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Message From the Founder

2012 is off to a great start with the successful completion of 45 exchange transplants during the first quarter. This brings us to 434 transplants since we started organizing swaps 4 years ago.

Our transplanted patient average wait time is 6 months with 71% of transplanted patients waiting less than 6 months to get matched and transplanted. We continue to find an increasing number of matches for highly sensitized patients. During the first quarter, 10 patients with cPRAs greater than 80% were matched and transplanted, 6 of which had cPRAs greater than 95%. Even with this success, we are investing aggressively to develop better ways to match and transplant the 100% PRA patients, which make up nearly half of our unmatched pool.

The extensive media coverage of our recent 30 way swap tripled our website traffic, generating 549 patient referrals for our Member Centers and over 500 online NDD registrations during the quarter. This media coverage is a blessing for many ESRD patients who are leaving transplant centers that do not provide adequate paired exchange services and are getting matched and transplanted at our Member Centers.

None of this success would be possible without the effort and dedication of the medical professionals at our Member Centers. Thank you - and keep up the great work.

Sincerely

Garet Hil
Founder & President
National Kidney Registry
**Website Visits Per Month**

- **Jan-11**: 988
- **Feb-11**: 1,042
- **Mar-11**: 1,048
- **Apr-11**: 956
- **May-11**: 921
- **Jun-11**: 722
- **Jul-11**: 720
- **Aug-11**: 548
- **Sep-11**: 294
- **Oct-11**: 767
- **Nov-11**: 713
- **Dec-11**: 717
- **Jan-12**: 1,549
- **Feb-12**: 2,264
- **Mar-12**: 1,622

**NKR Patient Referrals Per Month**

- **Aug-11**: 25
- **Sep-11**: 62
- **Oct-11**: 48
- **Nov-11**: 97
- **Dec-11**: 91
- **Jan-12**: 91
- **Feb-12**: 302
- **Mar-12**: 156
New Pair Registrations Per Month

Transplants Facilitated by Year

2008
- 21

2009
- 62

2010
- 131

2011
- 175
2011 Transplants by Wait Time
89% of transplanted patients waited <12 months

- 75.2%: 6-12 Months
- 13.5%: 1-2 Years
- 9.9%: <6 Months
- 1.4%: 2+ Years

Number of Transplanted Patients with cPRA >80%

- 2008: 1
- 2009: 12
- 2010: 32
- 2011: 49

89% of transplanted patients waited <12 months.
Transplanted Patient Average Wait Time
The average of the actual wait times of patients transplanted during the year (wait time = transplant date – enrollment date)

Enrolled Patient Average Wait Time
Ending unmatched patient pool/annual transplant run rate
Cumulative Pool Distribution by Status
As of 3/31/2012

- Transplanted: 62%
- Pending: 8%
- Unmatched <1 YEAR: 3%
- Unmatched 1-2 YEARS: 23%
- Unmatched 2+ YEARS: 3%

Percent of Patients Transplanted in < 6 Months
Number of transplants facilitated in <6 months / Total transplants for same year

- 2009: 75.0%
- 2010: 70.5%
- 2011: 75.2%
Transplants by cPRA
28% of transplanted patients >80% cPRA

Pool Composition by cPRA
As of 3/31/2012
**Chain Lengths**
For Chains Greater Than 1 Deep

*Only 6 of 7 broken chains displayed due to exclusion of one deep chain.*

**Summary of Broken Chains**

<table>
<thead>
<tr>
<th>Reason Given</th>
<th>Center</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Issues/ long wait time/ many failed XMs</td>
<td>Cornell</td>
<td>5/1/2008</td>
</tr>
<tr>
<td>No Reason</td>
<td>Cornell</td>
<td>8/21/2008</td>
</tr>
<tr>
<td>No Reason</td>
<td>CPMC</td>
<td>11/19/2008</td>
</tr>
<tr>
<td>Two cancelled swaps/ long wait time</td>
<td>UTMC</td>
<td>6/9/2009</td>
</tr>
<tr>
<td>Medical</td>
<td>UCSF</td>
<td>11/10/2009</td>
</tr>
<tr>
<td>Medical</td>
<td>UCLA</td>
<td>3/16/2010</td>
</tr>
<tr>
<td>Second nuclear GFR test &lt; 80 (79 down fm 82)</td>
<td>AGH</td>
<td>9/16/2010</td>
</tr>
<tr>
<td>No Reason</td>
<td>MethodistTX</td>
<td>2/3/2012</td>
</tr>
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</table>
Broken Chains by Year - Summary

