

Monkeypox Outbreak in Andalusia a Socioeconomical Approach

Valme del Río García

MIR Medicina Preventiva y Salud Pública

Servicio de Vigilancia y Salud Laboral – Consejería de Salud y Consumo

e-contact: valme.rio.sspa@juntadeandalucia.es

Authors: Rodríguez García, C; del Río García, V; Serrano Ortiz, A; Vergara Díaz, MA; Lorusso, N



October 11-13, 2022 | Barceló Sevilla Renacimiento

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Declaration of Interest

The authors declare that they have no competing financial interests or personal relationships that could have appeared to influence the work reported in this presentation



BACKGROUND



- In May 2022, the **UK Health Security Agency** reported several cases of Monkeypox
- All these cases had **no history** of recent travel to endemic areas **or contact** with previously reported cases
- Since then, many countries have reported more than **20,248 confirmed** cases

- **July 12:** 2,447 confirmed MPX cases had been reported in Spain
- Appeared to be related to **specific sexual risk behaviors**, especially among MSM
- **A public health perspective:**
Characteristics of the affected population and whether it may be related to their socioeconomic level



METHODS



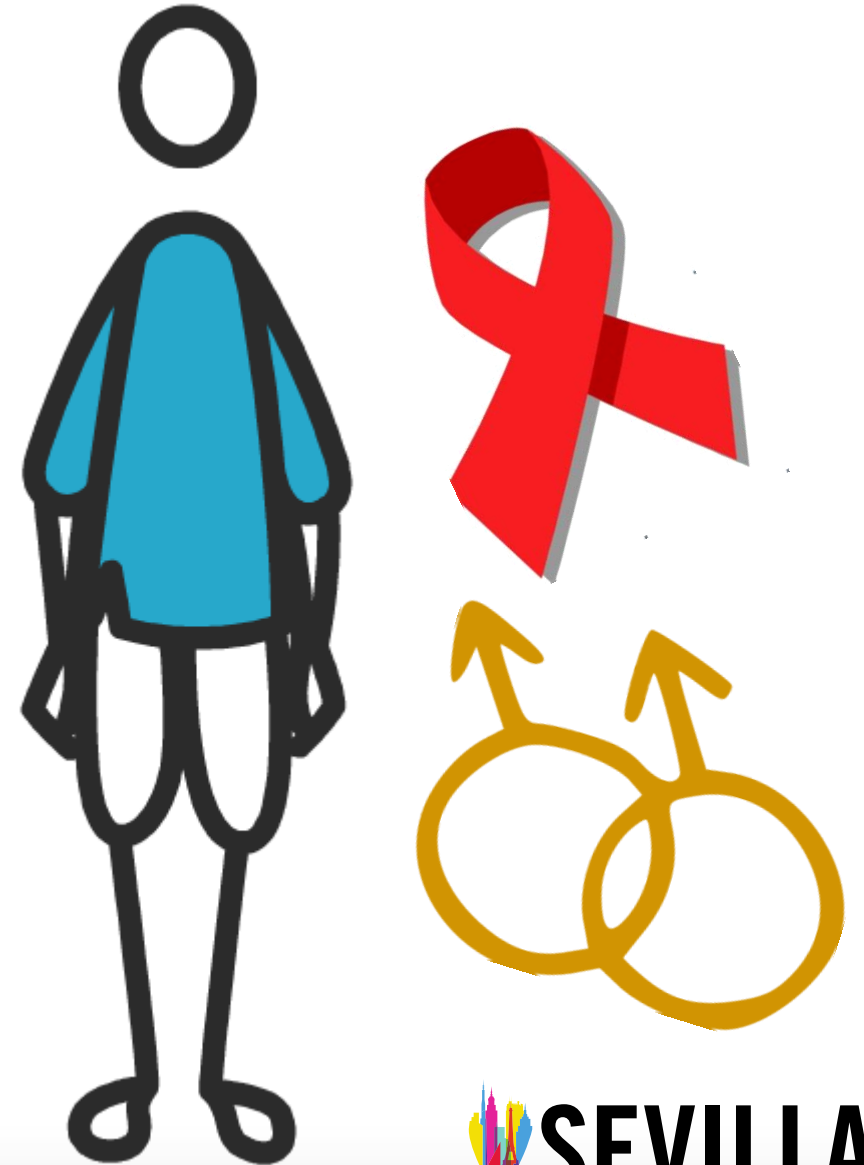


- **Cross-sectional study** of MPX cases in Andalusia as of July 12, 2022
- **Average income per person (API)** information was obtained with a census section disaggregation level
- **Incidence rates (IR)** were calculated by AIP and province, per 100,000 inhabitants and per 100,000 males aged 15-69 years (IRM)



On July 12, 232 Monkeypox cases
had been reported in Andalusia

- 228 were men (98%)
 - 219 declared MSM practices (96%)
 - 92 were HIV co-infected (42%)





The provinces with the highest IR were:

