## Human Centered Design Toolkit

**Navigating the Toolkit**

The Human Centered Design Toolkit is designed to help you design innovative solutions that meet the needs of people with kidney failure. It uses the Innovation: Human Needs & Technology scale to guide your work. This scale consists of three tools:

1. **Problem Statements**
2. **Design Principles**
3. **Metrics & Impact Measures**

The toolkit also provides three fictional ambassadors to help illustrate how you can effectively design for people with kidney failure. These ambassadors are:

- **Chris**
- **Laura**
- **Randy**

### 1. Human Centered Innovation

Innovation is Human Needs & Technology

<table>
<thead>
<tr>
<th>Fraction of Problem Space</th>
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</thead>
<tbody>
<tr>
<td><strong>Survival</strong></td>
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<tr>
<td><strong>Emotional</strong></td>
</tr>
<tr>
<td><strong>Psychological</strong></td>
</tr>
<tr>
<td><strong>Safety &amp; Side Effects</strong></td>
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</tbody>
</table>

### 2. Problem Statements & Design Principles

#### Problem Statements

**Chris**

- Help me to survive kidney failure

**Laura**

- Helping me to become a care partner

**Randy**

- Free me from living as a patient

#### Design Principles

1. **Survival**
   - Freedom
   - Safety
   - Side Effects

2. **Emotional**
   - Autonomy
   - Connectedness
   - Meaningful

3. **Psychological**
   - Esteem
   - Self-actualization

### 3. Metrics & Impact Measures

**Version 2**

- **Innovative**
- **Transformational**

What's Next

We hope this toolkit will help you design better artificial kidneys evaluated by how well they meet people's needs. To help design better artificial kidneys evaluated by how well they meet people's needs, we recommend using metrics and design principles to your product development.

*Image 1 of 4*