5-Diamond Patient Safety Program Data Review, 2014 and 2015

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5diamondpatientsafety.org
esrdnet5.org
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2014 and 2015 Chartbook

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Section 1: 5-Diamond Patient Safety Program Overview and 2015 Highlights
5-Diamond Patient Safety Program Overview

BACKGROUND
Medical errors are the 5th leading cause of death in the United States*

THE PROGRAM
The 5-Diamond Patient Safety Program is an innovative training and recognition program designed to assist dialysis facilities in building a culture of safety among staff and patients.

4 OBJECTIVES

Promote patient safety values

Create an awareness of patient safety issues

Help dialysis facilities learn more about specific areas of patient safety

Build a patient safety culture in every dialysis facility

Source/Note: *Institute of Medicine Report 1999
5-Diamond Patient Safety Program Overview

14 MODULES
Each is a complete educational course with the following available online:
- Objectives
- Measures
- Required & Optional Activities
- Tools & Resources
  - PowerPoint presentations, questionnaires, pre- and/or post-tests to engage staff
  - Posters, games, and activities to engage patients

5-DIAMOND FACILITIES
Dialysis facilities completing 5 modules are recognized as 5-Diamond Patient Safety organizations and can promote their accomplishments to their patients
5-Diamond Patient Safety Program

**2015 HIGHLIGHTS**

- **1,290** Participating Facilities
- **543** 5-Diamond Recipients
- **22,591** Staff Trained
- **91,554** Patients Cared For

**13 Partner Networks**

**TOP 6 NETWORKS**

- **11**
- **2**
- **4**
- **8**
- **15**
- **5**

- **19%**
- **16%**
- **15%**
- **15%**
- **12%**
- **10%**

**2 Corporate Commitments**

- Fresenius Medical Care
  - Since 2014
  - In 2016

**4 Most Popular Modules**

- Patient Safety Principles**
- Hand Hygiene
- Slips, Trips, & Falls
- Influenza Vaccination

**2 Resources Requested**

- In-Service Training for Staff
- Educational Materials for Patients

Source: 5-Diamond Patient Safety Program data collected online, Final Diamond Status table/file, 2015

Notes: *DCI facilities are included in Network numbers. **Mandatory module.
Section 2: 5-Diamond Patient Safety Program Participation
5-Diamond Patient Safety Program Participation

Chart 2.1: High-Level View of Facility Participation,* 2014 and 2015

TOTAL FACILITIES

<table>
<thead>
<tr>
<th>Year</th>
<th>Facilities</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>1,290</td>
<td>15%</td>
</tr>
<tr>
<td>2014</td>
<td>1,125</td>
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</tbody>
</table>

5-DIAMOND RECIPIENTS

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipients</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>543</td>
<td>11%</td>
</tr>
<tr>
<td>2014</td>
<td>490</td>
<td></td>
</tr>
</tbody>
</table>

PATIENTS CARED FOR

<table>
<thead>
<tr>
<th>Year</th>
<th>Patients</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>91,554</td>
<td>15%</td>
</tr>
<tr>
<td>2014</td>
<td>79,771</td>
<td></td>
</tr>
</tbody>
</table>

STAFF TRAINED

<table>
<thead>
<tr>
<th>Year</th>
<th>Trained</th>
<th>Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>22,591</td>
<td>16%</td>
</tr>
<tr>
<td>2014</td>
<td>19,521</td>
<td></td>
</tr>
</tbody>
</table>

Source: 5-Diamond Patient Safety Program data collected online, Final Diamond Status table/file, 2014 and 2015

Notes: *“Participants” refers to dialysis facilities that registered for the 5-Diamond Patient Safety Program. Patients do not participate in the 5-Diamond Program.

