

**EPIDEMIOLOGY
OF VIRAL HEPATITIS
IN NORTHERN RUSSIA
(ARKHANGELSK REGION)**

MAP OF THE RUSSIAN FEDERATION

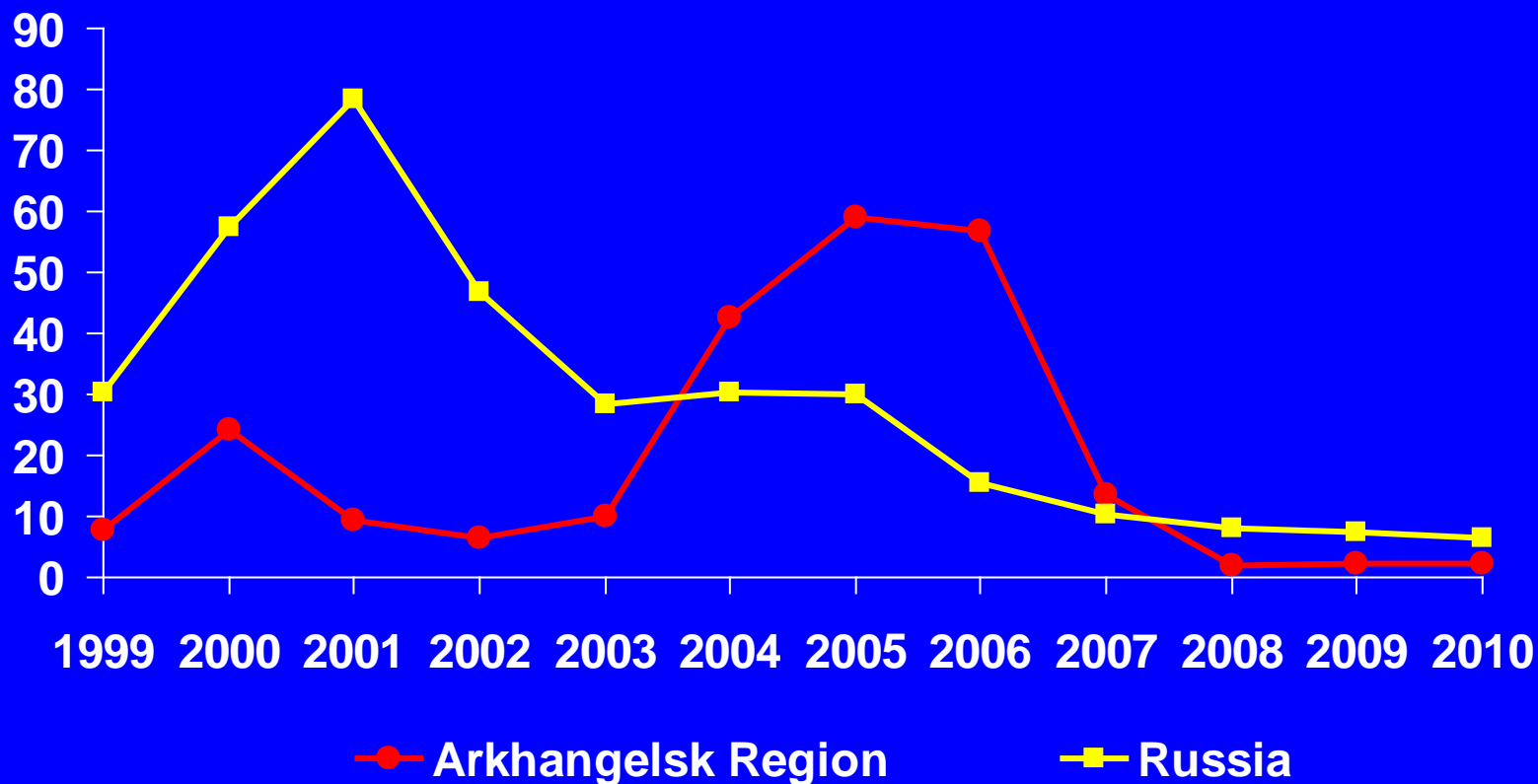
Площадь - 17 075,4 тыс. кв. км
 Население - 144 819,1 тыс. чел.(2001 г.)
 Столица - Москва (8 304,6 тыс.чел.,2001 г.)
 Федеративное устройство:
 республик 21
 краев 6
 областей 49
 городов федерального значения .. 2
 автономных областей 1
 автономных округов 10



Цифрами на карте обозначены:
государства

- | | | |
|------------|-----------|---------------|
| 1 Эстония | 3 Грузия | 5 Азербайджан |
| 2 Молдавия | 4 Армения | 6 Иран |