Broken Chains by Year - Detail

<table>
<thead>
<tr>
<th>Year</th>
<th># Bridge Donors</th>
<th># Broken Chains</th>
<th>% Broken Per Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>9</td>
<td>3</td>
<td>33%</td>
</tr>
<tr>
<td>2009</td>
<td>29</td>
<td>2</td>
<td>7%</td>
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<tr>
<td>2010</td>
<td>61</td>
<td>2</td>
<td>3%</td>
</tr>
<tr>
<td>2011</td>
<td>75</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2012 (Est.)</td>
<td>100</td>
<td>1</td>
<td>1%</td>
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<tr>
<td>Total Bridge Donors</td>
<td>274</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Transplants Facilitated</td>
<td>2008</td>
<td>2009</td>
</tr>
<tr>
<td>---</td>
<td>-------------------------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>21</td>
<td>62</td>
</tr>
<tr>
<td>2</td>
<td>Ending Unmatched Patient Pool</td>
<td>80</td>
<td>127</td>
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<tr>
<td>3</td>
<td>Cumulative Transplants</td>
<td>21</td>
<td>83</td>
</tr>
<tr>
<td>4</td>
<td>Cumulative Patient Pool</td>
<td>101</td>
<td>210</td>
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<td>5</td>
<td>Percent of Pool Transplanted</td>
<td>21%</td>
<td>40%</td>
</tr>
<tr>
<td>6</td>
<td>Enrolled Patient Average Wait Time</td>
<td>3.8</td>
<td>2.0</td>
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<tr>
<td>7</td>
<td>Transplanted Patient Average Wait Time</td>
<td>5.1</td>
<td>5.3</td>
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<td>8</td>
<td>Average cPRA of Transplanted Patients</td>
<td>4.1%</td>
<td>25.9%</td>
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<tr>
<td>9</td>
<td>Enrolled Patient Average Wait Time</td>
<td>3.8</td>
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<tr>
<td>10</td>
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<td>1</td>
</tr>
<tr>
<td>11</td>
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<td>0</td>
<td>4</td>
</tr>
<tr>
<td>12</td>
<td>80-95%</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>13</td>
<td>50-80%</td>
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<td>5</td>
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<tr>
<td>14</td>
<td>0-50%</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>15</td>
<td>0%</td>
<td>19</td>
<td>37</td>
</tr>
<tr>
<td>16</td>
<td>Sub-total</td>
<td>21</td>
<td>62</td>
</tr>
<tr>
<td>17</td>
<td>100%</td>
<td>0%</td>
<td>2%</td>
</tr>
<tr>
<td>18</td>
<td>95-100%</td>
<td>0%</td>
<td>6%</td>
</tr>
<tr>
<td>19</td>
<td>80-95%</td>
<td>5%</td>
<td>11%</td>
</tr>
<tr>
<td>20</td>
<td>50-80%</td>
<td>0%</td>
<td>8%</td>
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<tr>
<td>21</td>
<td>0-50%</td>
<td>5%</td>
<td>13%</td>
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<td>22</td>
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<td>90%</td>
<td>60%</td>
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<td>23</td>
<td>Sub-total</td>
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<td>100%</td>
</tr>
<tr>
<td>24</td>
<td>Number of Transplanted Patients with cPRA &gt;80%</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>25</td>
<td>Percent of Transplanted Patients with cPRA &gt;80%</td>
<td>5%</td>
<td>19%</td>
</tr>
<tr>
<td>26</td>
<td>Number of Unmatched Patients by cPRA (3/31/2012)</td>
<td>5%</td>
<td>19%</td>
</tr>
<tr>
<td>27</td>
<td>100%</td>
<td>93</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>95-99%</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>80-95%</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>50-80%</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>0-50%</td>
<td>18</td>
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<tr>
<td>32</td>
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<td>41</td>
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<tr>
<td>33</td>
<td>Sub-total</td>
<td>212</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Percent of Unmatched Patients by cPRA (3/31/2012)</td>
<td>44%</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>100%</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>95-99%</td>
<td>17%</td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>80-95%</td>
<td>6%</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>50-80%</td>
<td>6%</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>0-50%</td>
<td>8%</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>0%</td>
<td>19%</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>Sub-total</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>Number of Transplants Completed by Wait Time</td>
<td>21</td>
<td>42</td>
</tr>
<tr>
<td>43</td>
<td>&lt; 6 months</td>
<td>100.0%</td>
<td>75.0%</td>
</tr>
<tr>
<td>44</td>
<td>6-12 months</td>
<td>0.0%</td>
<td>17.9%</td>
</tr>
<tr>
<td>45</td>
<td>1-2 years</td>
<td>0.0%</td>
<td>7.1%</td>
</tr>
<tr>
<td>46</td>
<td>2+ years</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>47</td>
<td>Sub-total</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>48</td>
<td>Percent of Transplants Completed by Wait Time</td>
<td>21</td>
<td>42</td>
</tr>
<tr>
<td>49</td>
<td>&lt; 6 months</td>
<td>100.0%</td>
<td>75.0%</td>
</tr>
<tr>
<td>50</td>
<td>6-12 months</td>
<td>0.0%</td>
<td>17.9%</td>
</tr>
<tr>
<td>51</td>
<td>1-2 years</td>
<td>0.0%</td>
<td>7.1%</td>
</tr>
<tr>
<td>52</td>
<td>2+ years</td>
<td>0.0%</td>
<td>0.0%</td>
</tr>
<tr>
<td>53</td>
<td>Sub-total</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>54</td>
<td>Total Chains Started</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>55</td>
<td>Total Loops Completed</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>56</td>
<td>Number of broken chains</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>57</td>
<td>Bridge donors held (2012 is estimated)</td>
<td>9</td>
<td>29</td>
</tr>
<tr>
<td>58</td>
<td>Percent of broken chains</td>
<td>33%</td>
<td>7%</td>
</tr>
<tr>
<td>59</td>
<td>Sub-total</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>
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Yolanda Becker, MD
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Assistant Professor, David Geffen School of Medicine at UCLA