The 5-Diamond Program is growing
5-Diamond Patient Safety Program Participation

Chart 2.2: Rate of Participation* and Receiving 5 Diamonds** by Ownership, 2015

- 20% of all facilities nationally participated in the 5-Diamond Program in 2015
- Since 2014, DCI has made a corporate commitment to have all facilities participate
- DCI and independent facilities had higher rates of participation and 5-Diamond achievement than DaVita and FMC
- This program seems especially valuable to SDOs*** and independent facilities which may have fewer educational resources than the LDOs****
- FMC has committed all of its facilities to participating in 2016

Source: 5-Diamond Patient Safety Program data collected online, Final Diamond Status table/file, 2014 and 2015; DFCompare 2015-10-08 and DFCompare 2014-10-23 databases
Notes: *Participants include all facilities that registered for the 5-Diamond Program, earning 0 to 5 Diamonds. **5-Diamond Recipients are participating facilities that earned 5 Diamonds. ***Small Dialysis Organizations ****Large Dialysis Organizations. This chart shows the % of the LDO/SDO/independent/total facilities that participated in the 5-Diamond Program and earned 5 Diamonds.
5-Diamond Patient Safety Program Participation

Chart 2.3: Ownership Distribution of Program Participants* and 5-Diamond Recipients,** 2014 and 2015

Source: 5-Diamond Patient Safety Program data collected online, Final Diamond Status table/file, 2014 and 2015; DFCompare 2015-10-08 and DFCompare 2014-10-23 databases
Notes: *Participants include all facilities that registered for the 5-Diamond Program, earning 0 to 5 Diamonds.
**5-Diamond Recipients are participating facilities that earned 5 Diamonds. This chart shows the % of total participating facilities that were LDO/SDO or independently owned as well as the % of total 5-Diamond facilities that were LDO/SDO or independently owned. Percentages are rounded to the nearest integer.
13 of 18 Networks partnered with MARC in administering the 5-Diamond Program (shown in blue).

Source: 5-Diamond Patient Safety Program data collected online, Final Diamond Status table/file, 2015
Note: Partner Networks, those in which the Network office/staff administered the program, are represented in blue.
5-Diamond Patient Safety Program Participation

Chart 2.5: Percentage of Network Facilities That Participated in 5-Diamond Program, 2015

- 13 of 18 Networks partnered with MARC in administering the 5-Diamond Program (shown in blue)
- Facilities from non-partner Networks were managed by a partner Network
- Tended to be higher rates of participation within partner Networks

Source: 5-Diamond Patient Safety Program data collected online, Final Diamond Status table/file, 2015; DFCompare 2015-10-08 database.

Notes: DCI facilities are included in Network numbers. This chart includes 0-5 Diamond recipients. Partner Networks, those in which the Network office/staff administered the program, are represented in blue.
5-Diamond Patient Safety Program Participation

Chart 2.6: Percentage of Network Facilities That Received 5 Diamonds, 2015

- 13 of 18 Networks partnered with MARC in administering the 5-Diamond Program (shown in blue)
- Facilities from non-partner Networks were managed by a partner Network
- Tended to be higher rates of receiving 5 Diamonds within partner Networks

Source: 5-Diamond Patient Safety Program data collected online, Final Diamond Status table/file, 2015; DFCompare 2015-10-08 database.

Notes: DCI facilities are included in Network numbers. This chart includes 0-5 Diamond recipients. Partner Networks, those in which the Network office/staff administered the program, are represented in blue.
5-Diamond Patient Safety Program Participation

Chart 2.7: Facility Participation by Program Module, 2015

- **Hand Hygiene and Influenza Vaccination** top the list and have a large impact on patients’ health.
- **Medication Reconciliation** is complex and a leading cause of healthcare-related mistakes.
- Patients would benefit if more facilities completed the Medication Reconciliation module.