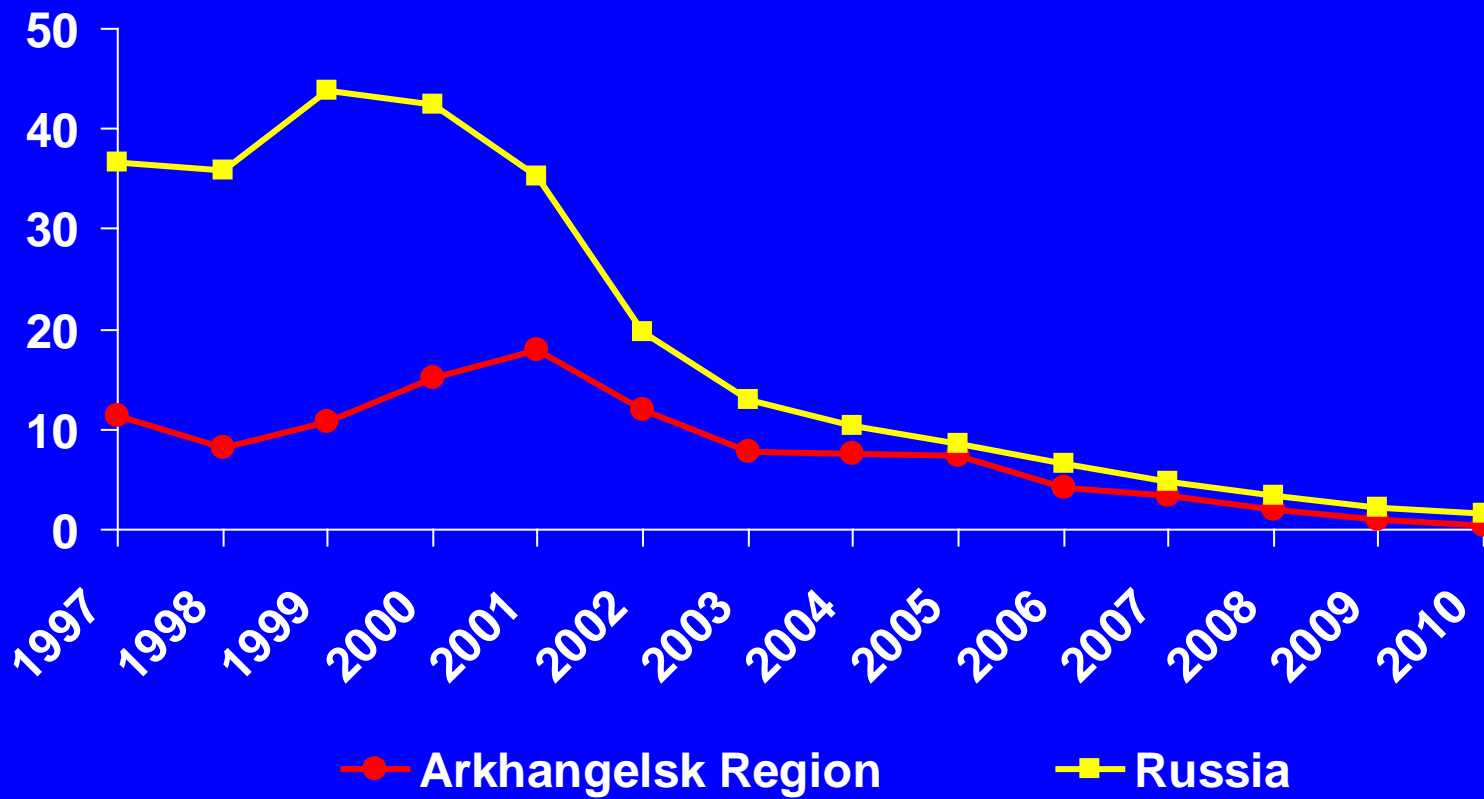
Incidence of viral hepatitis A in Arkhangel'sk region and Russia, 1999-2010 (per 100 000 population)



Source: Official bulletin of the Federal Gossaepidnadzor Center, Russia

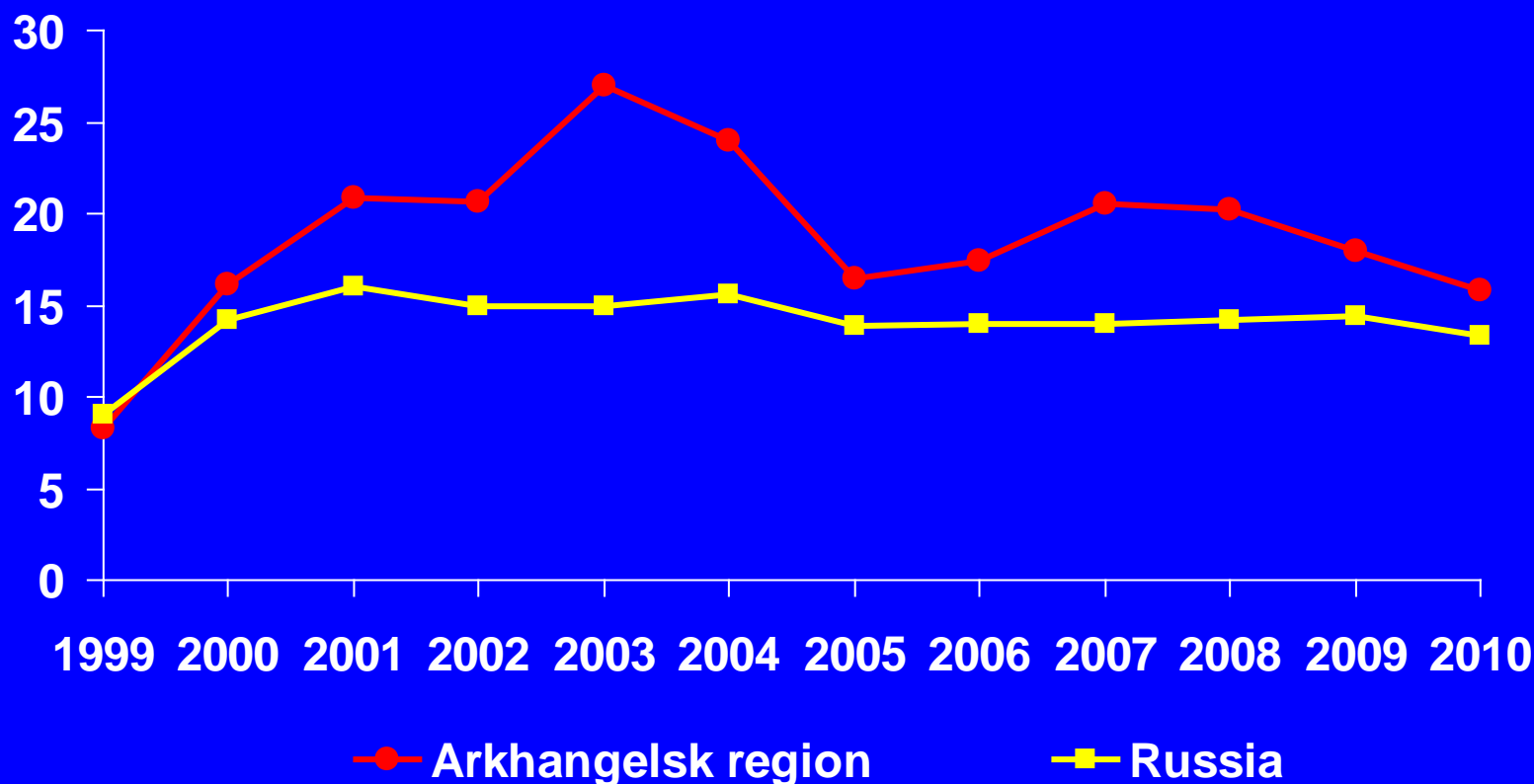
Incidence of acute viral hepatitis B in Arkhangel'sk region and Russia, 1997-2010

