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SALZBURGER LANDESKLINIKEN

# Needlestick directive Implementation and practical experience

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Arbeitsmedizinischer Dienst OÄ<sup>in</sup> Dr. R. Waclawiczek



## Figures from SALK 2011

approx. 6,000 workers

approx. 4,300 working in the clinical field

1,812 in-patient beds

107,757 in-patients

319,375 outpatient cases

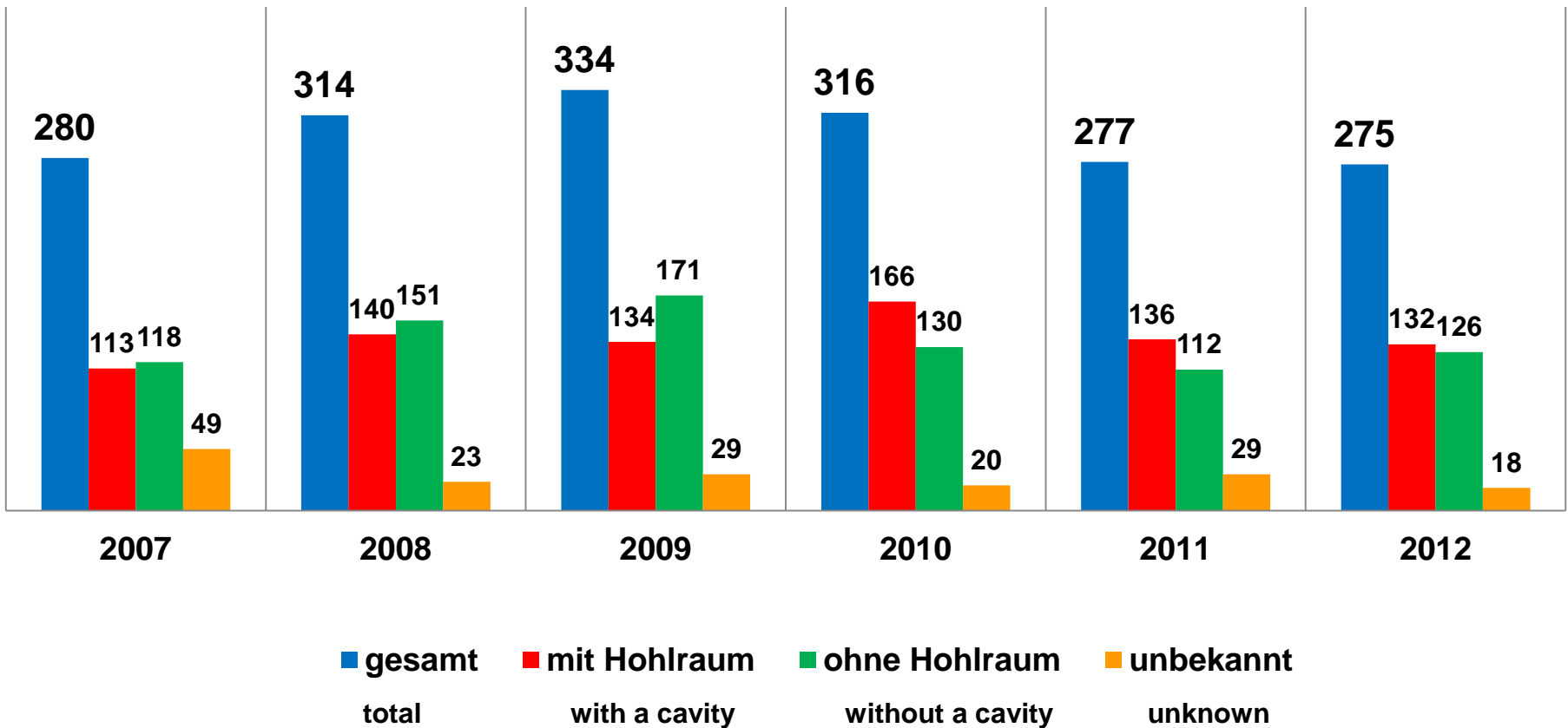
695,895 outpatient visits

1,446,816 used needles

132 sharps injuries



# Sharps injury statistics



**Since 1994 no infections from sharps injuries**



## Sharps injuries involving objects **with** a cavity

	<b>2011</b>	<b>2012</b>
<b>Butterfly</b>	<b>20</b>	<b>2</b>
<b>Butterfly safety</b>	<b>13</b>	<b>16</b>
<b>Pre-filled syringe s.c.</b>	<b>17</b>	<b>18</b>
<b>Pre-filled safety syringe s.c.</b>	<b>-</b>	<b>-</b>
<b>Insulin pen</b>	<b>14</b>	<b>17</b>
<b>Needle</b>	<b>66</b>	<b>57</b>
<b>Needle safety system</b>	<b>-</b>	<b>3</b>
<b>Venflon</b>	<b>13</b>	<b>11</b>

