



# Hepatitis B and C Surveillance in the WHO European Region

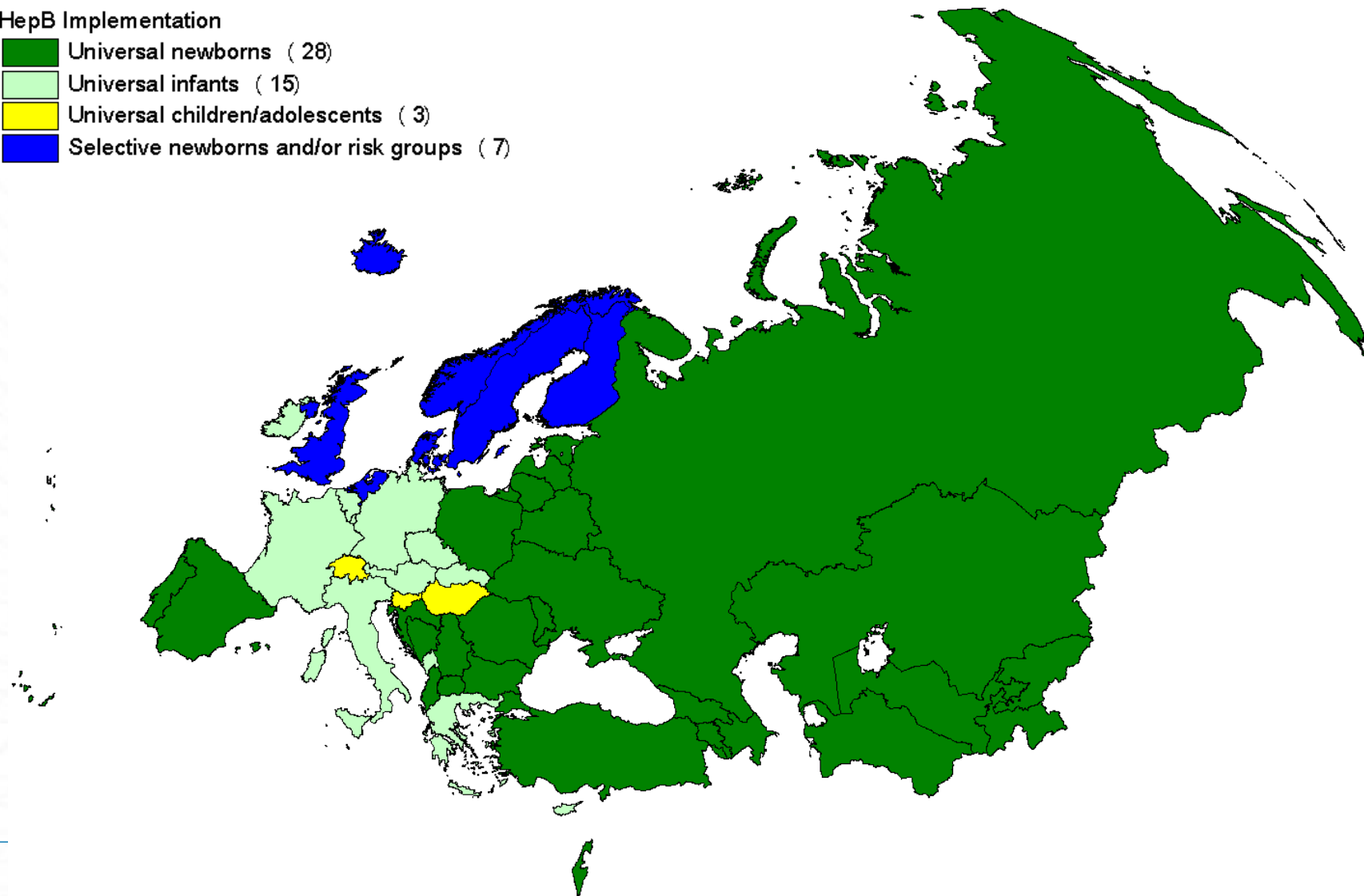
VHPB Budapest, 18-19 March 2010

David Mercer, Communicable Disease Unit, WHO Regional Office for Europe

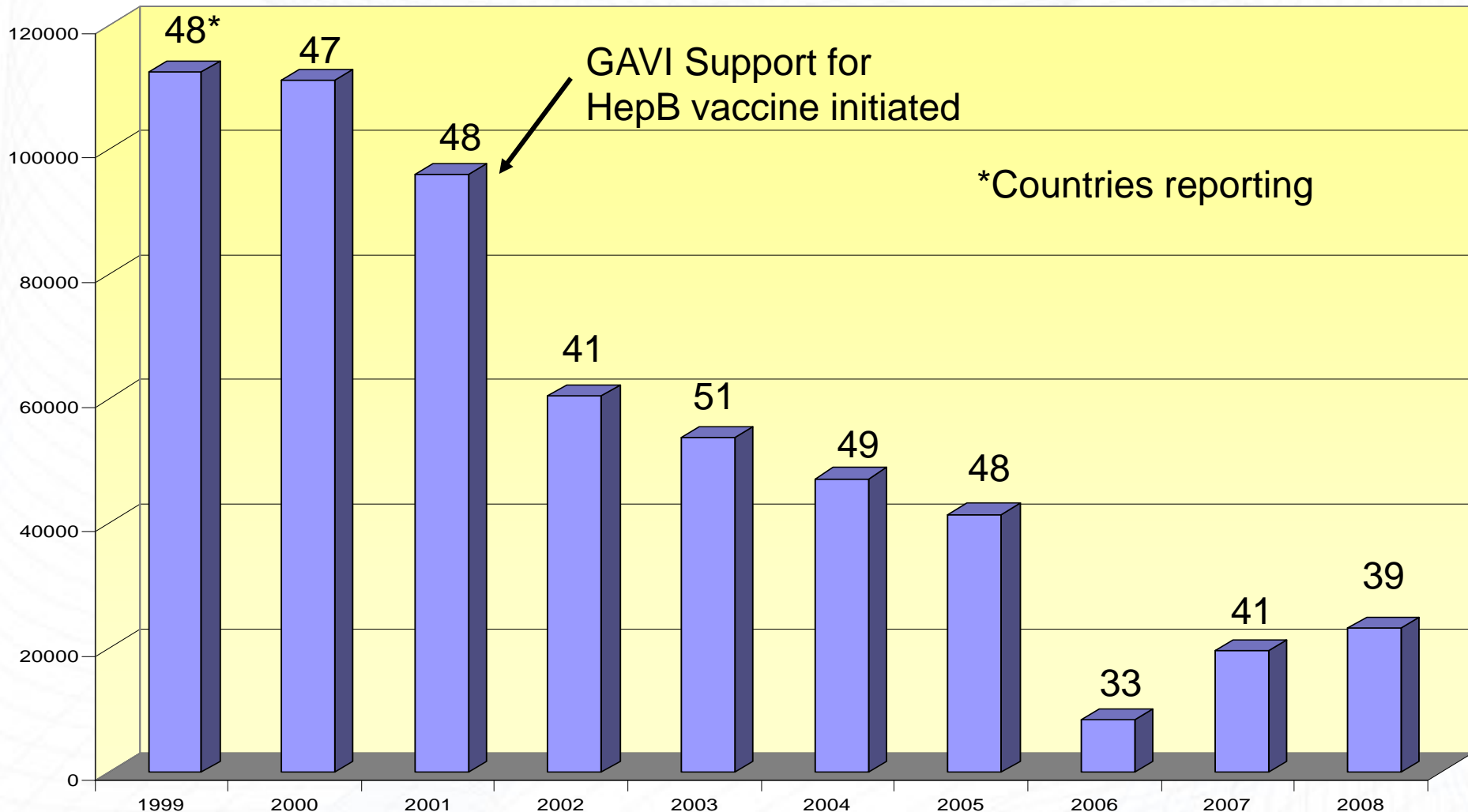