(per 100 000 population)



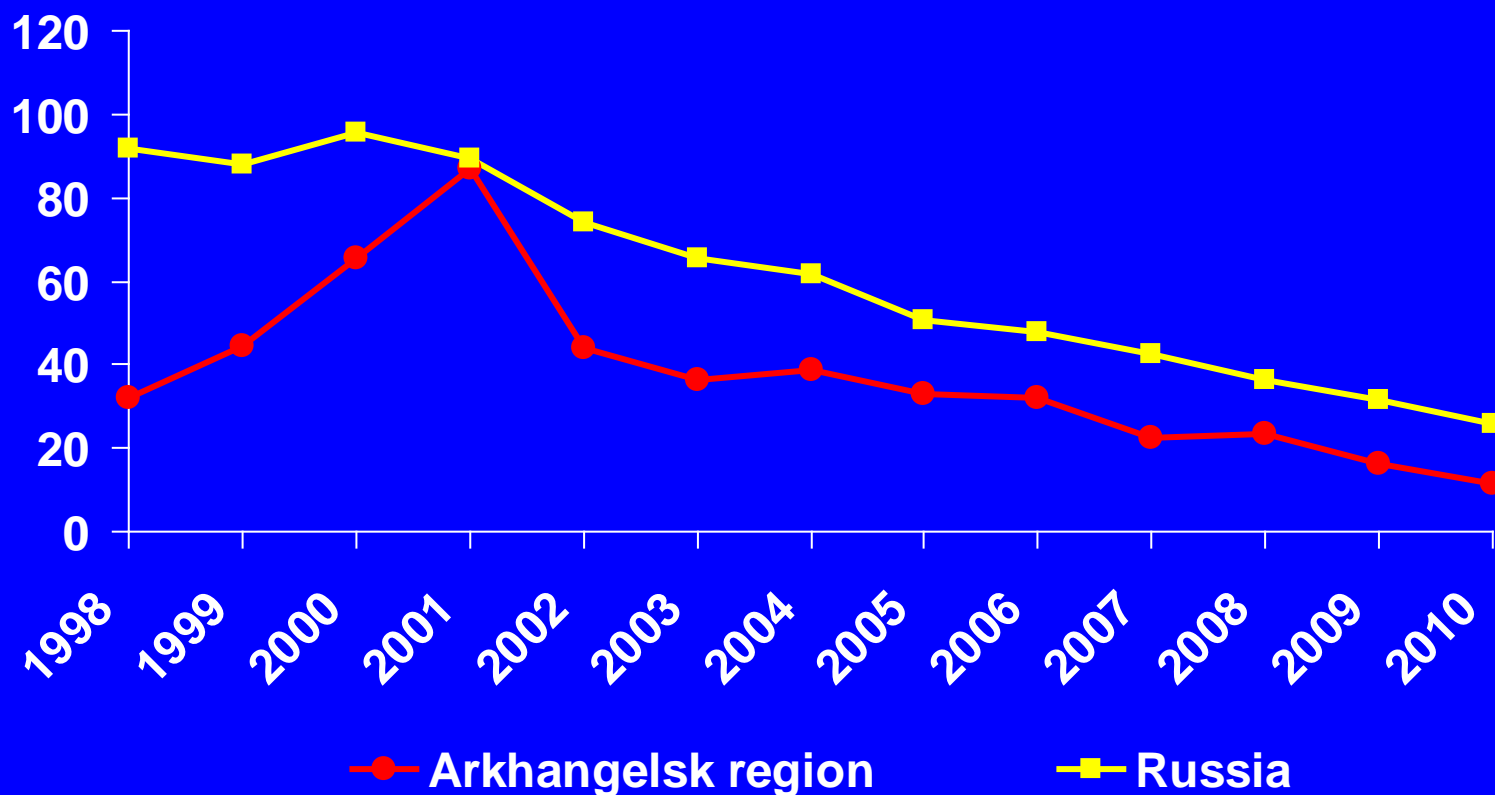
Source: Official bulletin of the Federal Gossaepidnadzor Center, Russia

Incidence of chronic viral hepatitis B in Arkhangel'sk region and Russia, 1999-2010 (per 100 000 population)



