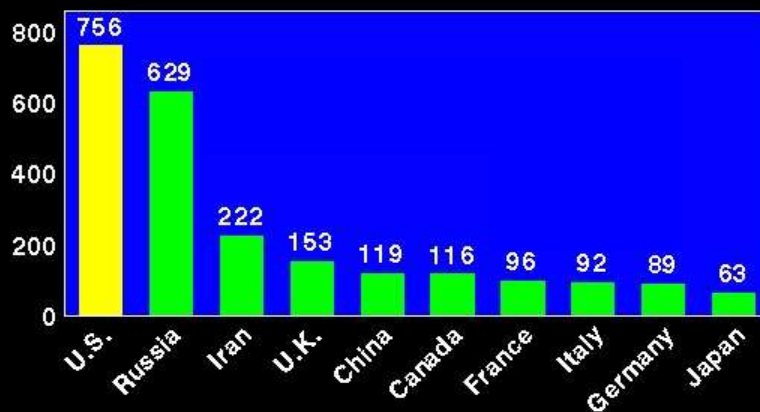


Management of HCV in Prisoners

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Incarceration Rates

Prisoners per 100,000 population



Source: Walmsley - World Prison Population List, 8th Ed.

- World prison population >10 million People annually
- 10-48% male prisoners and 30% -60% female prisoners are Drug abusers.
- Prevalence of HCV in prisoners from 2% to 58% worldwide (28% in Iranian prisoners: from 7.4% - 64.8%)
- Injection drug use is the most risk factor. 52% of 11.7 million people injecting drugs worldwide living with HCV. 12% -91% worldwide (53% in Iranian IDU prisoners)
- Other risk factors: Tattooing, unprotected sexual intercourses, Sharing tools and equipment

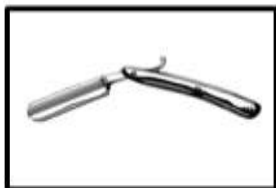
- Hep C CAN be contracted in the following ways: Camden Provi



Sharing needles and other drug taking equipment



Sharing toothbrushes



Razors/hair clippers



Self tattooing



Rough/anal sex

HCV controls barriers in Prison

- Unawareness (30% -50%)
- continue to use drugs, including by injection, while incarcerated (In Australian prisons about half of all imprisoned people who inject drugs continue to inject drugs in prison).
- multiple admissions to prisons(intra-prison transmission to intrafamilial transmission)
- Unplanned transfers and releases of prisoners
- Low access to health care and prevent measures
- Lack of substance use treatment in prisons also Alcohol use
- Screening for HCV infection& treatment (enough strategies/, enough money?) 9% and 24% worldwide

HCV controls opportunities in Prison

- Monitor patients more closely
- An opportunity to engage with a difficult-to-reach population
- medical management and adherence to antiviral therapy require lifestyle stability, **directly observed treatment (DOT) strategy**

Results of HCV transmission risk factors in Guilan, 2018

Total Number: 2215 prisoners

- History of Transfusion: 5%
- Phlebotomy: 16.1% (57.5% in prison)
- Tattoo: 41.7% (38.3% in prison)
- Alcohol use: 47.8%
- Cigarette smoking: 76.3%
- Non- ID abusers: 62.2% (29.6% drug use in prison)
- ID users: 7.2%
- Sharing Needle: 1.2%
- MMT (at least one time): 50.1%

Results of HCV transmission risk factors in Guilan, 2018

Total Number: 2215 prisoners

- Illegal sexual relation: 13.8%
- Homosexual: 2.4% (50% use condom)
- Genital wound or discharge : 1.8%
- Sexual relation in prison: 1.5%
- Hepatitis B vaccination: 74.1%
- Known case of HCV positive: 2.2%
- Re-admission to prison: 3 times (0-22)