# Hepatitis B Immunization Policy

## HepB Implementation

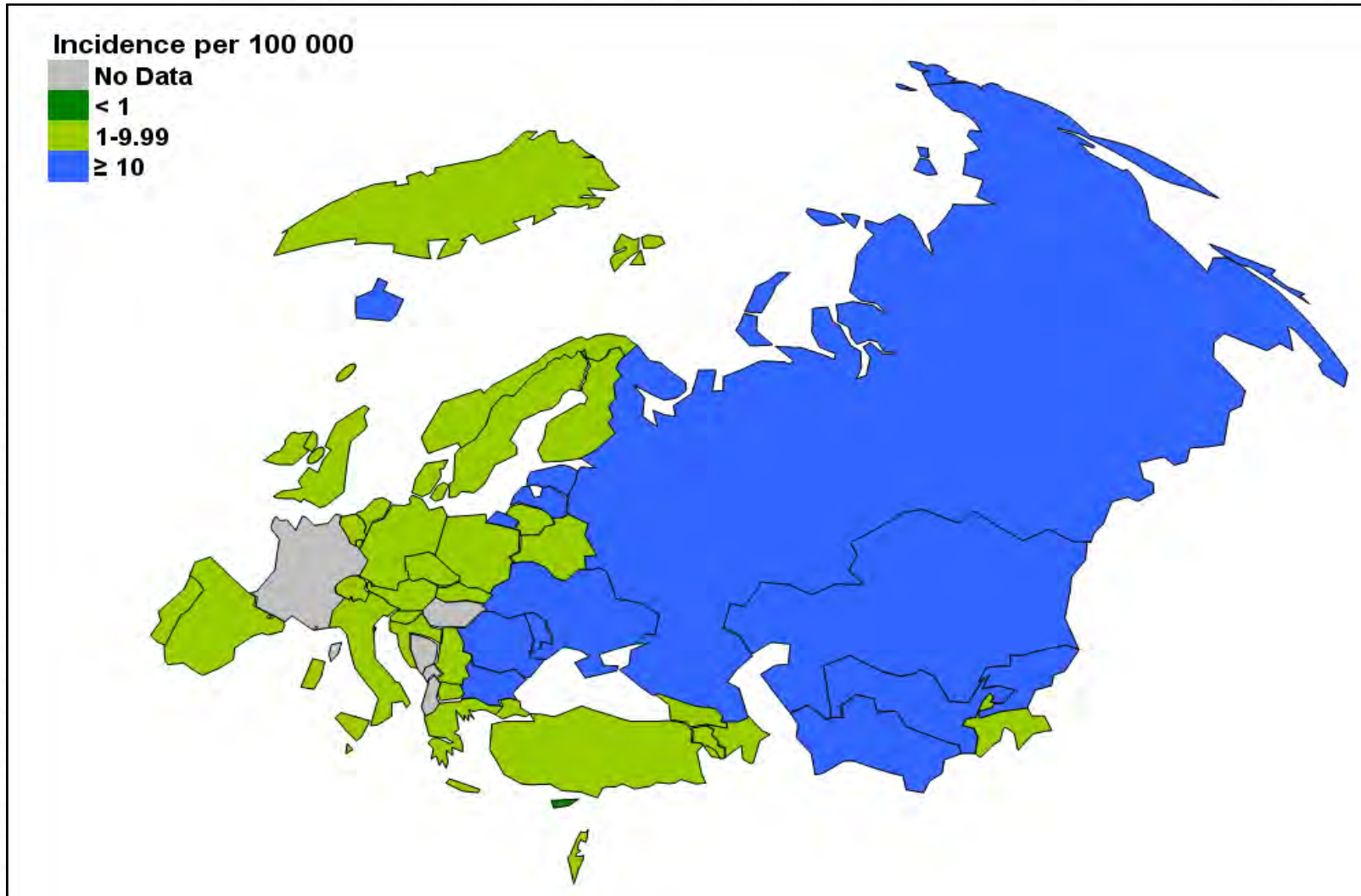
- Universal newborns ( 28)
- Universal infants ( 15)
- Universal children/adolescents ( 3)
- Selective newborns and/or risk groups ( 7)



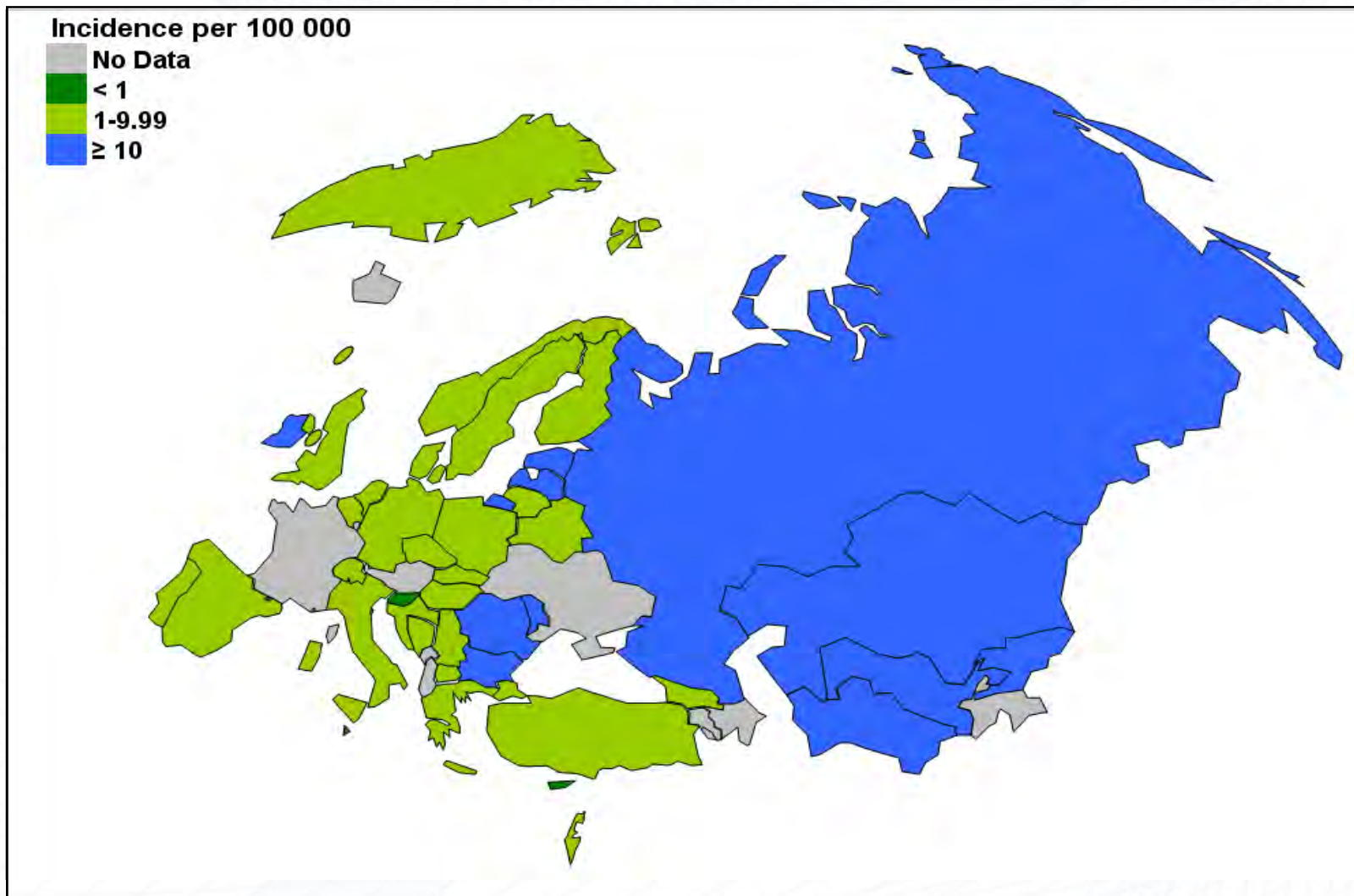
# Acute Hepatitis B Reported Cases, European Region