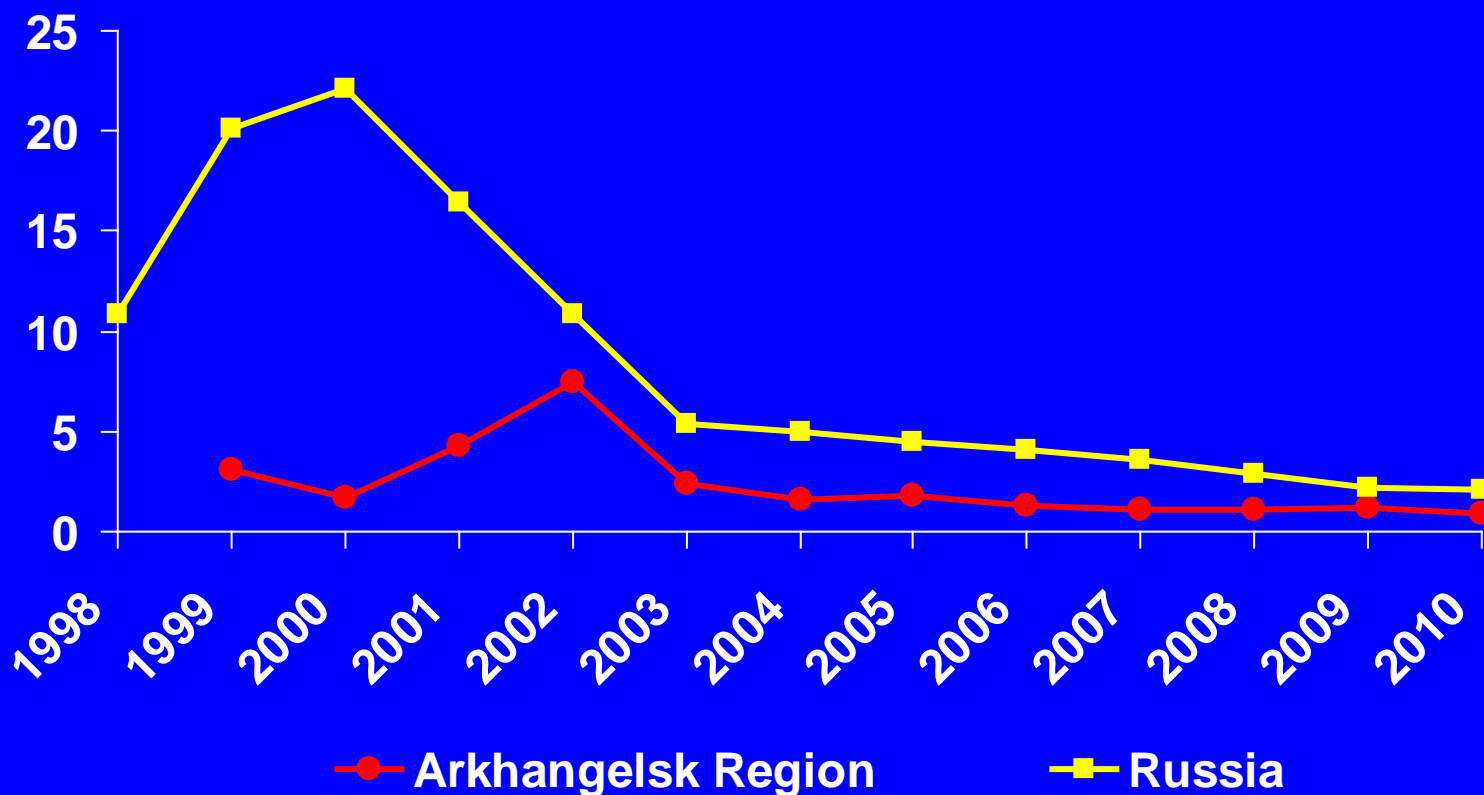
Source: Official bulletin of the Federal Gossaepidnadzor Center, Russia

Incidence of HBsAg carriage in Arkhangel'sk region and Russia, 1998-2010 (per 100 000 population)



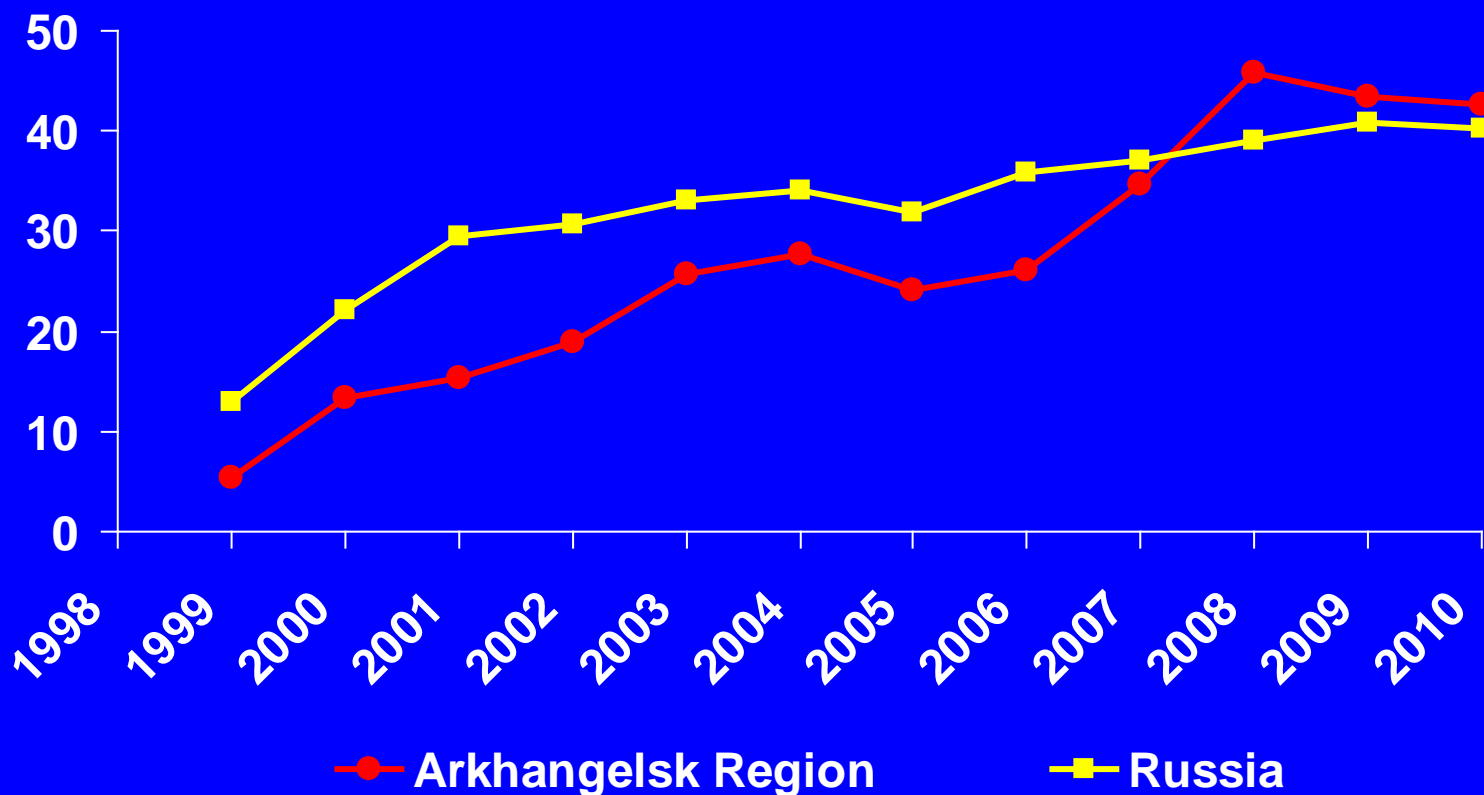
Source: Official bulletin of the Federal Gossaepidnadzor Center, Russia