Malaga

- IR: 7.61
- IRM: 20.63

Granada

- IR: 3.04
- IRM: 8.38

Seville

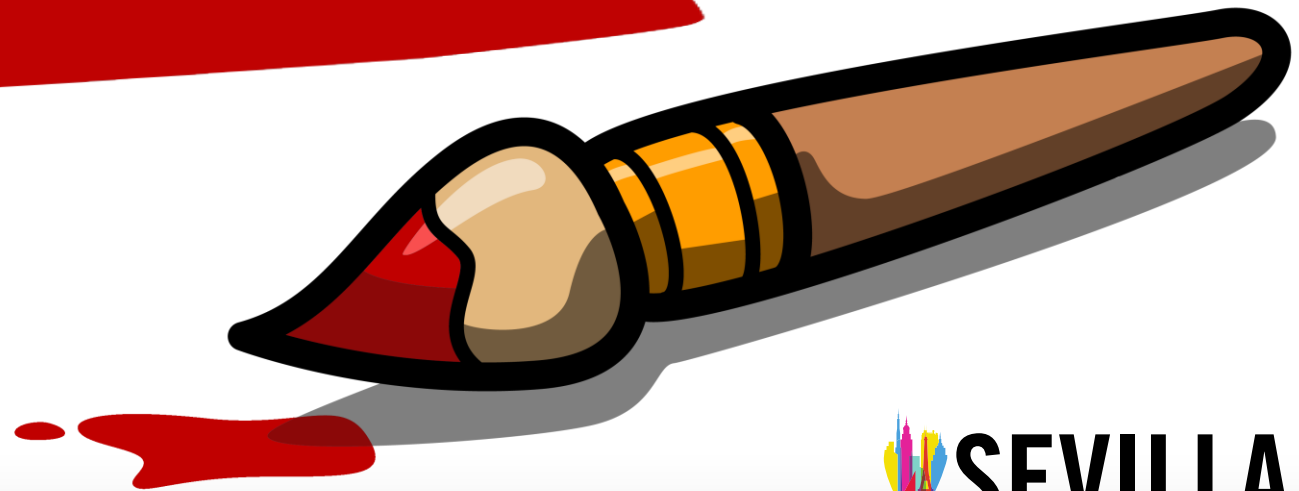
- IR: 1.80
- IRM: 5.04

Cases were categorized by quintiles, finding **52.59%** of them between **Q4-Q5**

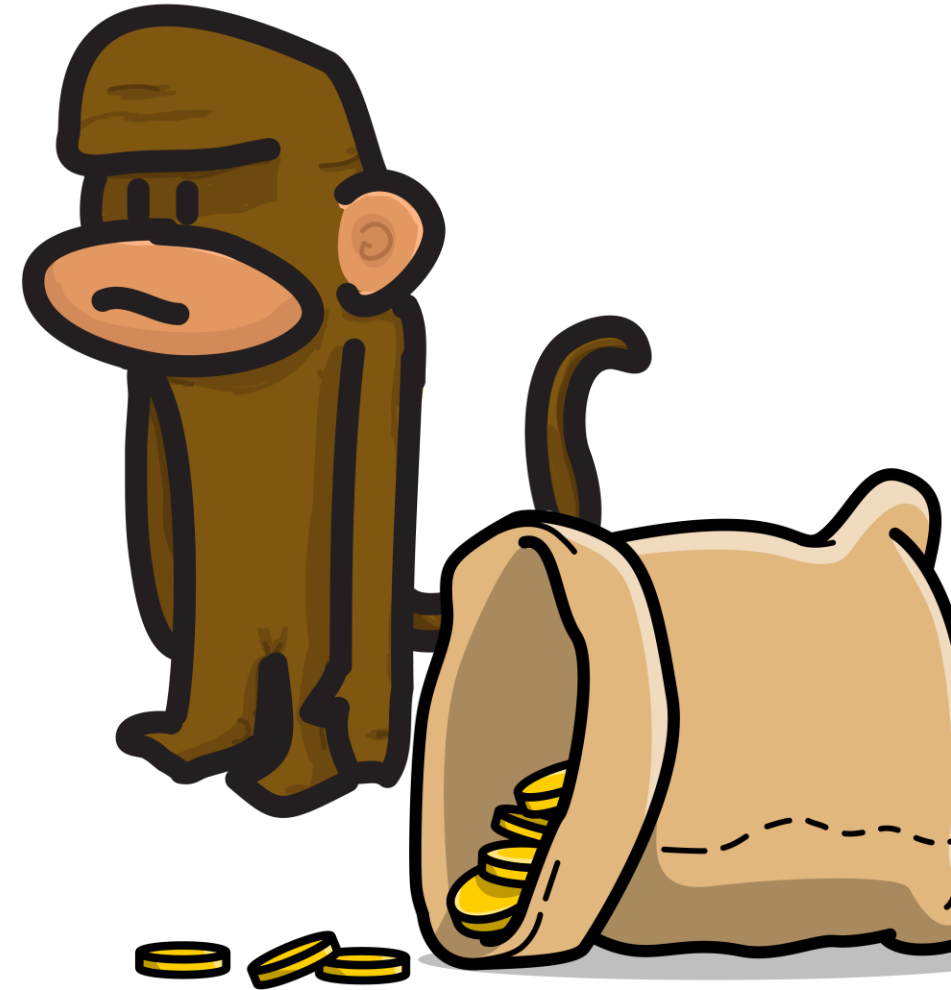
The rate ratio between **Q5/Q1** was **1.95**

Quintil (Q)	Average Income per Person	MPX Cases	Percentage	Crude Rate	Rate Ratio
Q1	[4,053€ - 8,233€]	34	14.66%	2.00	1.00
Q2	(8,233€ - 9,072€]	37	15.95%	2.19	1.09
Q3	(9,072€ - 10,017€]	39	16.81%	2.29	1.14
Q4	(10,017€ - 11,924€]	57	24.14%	3.37	1.69
Q5	(11,924€ - 26,796€]	65	28.02%	3.91	1.95

CONCLUSIONS



- As of July 12, 2022, Monkeypox in Andalusia mainly affected MSM (94%)
- HIV prevalence in this subgroup was 42%
- Malaga, Granada and Seville were the provinces with the highest IR
- Unlike other diseases, incidence seemed to be directly proportional to a higher AIP



Thank you!