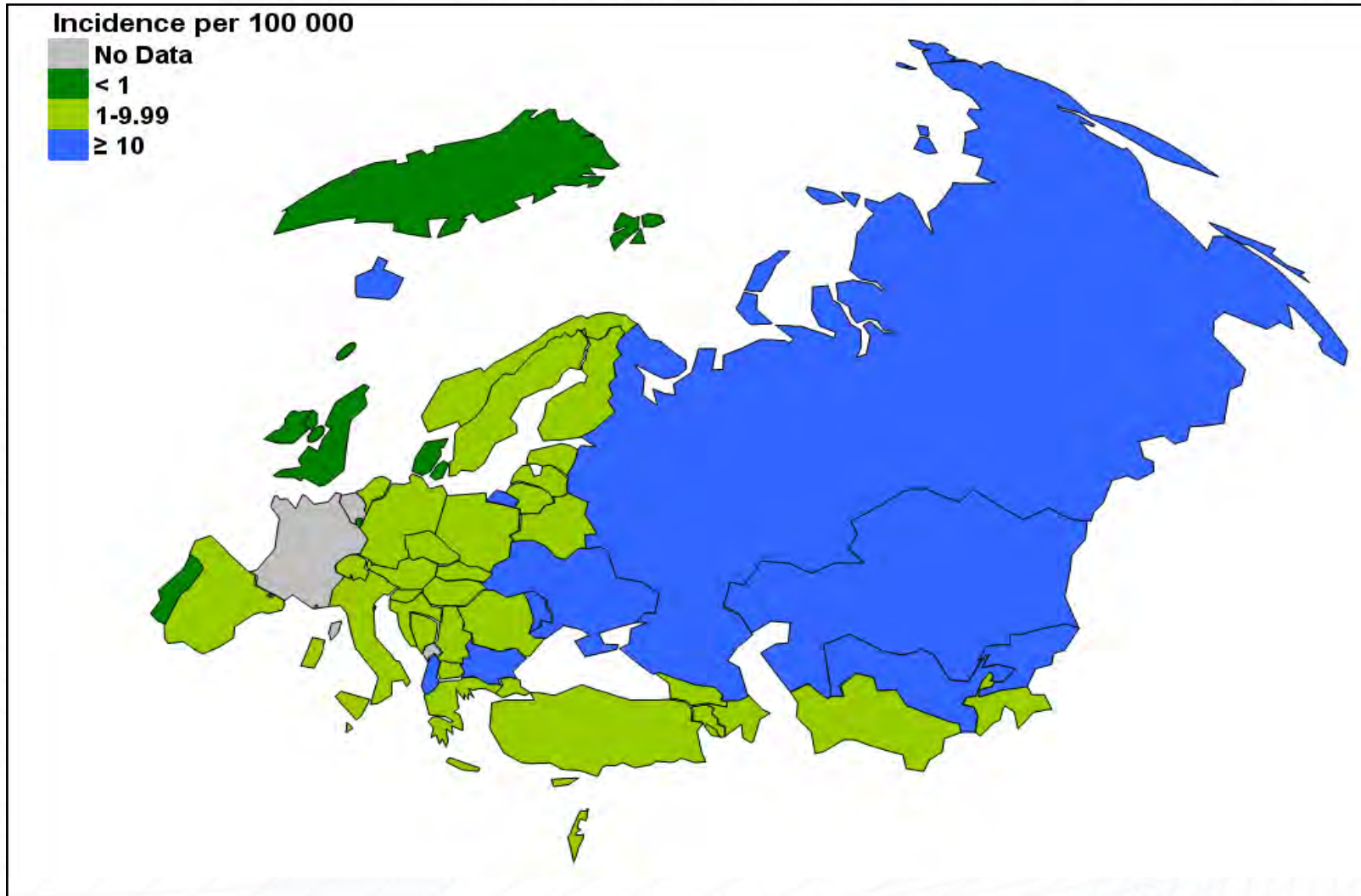
# Hepatitis B-Acute (Incidence per 100 000) WHO European Region, 2000



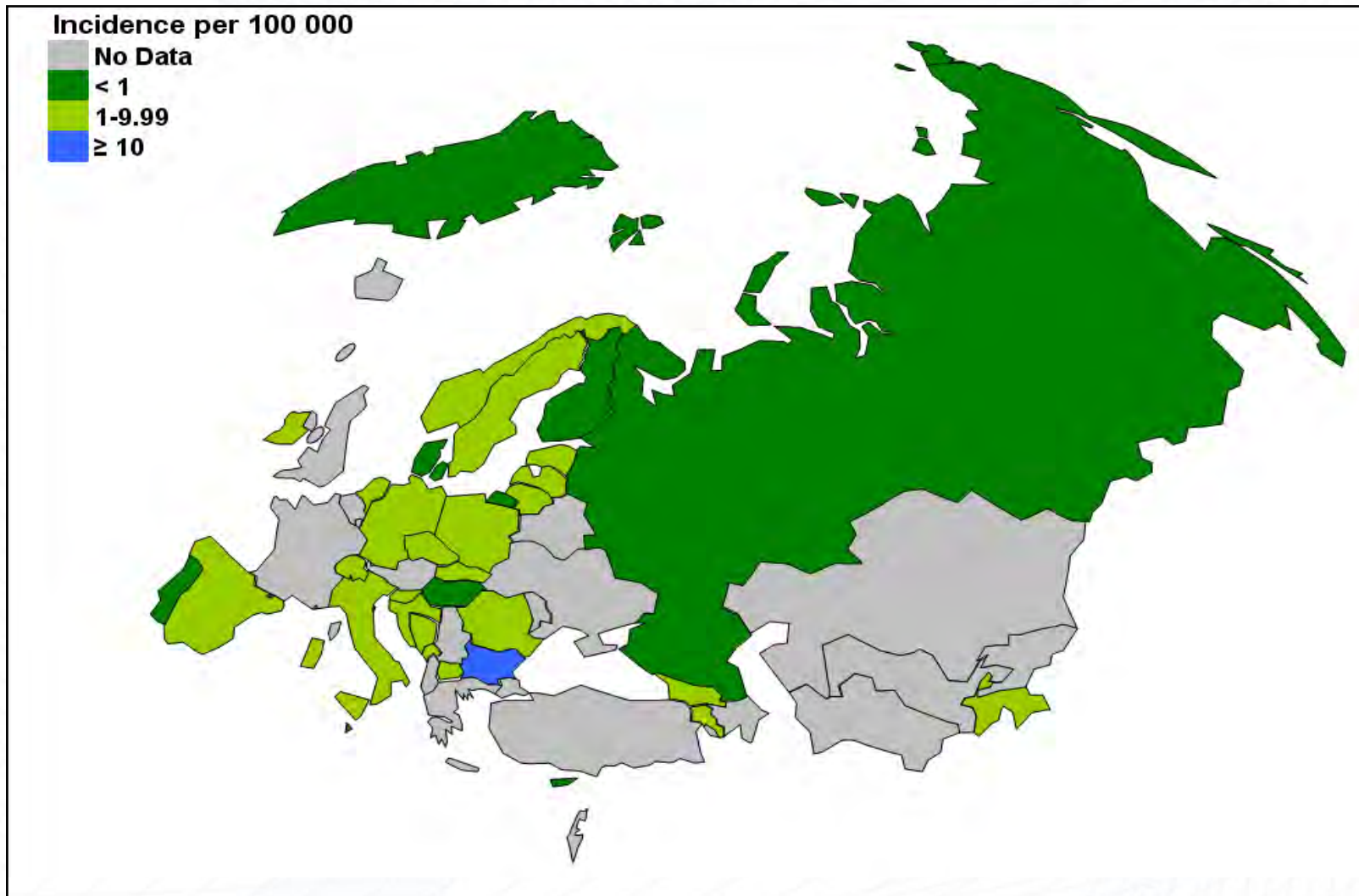
# Hepatitis B-Acute (Incidence per 100 000) WHO European Region, 2002