Incidence of acute viral hepatitis C in Arkhangel'sk region and Russia, 1998-2010 (per 100 000 population)



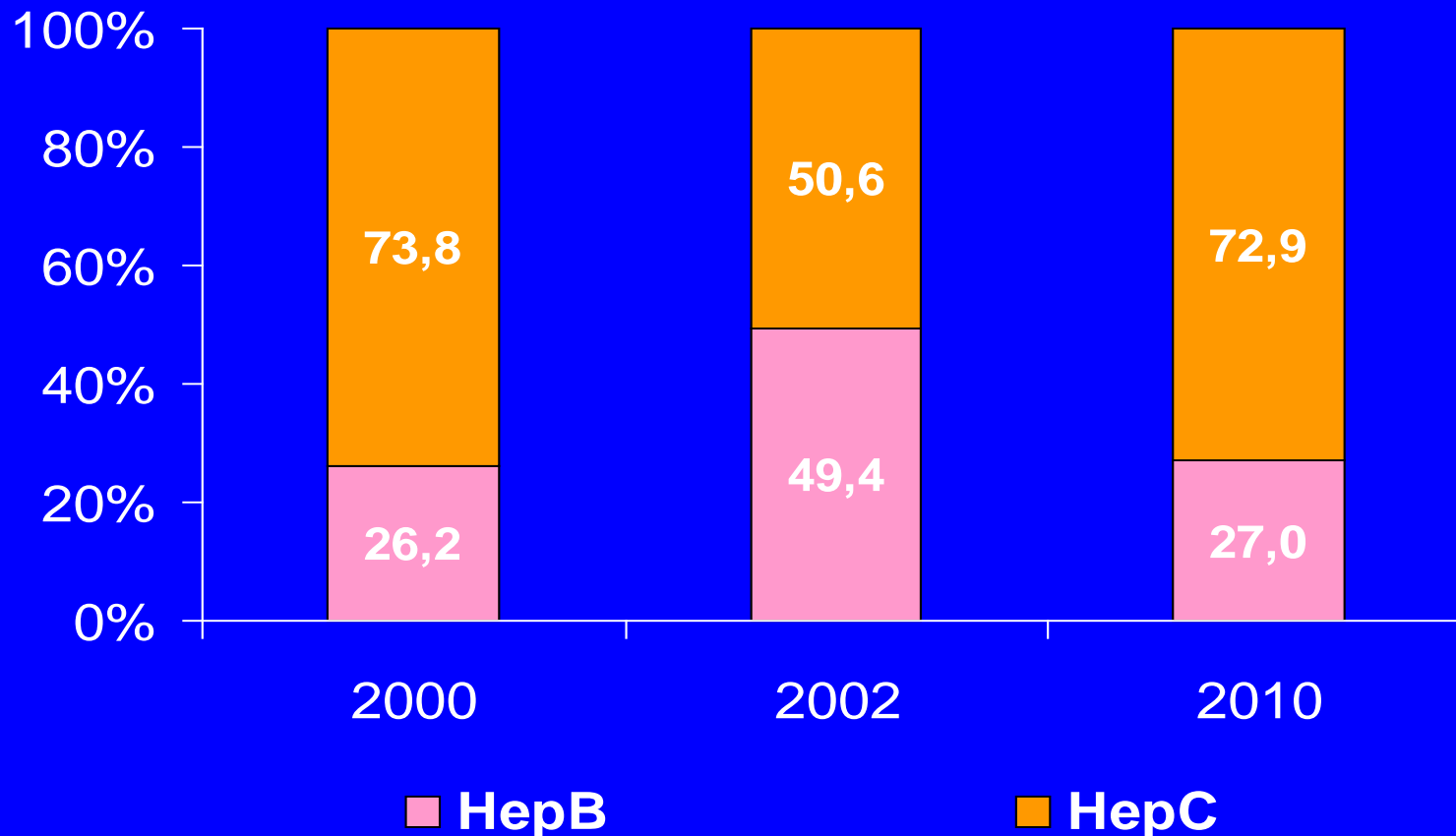
Source: Official bulletin of the Federal Gossaepidnadzor Center, Russia

Incidence of chronic viral hepatitis C in Arkhangel'sk region and Russia, 1998-2010 (per 100 000 population)



