UCSF Tele ECHO in Northern California: Distance learning for Hepatitis C infection

Didactic Programming

Key areas of HCV covered:
- Screening and diagnostics
- HCV natural history and anticipated complications
- HCV treatment algorithms
- Managing treatment-related complications
- Treatment of special populations
- Chronic liver disease management
- Other concurrent liver diseases
  - Fatty liver
  - Iron overload

HCV Voice: Access to Experts

- Text or call with urgent or semi-urgent questions regarding HCV or liver disease

Pharmacist: Key to ECHO Team

- List of the insurers’ “preferred” HCV drugs
- Checklists for what is needed to secure prior authorization
- Template language for appeals
- Knowing eligibility for PAP (patient assistance programs)
- Experts on drug-drug interactions (and best web-sites to use)

ECHO Increases Provider Knowledge & Confidence

HCV Provider Evaluation Pre and 22 Clinics

<table>
<thead>
<tr>
<th>I am confident in my ability to...</th>
<th>1-month</th>
<th>6-month</th>
<th>12-month</th>
<th>2-year</th>
<th>5-year</th>
<th>DIFFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screen patients for HCV</td>
<td>3.65</td>
<td>3.77</td>
<td>3.99</td>
<td>4.02</td>
<td>4.10</td>
<td>+0.21</td>
</tr>
<tr>
<td>Identify suitable candidates for HCV treatment</td>
<td>3.54</td>
<td>3.60</td>
<td>3.68</td>
<td>3.70</td>
<td>3.71</td>
<td>+0.07</td>
</tr>
<tr>
<td>Manage HCV treatment of patients with end stage HCV disease</td>
<td>3.33</td>
<td>3.44</td>
<td>3.49</td>
<td>3.51</td>
<td>3.53</td>
<td>+0.21</td>
</tr>
<tr>
<td>Manage the side effects of HCV treatment</td>
<td>3.77</td>
<td>3.82</td>
<td>3.90</td>
<td>3.95</td>
<td>3.98</td>
<td>+0.21</td>
</tr>
<tr>
<td>Monitor patients with HCV</td>
<td>3.40</td>
<td>3.46</td>
<td>3.50</td>
<td>3.52</td>
<td>3.55</td>
<td>+0.15</td>
</tr>
<tr>
<td>Provide education and counseling to patients with HCV</td>
<td>3.25</td>
<td>3.30</td>
<td>3.35</td>
<td>3.38</td>
<td>3.41</td>
<td>+0.14</td>
</tr>
<tr>
<td>Manage patients with depression</td>
<td>3.15</td>
<td>3.20</td>
<td>3.25</td>
<td>3.28</td>
<td>3.32</td>
<td>+0.15</td>
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</table>

ECHO HCV Provider Evaluation (25 clinics)

<table>
<thead>
<tr>
<th>I am confident in my ability to...</th>
<th>1-month</th>
<th>6-month</th>
<th>12-month</th>
<th>2-year</th>
<th>5-year</th>
<th>DIFFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide consultation to other primary care providers to care for HCV patients</td>
<td>3.24</td>
<td>3.26</td>
<td>3.31</td>
<td>3.34</td>
<td>3.37</td>
<td>+0.13</td>
</tr>
<tr>
<td>Manage HCV during pregnancy</td>
<td>1.09</td>
<td>2.00</td>
<td>3.00</td>
<td>4.00</td>
<td>5.00</td>
<td>+1.00</td>
</tr>
<tr>
<td>Treat patients with HCV according to guidelines of best practice</td>
<td>2.06</td>
<td>2.10</td>
<td>2.14</td>
<td>2.18</td>
<td>2.20</td>
<td>+0.14</td>
</tr>
<tr>
<td>Educate clinic staff about patients with HCV</td>
<td>2.81</td>
<td>3.00</td>
<td>3.08</td>
<td>3.14</td>
<td>3.18</td>
<td>+0.14</td>
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<tr>
<td>Manage HCV treatment of patients resistant to first line treatment</td>
<td>2.87</td>
<td>3.00</td>
<td>3.05</td>
<td>3.09</td>
<td>3.13</td>
<td>+0.14</td>
</tr>
<tr>
<td>Manage HCV treatment of HCV co-infected patients</td>
<td>2.97</td>
<td>3.00</td>
<td>3.05</td>
<td>3.09</td>
<td>3.13</td>
<td>+0.14</td>
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<tr>
<td>Manage HCV treatment of patients with cirrhosis</td>
<td>2.75</td>
<td>2.80</td>
<td>2.84</td>
<td>2.88</td>
<td>2.90</td>
<td>+0.14</td>
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</table>

Summary

- HCV remains a major contributor to morbidity and mortality in the U.S. and globally
- HCV elimination is within reach
- World Health Organization has targeted 2030
- Everyone has a role to play to help achieve elimination
- Extension for Community Healthcare Outcomes
- ECHO has unique role in achieving HCV elimination
- ECHO has broader applications → model of partnering in care of complex patients
- ECHO-Plus is set to launch in January 2017
- To address the substantial gaps in HCV care in Northern and Central California

Acknowledgments

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