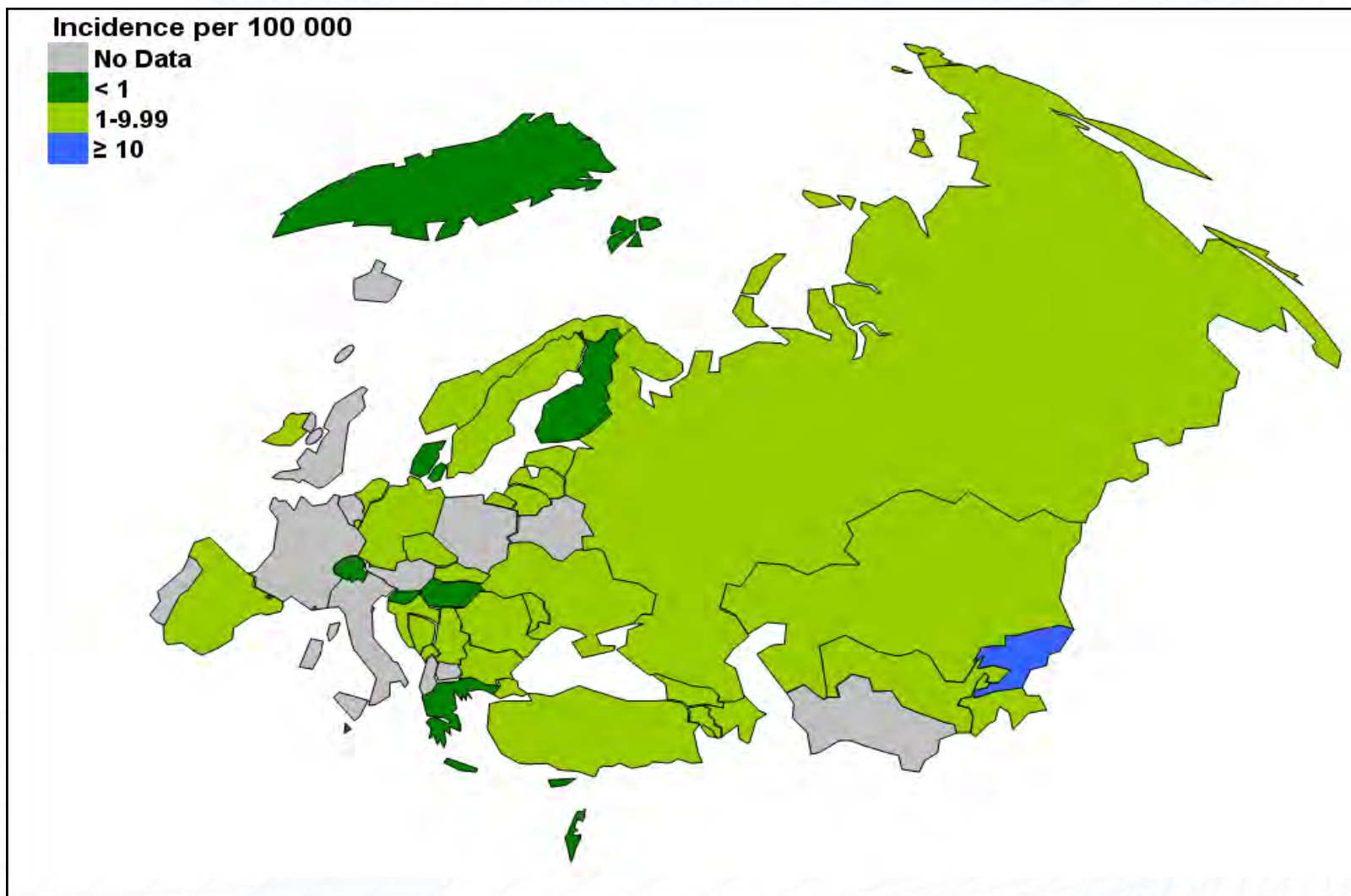
# Hepatitis B-Acute (Incidence per 100 000) WHO European Region, 2004