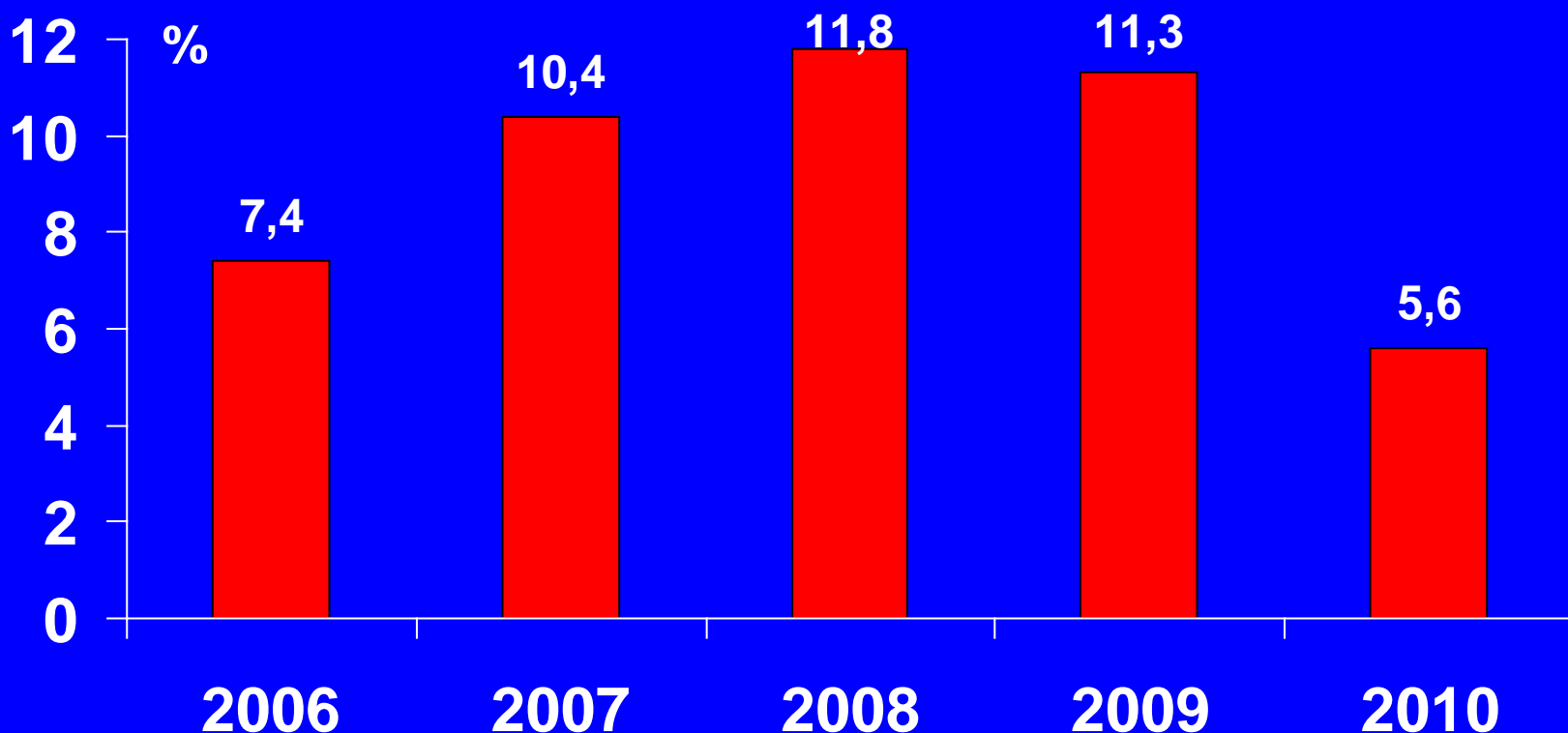
Source: Official bulletin of the Federal Gossaepidnadzor Center, Russia

Chronic hepatitis in Arkhangelsk region, 2000, 2002, 2010



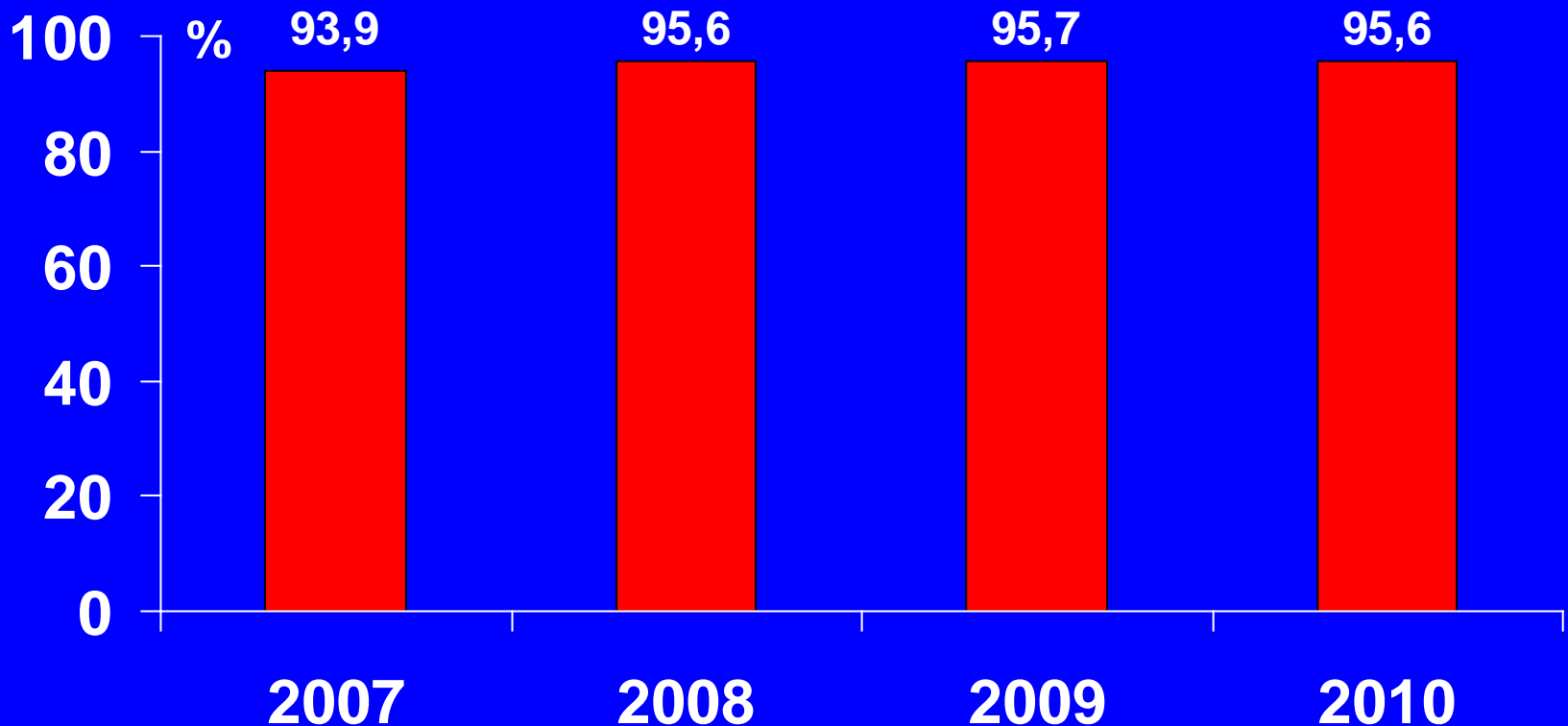
Source: Official bulletin of the Federal Gossaepidnadzor Center, Russia

Proportion of persons vaccinated against HepB in Arkhangelsk region by year, 2006-2010 (total population)