<table>
<thead>
<tr>
<th>Program Module</th>
<th>% of 5-Diamond Participating Facilities Which Completed the Module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hand Hygiene</td>
<td>60%</td>
</tr>
<tr>
<td>Influenza Vaccination</td>
<td>37%</td>
</tr>
<tr>
<td>Slips, Trips, &amp; Falls</td>
<td>19%</td>
</tr>
<tr>
<td>Medication Reconciliation</td>
<td>18%</td>
</tr>
<tr>
<td>Communication</td>
<td>10%</td>
</tr>
<tr>
<td>Transplantation</td>
<td>9%</td>
</tr>
<tr>
<td>Constant Site Cannulation</td>
<td>9%</td>
</tr>
<tr>
<td>Health Literacy</td>
<td>8%</td>
</tr>
<tr>
<td>Sharps Safety</td>
<td>8%</td>
</tr>
<tr>
<td>Emergency Preparedness</td>
<td>7%</td>
</tr>
<tr>
<td>Stenosis/Vascular Access</td>
<td>7%</td>
</tr>
<tr>
<td>Patient-Provider Conflict</td>
<td>6%</td>
</tr>
<tr>
<td>Missed Treatments</td>
<td>4%</td>
</tr>
<tr>
<td>Medication Reconciliation</td>
<td>1%</td>
</tr>
</tbody>
</table>

Source: 5-Diamond Patient Safety Program data collected online, individual modules’ tables/files, 2015
Section 3: Comparison of Non-Diamond and 1-5 Diamond Facilities
Comparison of Non-Diamond and 1-5 Diamond Facilities

Slide 3.1: Reason for Non-Diamond Facilities

- Networks have used 5-Diamond Patient Safety Program modules for quality improvement initiatives
- Therefore, dialysis facilities have registered for the program to gain access to the modules, but have not applied for Diamond status, resulting in non-Diamond participating facilities

Source: 5-Diamond Patient Safety Program data collected online, Final Diamond Status table/file, 2014 and 2015
Comparison of Non-Diamond and 1-5 Diamond Facilities

Chart 3.2: Comparison of Staff and Patients Represented by Non-Diamond Facilities and 1-5 Diamond Facilities, 2014 and 2015

1-5 Diamond facilities tend to have slightly fewer staff and patients represented per facility

Source: 5-Diamond Patient Safety Program data collected online, Final Diamond Status table/file, 2014 and 2015
Comparison of Non-Diamond and 1-5 Diamond Facilities

Chart 3.3: Rural/Urban Distribution of Non-Diamond Facilities and 1-5 Diamond Facilities, 2015

1-5 Diamond facilities have a larger proportion of rural facilities compared to non-Diamond facilities and the national proportion of 22%*

Note: *In 2013, 22% of facilities nationwide were rural.
Section 4: Patient Safety Principles
Patient Safety Principles Module

Table 4.1: Overview of Participation in Patient Safety Principles Module,* 2015

| FACILITIES | 773 |
| STAFF      | 13,456 |
| PATIENTS REPRESENTED | 51,943 |

Chart 4.2: Distribution of Staff Completing Patient Safety Principles Module, 2015

- Patient Care Technicians: 36%
- Nurses: 33%
- Physicians: 6%
- Equipment Technicians: 3%
- Management: 6%
- Other: 16%


Notes: *Mandatory module. Facilities are the participants in the 5-Diamond Program. Staff receive training through the 5-Diamond Program. Patient numbers are those cared for at participating facilities. Patients do not participate.
In smaller facilities, staff were more likely to answer the questions positively.

In smaller facilities, staff were more likely to answer the questions positively.

66% of facilities confirmed that new opportunities to improve patient safety were identified by their team during this module.
Patient Safety Principles Module

Chart 4.6: Best Practices Identification, 2015

When identifying best practices, facility staff emphasized:*  
1. Safety  
2. Communication  
3. Patients  
4. Staff  
5. Errors  
6. Importance  
7. Care  
8. Awareness  
9. Improvement  
10. Changes  
11. Culture

Notes: *Best practices key words are listed in descending order of number of references (#9-11 were equal). Patient Safety Principles is a mandatory module. The word cloud (picture) was made using wordclouds.com and Excel.
Patient Safety Principles Module

Chart 4.7: Need for Additional Resources, 2015

- Opportunity to provide additional training for staff
- Even greater opportunity to provide educational materials for patients

Notes: Patient Safety Principles is a mandatory module.
Section 5: Thank You to Participants and Sponsors
Thank You to Participants and Sponsors

THANK YOU

• Thank you to participating dialysis facilities, Networks and sponsors for your commitment to patient safety
• To learn more about the 5-Diamond Patient Safety Program or to register as a participant visit 5diamondpatientsafety.org