# Hepatitis B-Acute (Incidence per 100 000) WHO European Region, 2006

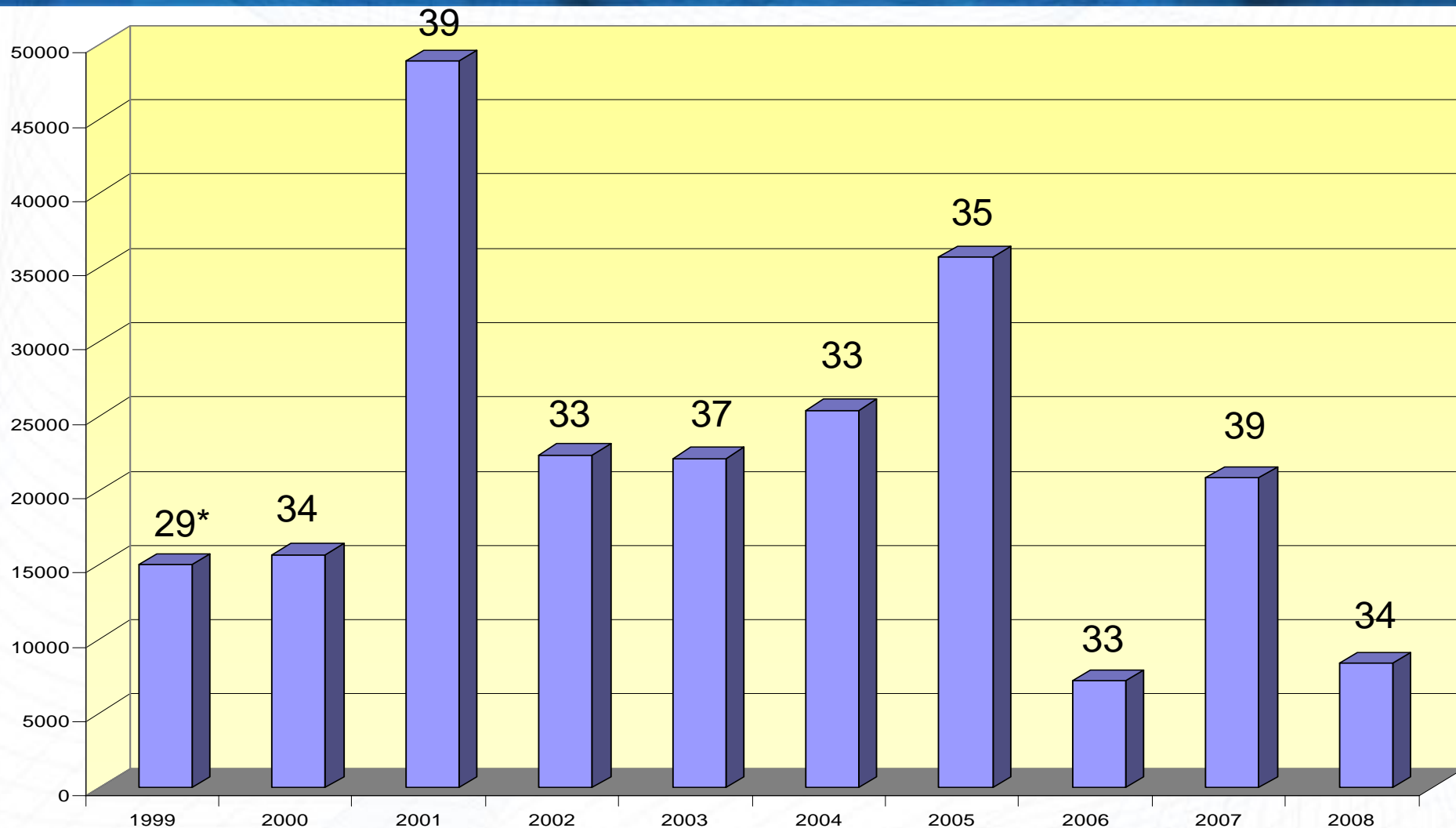


# Hepatitis B-Acute (Incidence per 100 000) WHO European Region, 2008



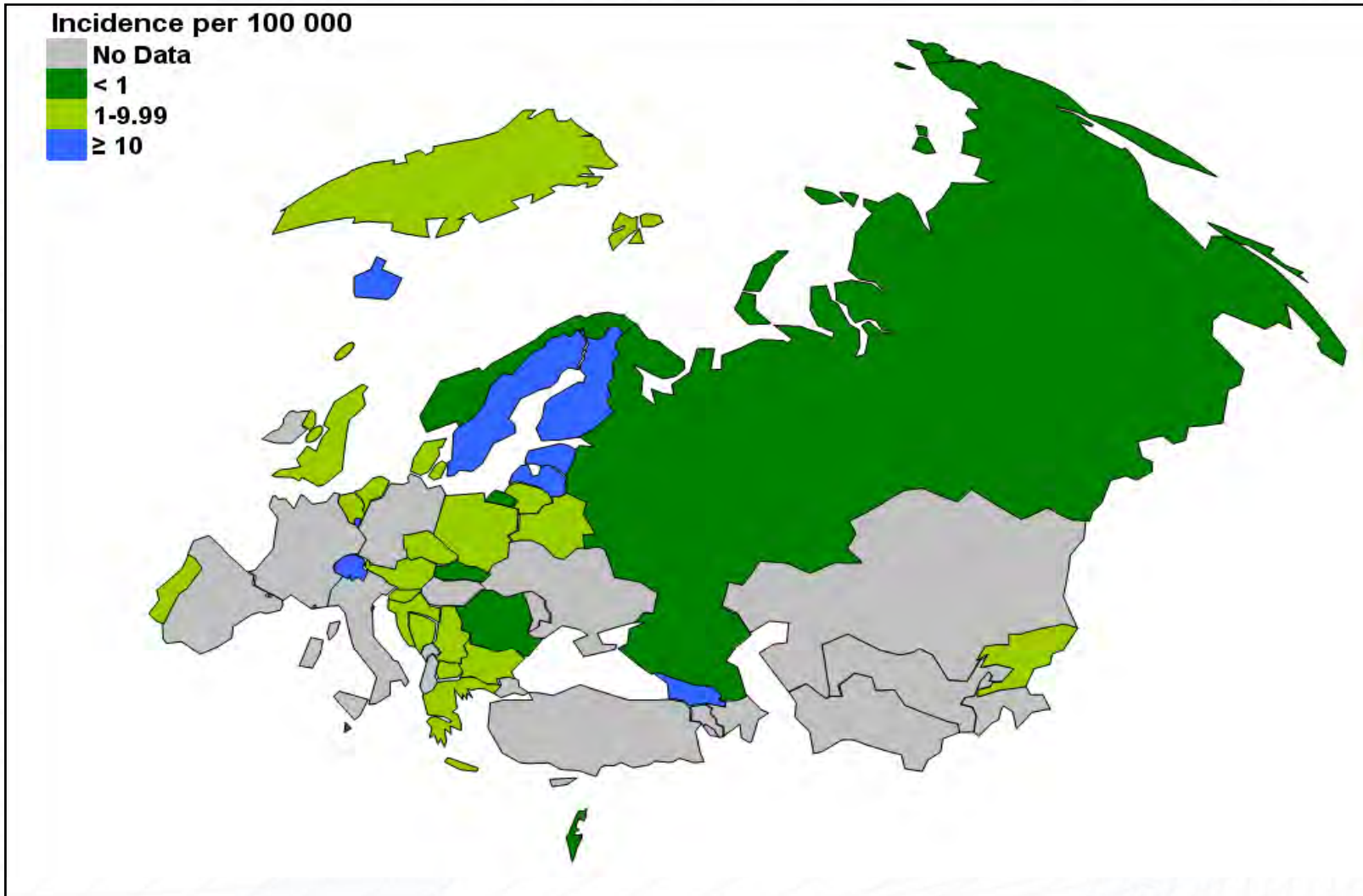


