PARTICIPATING STEM CELL DONOR REGISTRIES
TOTAL NUMBER OF HLA-A, -B AND HLA-A, -B, -DR TYPED STEM CELL DONORS

Number of stem cell donors (x million)

Number above bars is % HLA-A, -B, -DR typed stem cell donors

- HLA-A,-B,-DR
- HLA-A,-B
TOTAL NUMBERS OF CORD BLOOD UNITS

Number of cord blood units (x thousand)
Number of cord blood units (x thousand) added per year

TOTAL NUMBER OF HLA-A, -B, -C, -DR, -DQ AND HLA-A, -B, -C, -DR, -DQ, -DP TYPED STEM CELL DONORS

Number of stem cell donors (x million)

- Number above bars is % HLA-A, -B, -C, -DR, -DQ, -DP typed stem cell donors

- HLA-A, -B, -C, -DR, -DQ
- HLA-A, -B, -C, -DR, -DQ, -DP

<table>
<thead>
<tr>
<th>Year</th>
<th>HLA-A, -B, -C, -DR, -DQ</th>
<th>HLA-A, -B, -C, -DR, -DQ, -DP</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>4.5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>8.7%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>21%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>33%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>54%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TOTAL NUMBER OF HLA-A, -B, -C, -DR, -DQ AND HLA-A, -B, -C, -DR, -DQ, -DP TYPED CORD BLOOD UNITS

Number of cord blood units (x thousands)

Number above bars is % HLA-A, -B, -C, -DR, -DQ, -DP typed cord blood units

- HLA-A, -B, -C, -DR, -DQ
- HLA-A, -B, -C, -DR, -DQ, -DP

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of cord blood units (x thousands)</th>
<th>% HLA-A, -B, -C, -DR, -DQ, -DP</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>1.4%</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>8.1%</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>7.5%</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>8.1%</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>20%</td>
<td></td>
</tr>
</tbody>
</table>
DISTRIBUTION OF STEM CELL DONORS IN THE WORLD

- < 20,000 donors
- 20,000 – 100,000 donors
- > 100,000 – 1,000,000 donors
- > 1,000,000 donors
DISTRIBUTION OF UNRELATED CORD BLOOD UNITS IN THE WORLD AND IN EUROPE

- < 10,000 units
- 10,000 – 20,000 units
- > 20,000 – 100,000 units
- > 100,000 units
NUMBER OF STEM CELL DONORS, CORD BLOOD UNITS AND HLA-PHENOTYPES (X MILLION)

Number of stem cell donors, cord blood units and HLA-phenotypes (x million)

- HLA-A, -B, -DR split typed stem cell donors and cord blood units
- HLA-A, -B, -DR different phenotypes
- HLA-A, -B, -DR unique phenotypes
INCREASE IN THE NUMBER OF DIFFERENT PHENOTYPES ADDED TO THE BMDW DATABASE

Number of different phenotypes (x thousand)

Number of ABDR split typed donors/units (x thousand)
NUMBER OF DIFFERENT NEW HLA-A, -B, -DR SPLIT PHENOTYPES PER THOUSAND NEW STEM CELL DONORS AND CORD BLOOD UNITS

Number of different phenotypes per thousand new stem cell donors and cord blood units
Relative percentage of unique phenotypes in 2016

Remark
Uruguay and United Arab Emirates had too few HLA-A, -B, -DR split typed donors to be depicted.
RELATIVE PERCENTAGE OF UNIQUE HLA-A, -B, -DR SPLIT PHENOTYPES OF CORD BLOOD UNITS PER COUNTRY CONTRIBUTED TO THE ENTIRE DATABASE IN BMDW

Relative percentage of unique phenotypes in 2016

Remark
Bulgaria had too few HLA-A, -B, -DR typed cord blood units to be depicted