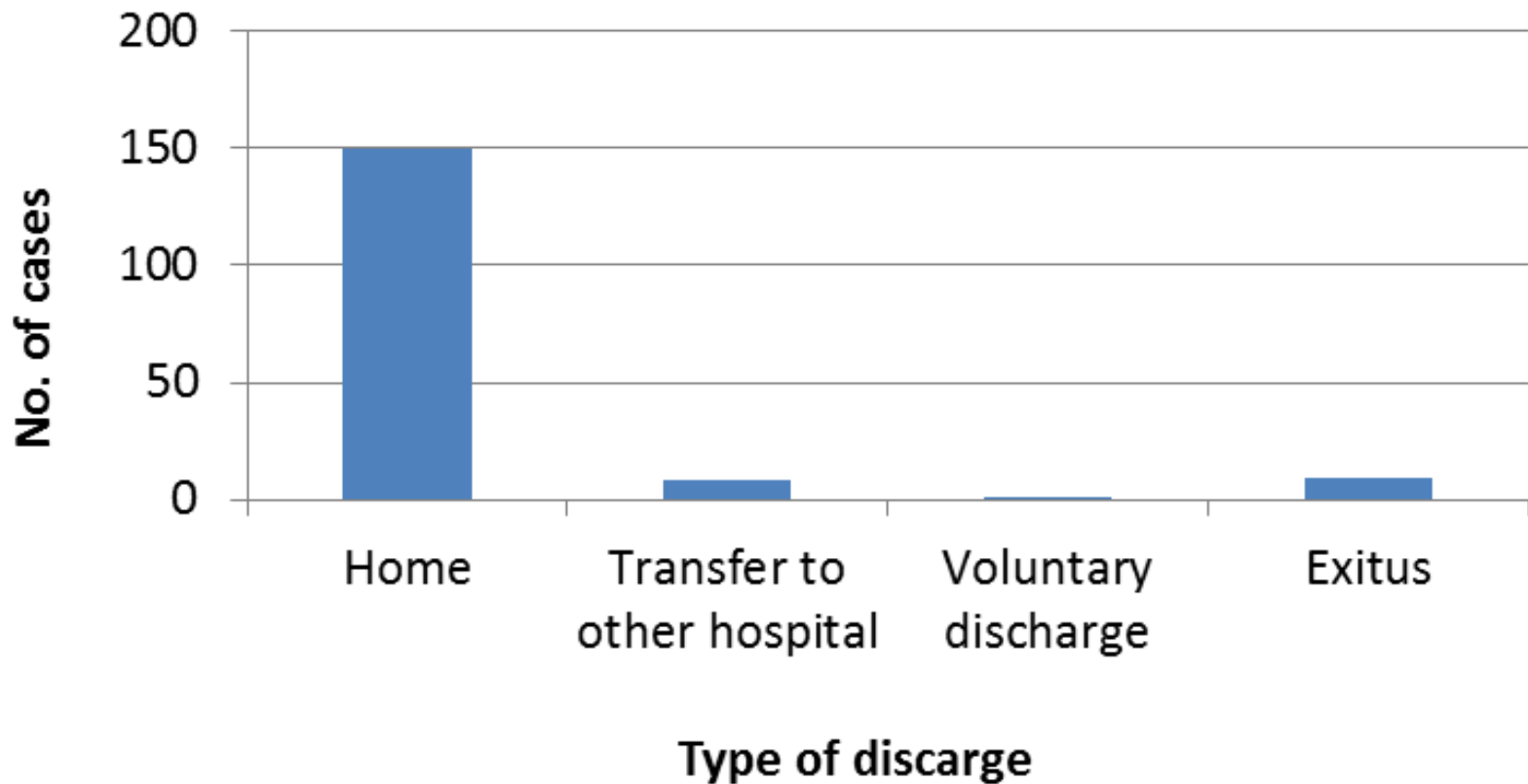


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Results

Hospital discharge hepatitis E

N=168



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Conclusions

- ✓ Hospitalized registered hepatitis E cases have increased from 2013
- ✓ Cases were mainly adult males

Recommendations

- ✓ To study the prevalence and risk factors of hepatitis E
 - Specific questionnaire for hepatitis E cases
 - Microbiological characterization



Thank you for your attention!