# Acute Hepatitis C Reported Cases, European Region

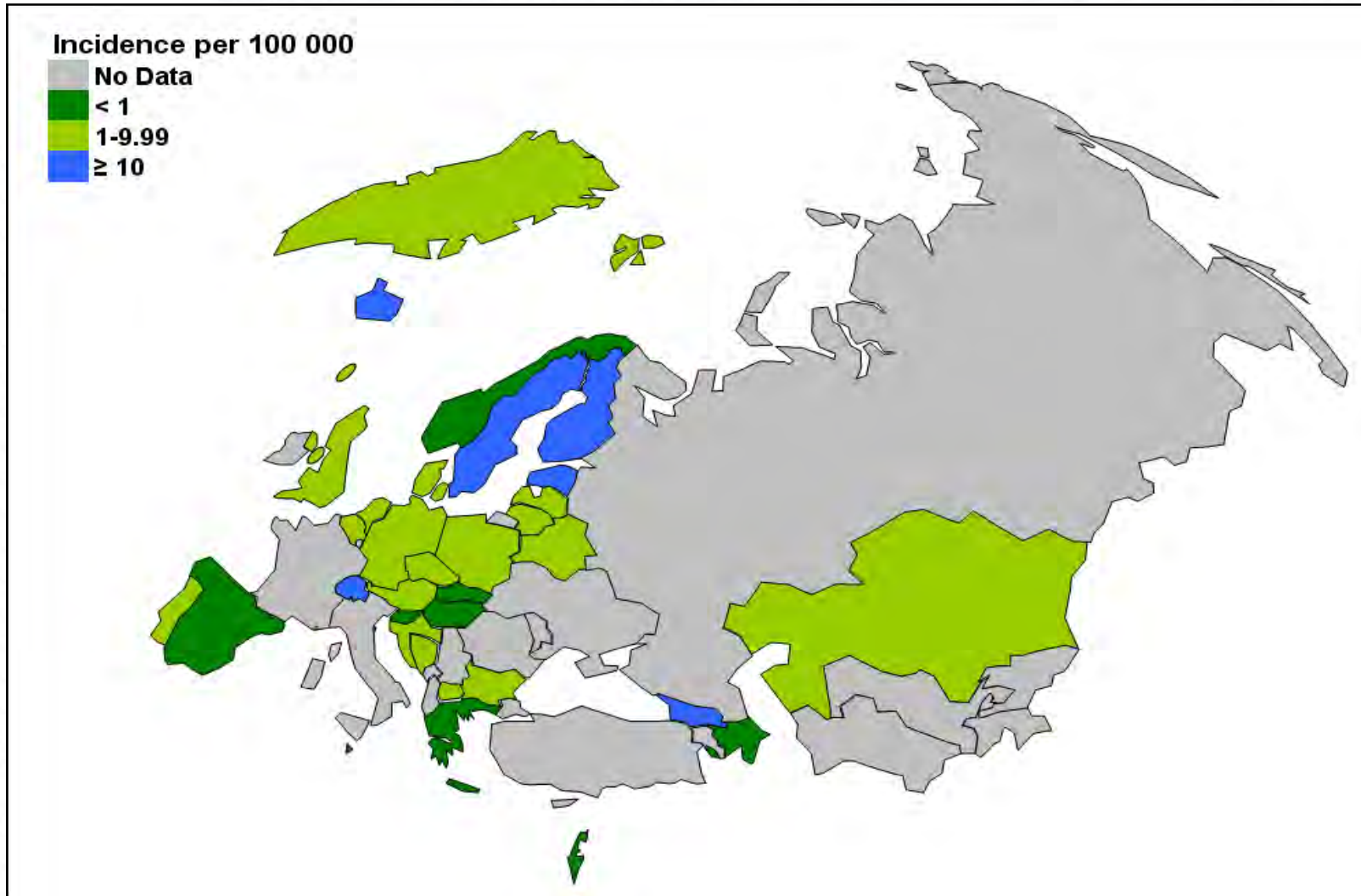


Source: WHO/UNICEF Joint Reporting Form

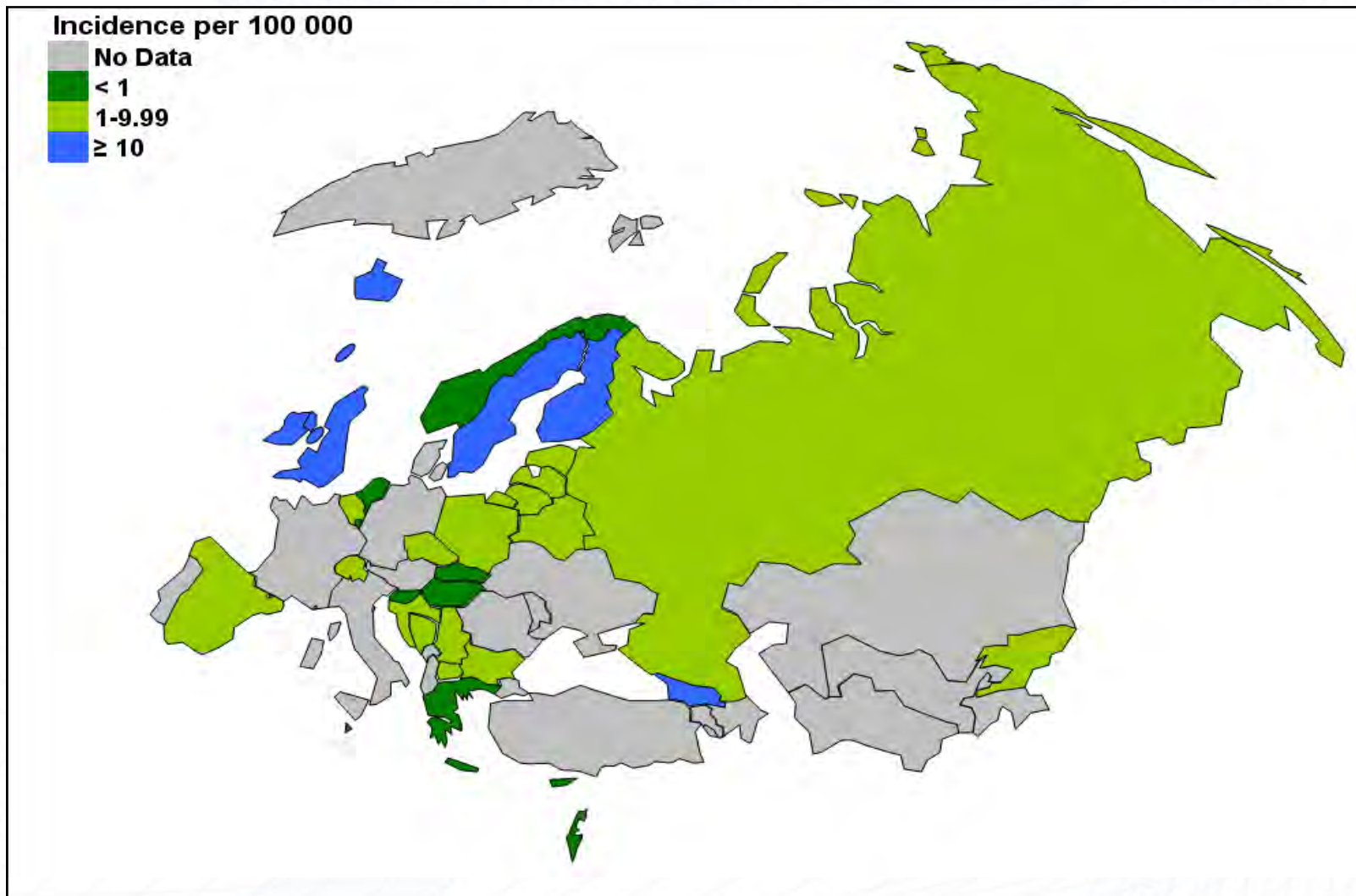
# Hepatitis C-Acute (Incidence per 100 000) WHO European Region, 2000