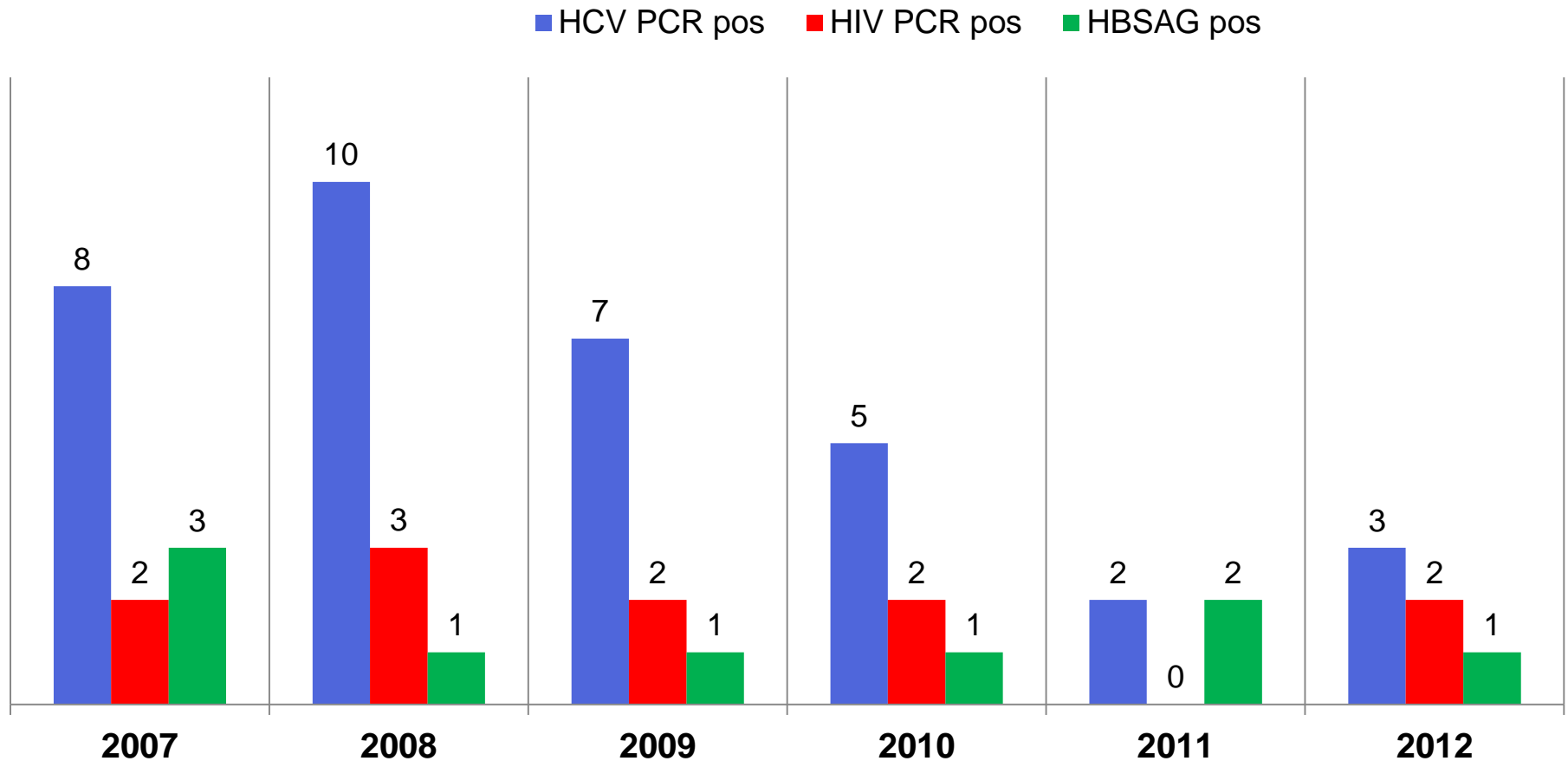


## Sharps injuries involving objects **without** a cavity

	<b>2011</b>	<b>2012</b>
<b>Sewing needle</b>	<b>57</b>	<b>55</b>
<b>Scalpel</b>	<b>21</b>	<b>14</b>
<b>Safety lancet</b>	<b>0</b>	<b>0</b>
<b>Lancet</b>	<b>1</b>	<b>1</b>
<b>Forceps</b>	<b>4</b>	<b>5</b>



# Sharps injuries involving positive patients





# What already happens

- Workplace evaluation
  - Identification and assessment of risks
  - Definition of measures
- Hepatitis B vaccination Vienna
- Instruction
- Internal reporting system
- Training courses
- Waste plan
- Sometimes: replacement with safety products



# Process/steps of implementation

- Expert team
- Public tender for products
- Product presentations
- Training provided by enterprise:
  - before introducing safety device
    - ( blood collection system: 500 persons in 40 hours)
  - in the institution (pre-filled safety syringe for heparin)
  - „train the trainer“ (venflon)





## Safety products

- 2008 Microgripper (for piercing port-a-cuts)
- 2008 “Safety butterfly” – HIV clinic
- 2010 Haemolance safety lancets
- 2011 Blood collection system
- 2012 Safety venflon
- 2013 Pre-filled syringe for heparin
  - In a test phase: Syringe for insulin
  - Safety syringe



## " MUSTS "

- Hepatitis B vaccination
- Gloves
- Skin protection
- Disposal facilities on-site
- Training
- Enable staff to work calmly
  - no time pressure
  - enough staff
- Experienced people in risky situations
- “Automatic” safety provisions/mechanisms
- *Change: Safety container with window or transparent*



Thank you for your attention