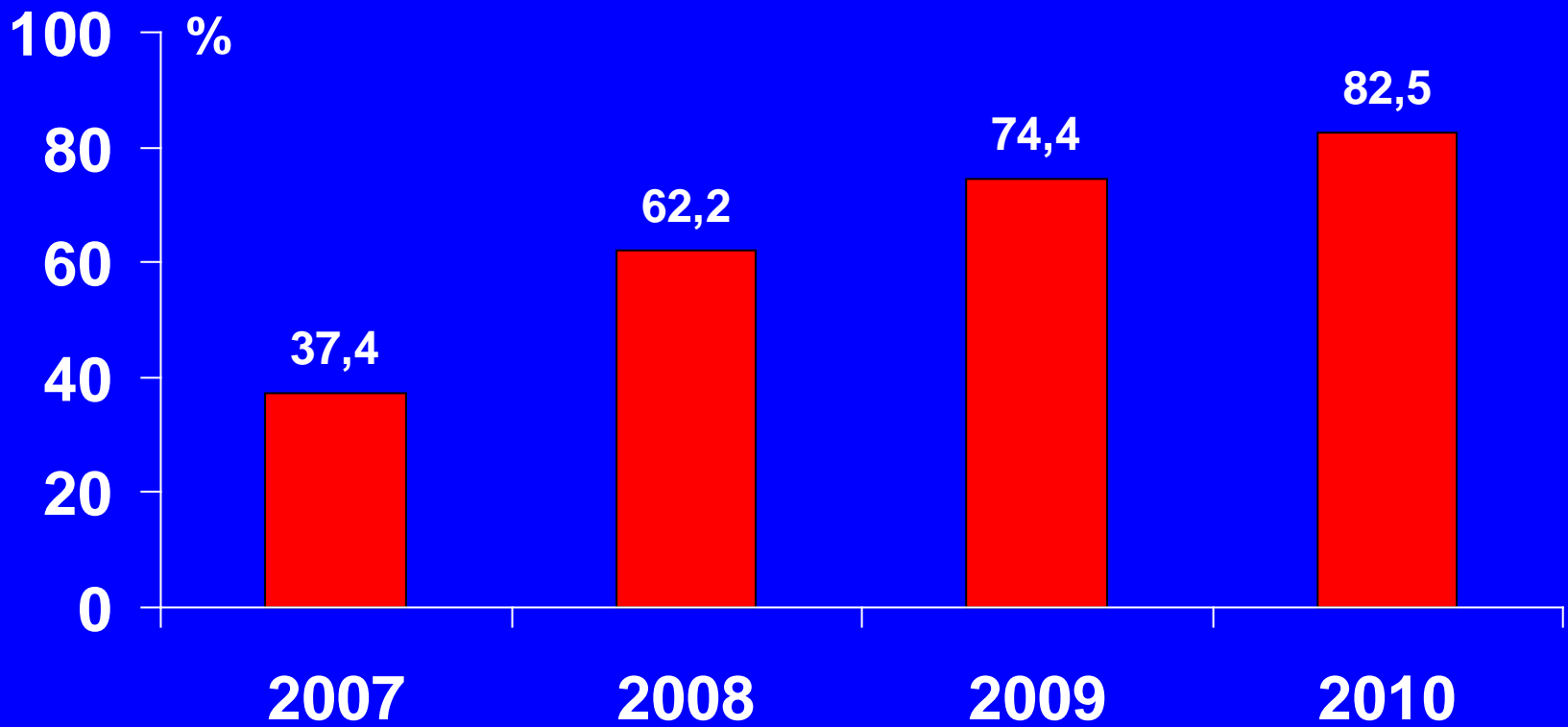


* Population of Arkhangelsk region is 1,13 mln. people

HepB immunization coverage, 1-17 years old, Arkhangelsk region by year, 2007-2010



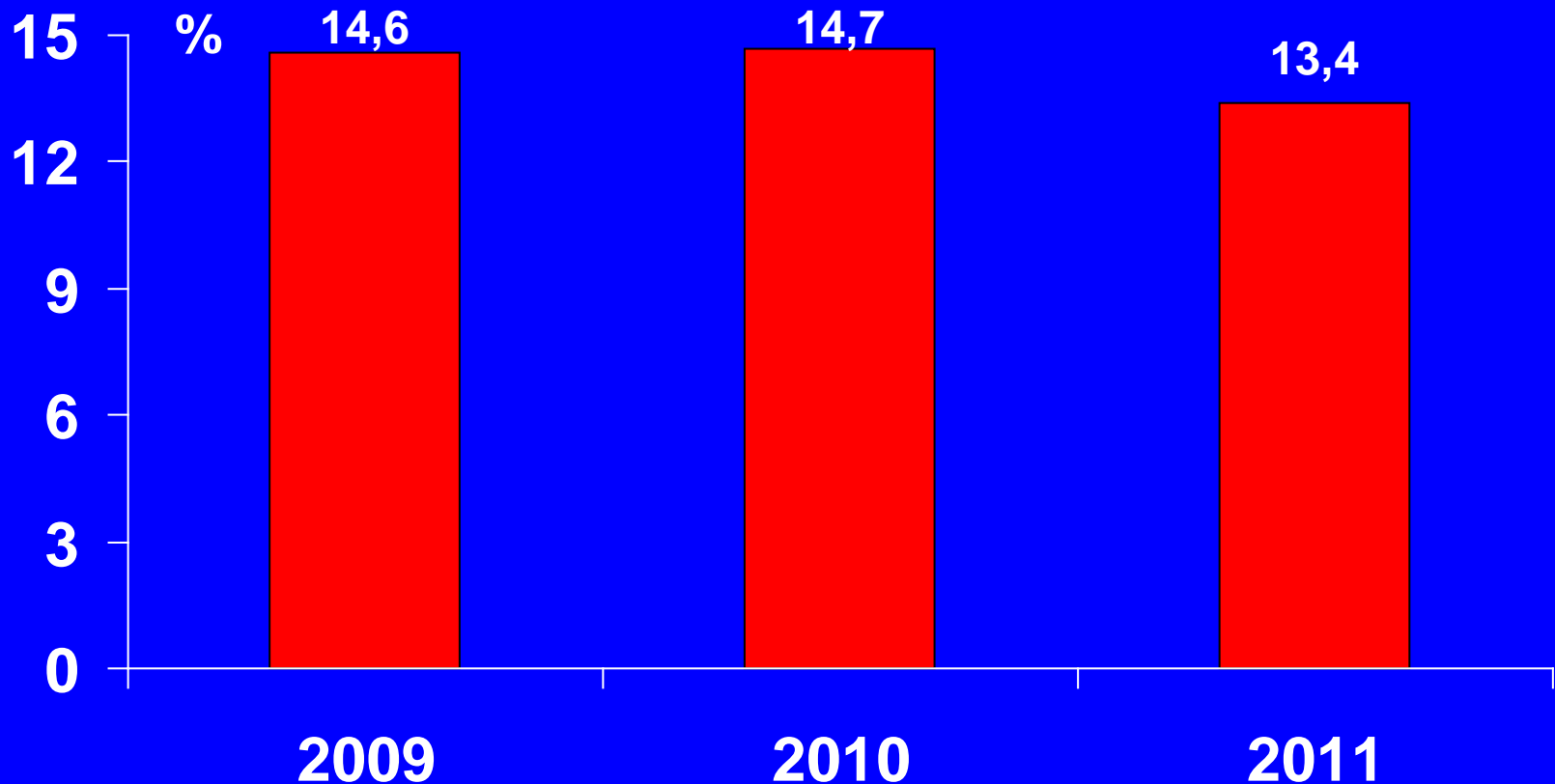
HepB immunization coverage, 18-35 years old, Arkhangelsk region by year, 2007-2010