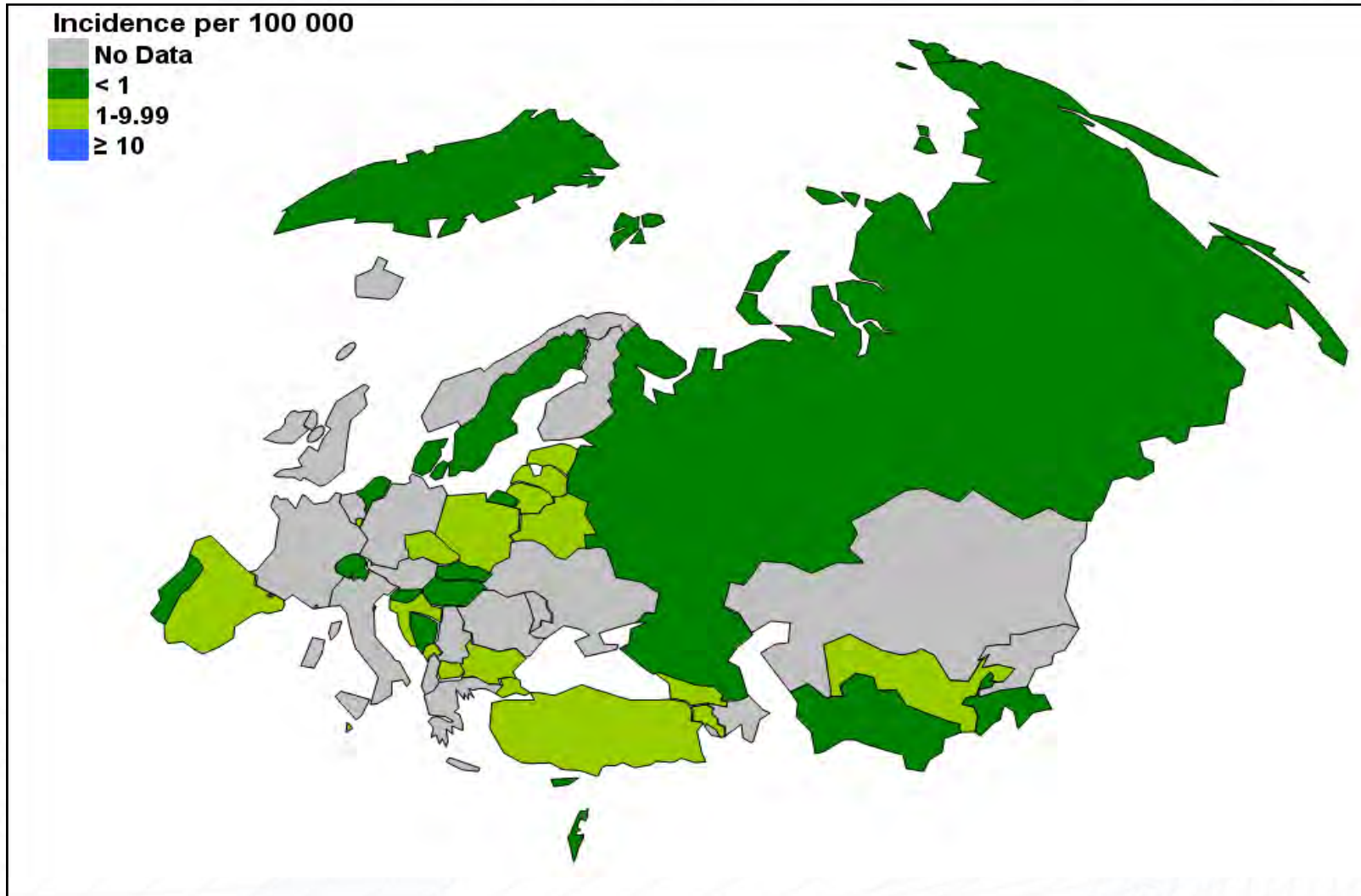
# Hepatitis C-Acute (Incidence per 100 000) WHO European Region, 2002



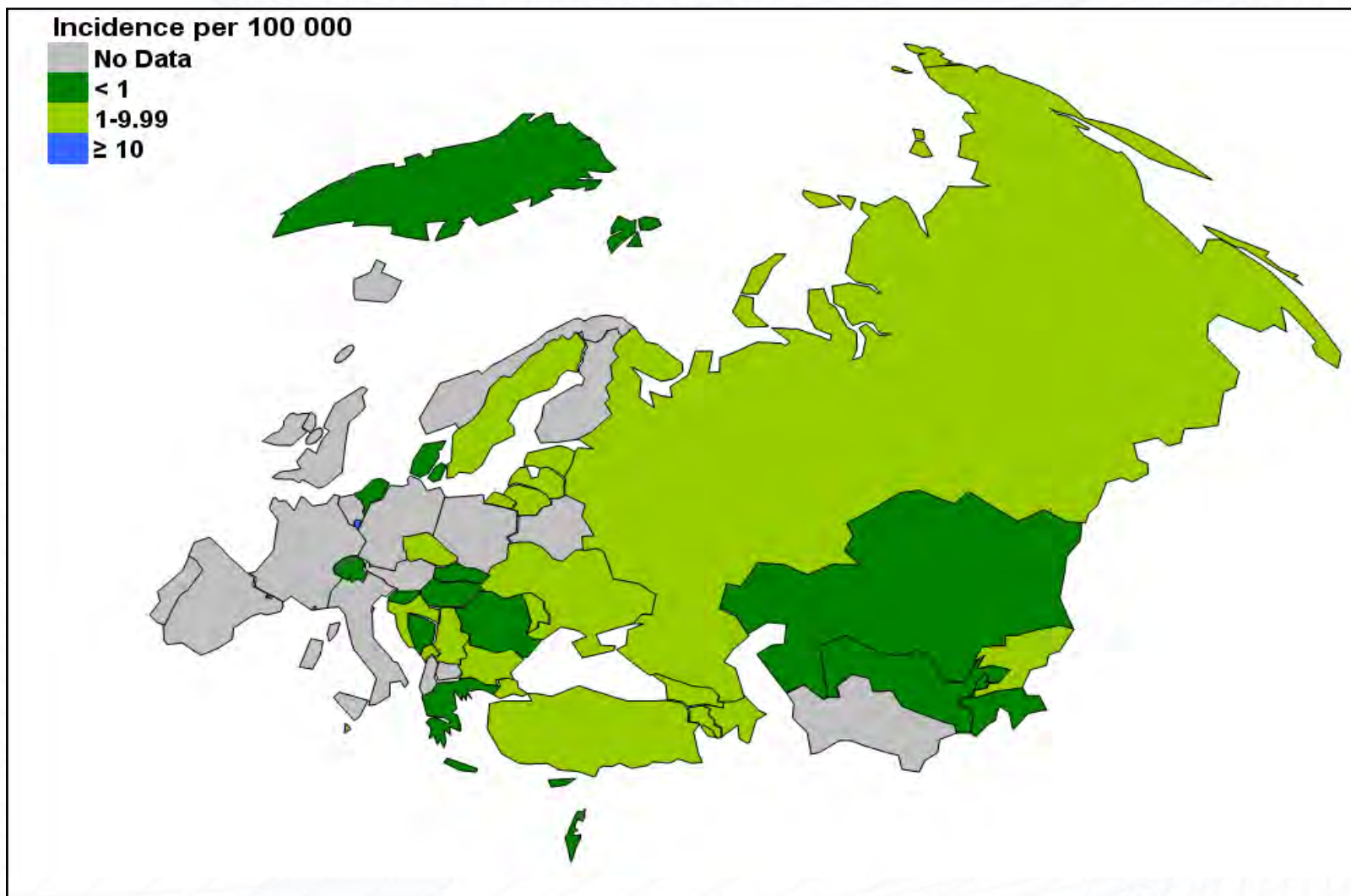
# Hepatitis C-Acute (Incidence per 100 000) WHO European Region, 2004



