Online Supplement

A national survey of telemedicine use by U.S. emergency departments

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1.
Survey Instrument

National Emergency Department Inventory

This survey is funded by the R.Baby Foundation (www.rbabycastle.org).

Please find below questions that apply to the year 2016 (either fiscal or calendar year is acceptable). If you find the precise answer, we welcome your best estimate. We would like to know the following about your ED:

1. What is the name of your hospital/ED? __________________________________________________________

2. What is the mailing address of your hospital/ED? __________________________________________________________

3. In 2016, was your ED open:
   a. 24 hours/day, 7 days/week? □ Yes □ No  
   b. 365 days per year? □ Yes
   If NO to either question, please explain: __________________________________________________________

4. Please indicate the total number of patient visits at your ED and the 12-month reporting period:

   # ED VISITS
   From / / to / /
   MM YY  MM YY

5. Approximate number of visits by children per year:
   a. Children (e.g., age <18) ____________________________

   b. If your ED uses another age to distinguish between children and adults (e.g., age 21 years), and data for age <18, please respond above according to your ED’s cut-off. If you have used an age other than <18 years, please specify cut-off here: Age < ______ ?

6. For EDs that regularly treat adults: Does your ED have a separate "pediatric ED" (i.e., a dedicated children only)? □ Yes □ No □ Not applicable (e.g., children’s hospital)

7. Do you have identified coordinators for pediatric emergency medicine in your ED? (check all that apply):
   □ Yes, physician coordinator(s)  □ Yes, nurse coordinator(s) □ No
   □ Yes, other coordinator(s) (e.g., PA, administrator), please specify: __________________________________________

8. Does your hospital provide telemedicine services for patient evaluation? □ Yes □ No

9. Does your ED receive telemedicine services for patient evaluation? □ Yes □ No

   If your ED receives telemedicine services, does your ED utilize telemedicine for: (check all that apply):
   □ Pediatrics □ Psychiatry □ Dermatology □ Transfer coordinator
   □ Stroke/Neuro □ Trauma □ Radiology □ Other: __________________________________________

The results from this national survey will be used to upgrade our existing app, EMNet: findERnow. We hope this short, simple survey as we work to bring accurate, beneficial ED information directly to those in need.

Please take a moment to send your answers to us in the attached, pre-paid envelope. If you prefer, we also welcome your email (emnet@partners.org) or by fax to 617-724-4050. Another option is to complete this short form on https://is.ed/findERnow (please note that the URL is case-sensitive).

Thank you for your help!

Carlos Camargo

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Supplemental Table. Characteristics of Non-responding versus Responding Emergency Departments to 2016 NEDI-USA Survey

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Non-responders n=868 n (%)</th>
<th>Responded to NEDI-USA, but incomplete telemedicine use questions, n=476 n (%)</th>
<th>Responded to NEDI-USA and completed telemedicine use questions n=4,031 n (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total visit volume in 2015, median (IQR)</td>
<td>21,573 (7,608-40,150)</td>
<td>32,850 (13,939-55,000)</td>
<td>19,744 (7,300-40,325)</td>
</tr>
<tr>
<td>Rural</td>
<td>164 (19%)</td>
<td>79 (17%)</td>
<td>1,010 (25%)</td>
</tr>
<tr>
<td>Academic</td>
<td>33 (4%)</td>
<td>48 (10%)</td>
<td>181 (4%)</td>
</tr>
<tr>
<td>Freestanding</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Satellite</td>
<td>127 (15%)</td>
<td>40 (8%)</td>
<td>442 (11%)</td>
</tr>
<tr>
<td>Autonomous</td>
<td>49 (6%)</td>
<td>30 (6%)</td>
<td>255 (6%)</td>
</tr>
<tr>
<td>Critical access hospital</td>
<td>151 (17%)</td>
<td>68 (14%)</td>
<td>1,111 (28%)</td>
</tr>
</tbody>
</table>

Data source: NEDI-USA 2015. Data are missing for newer EDs (i.e., those that opened after NEDI-USA 2015 database was closed)

Abbreviations: ED, Emergency Department; IQR, Interquartile Range