Coverage, HepB immunization, Arkhangelsk region, 2010

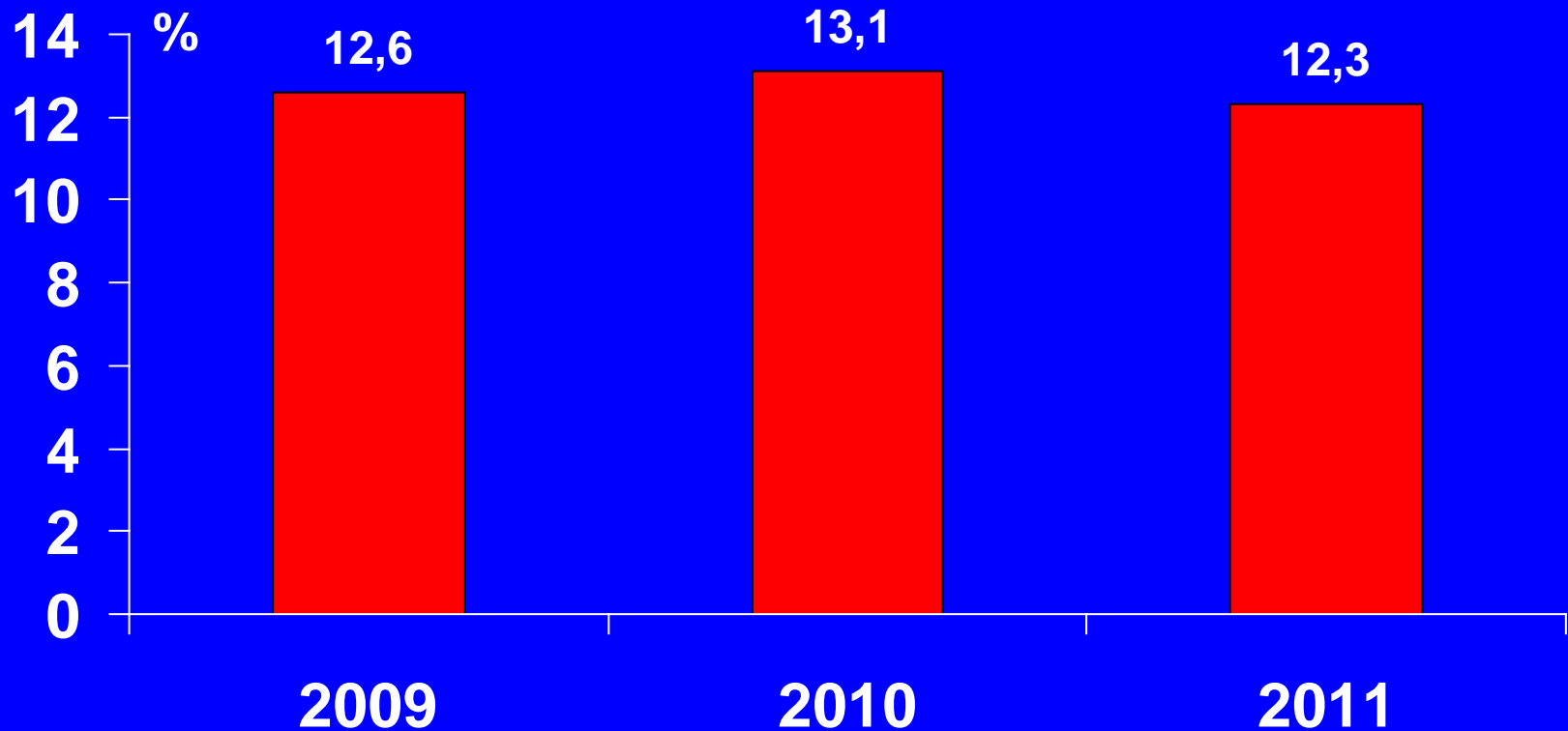
- **Children under 1 – over 95% (since 2004)**
- **Children 1-17 – 95,6%**
- **Young adults, 18-35 years – 82,5%**
- **Adults up to 65 years old – over 60%**

Proportion of persons tested annually for HepB in Arkhangelsk region, 2009-2011



* Population of Arkhangelsk region is 1,13 mln. people

Proportion of persons tested annually for HepC in Arkhangelsk region, 2009-2011



** Population of Arkhangelsk region is 1,13 mln. people*

Conclusions

- **Incidence of viral hepatitis B is decreasing in Arkhangelsk region as well as in Russia**
- **High hepB immunization rates among newborns, teenagers and adults contributes to growing herd immunity of the population**
- **Chronic hepatitis C is dominating and growing among chronic hepatitis cases**

Thank you for your attention!!