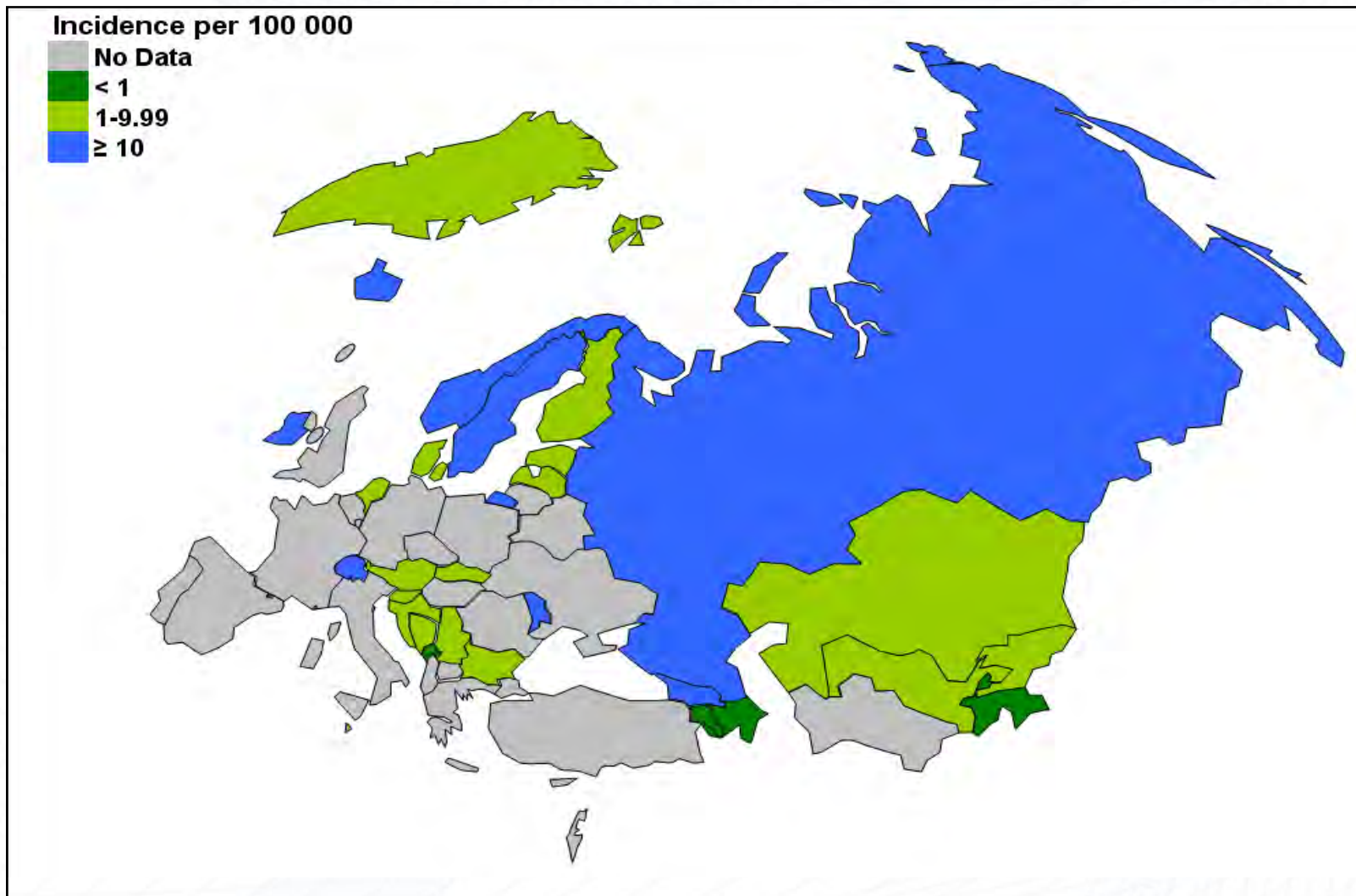
# Hepatitis C-Acute (Incidence per 100 000) WHO European Region, 2006



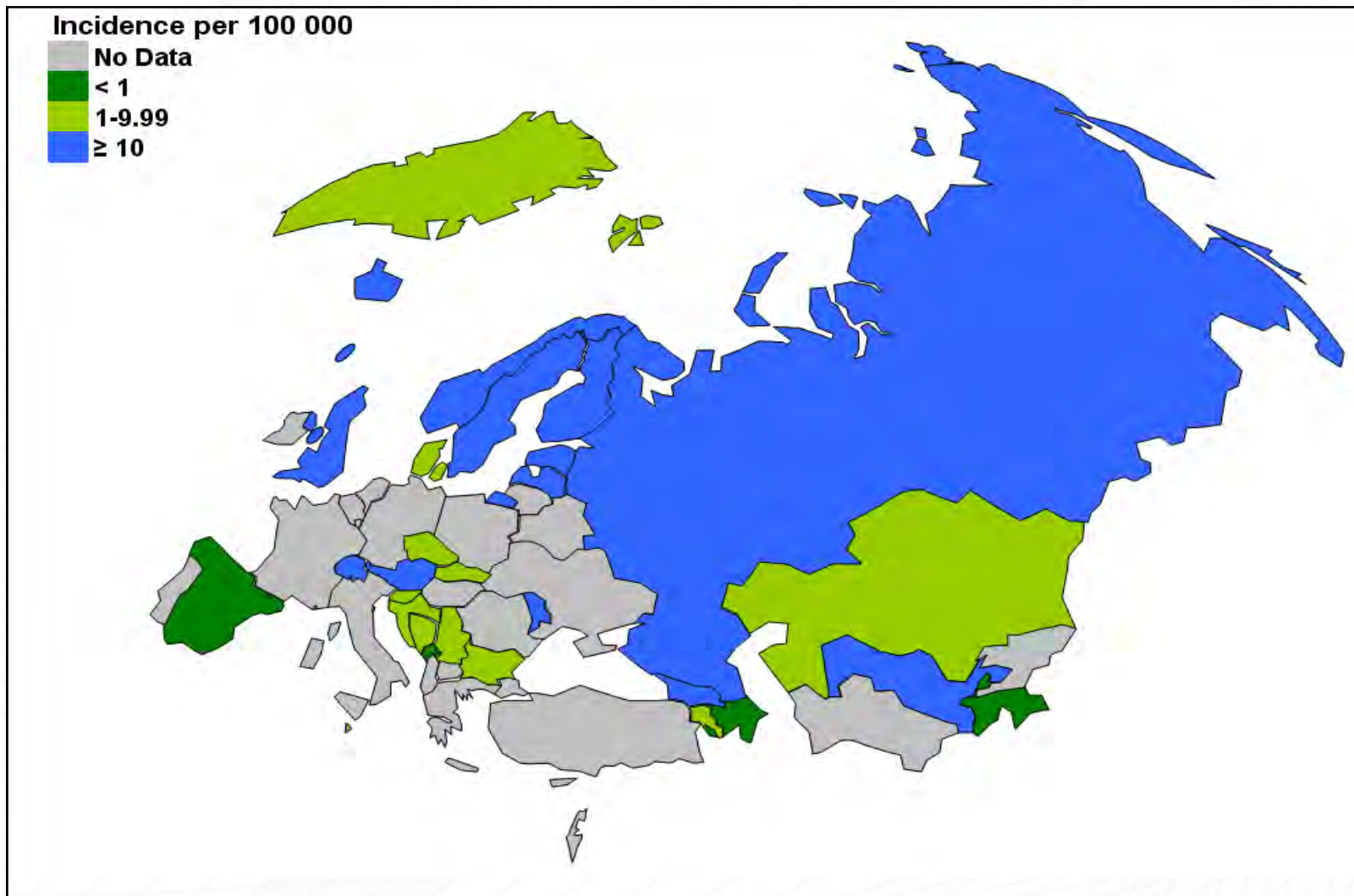
# Hepatitis C-Acute (Incidence per 100 000) WHO European Region, 2008



# Hepatitis B-Chronic (Incidence per 100 000) WHO European Region, 2008



# Hepatitis C-Chronic (Incidence per 100 000) WHO European Region, 2008





# Hepatitis B and C Surveillance

- Little information on incidence in risk groups
  - Little information on sub-national incidence
  - Chronic carriage prevalence unknown
  - No standard surveillance guidelines or protocols
-



# Surveillance Needs

- Development of surveillance guidelines
  - Establishment of expert advisory group
-

# Policy Guidance

- Guidelines
    - Acute infections
    - Chronic carriage
    - Behavioral and risk factor surveillance
  - Ethical and practical considerations
    - Linking testing and counseling with other programs (HIV, STI, TB)
    - Treatment and response options
-



THANK YOU