Mobile Learning: Mobile Device use Among Graduate Students

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Background

- Mobile Learning, the use of portable electronic devices to access and share information, is revolutionizing learning and instruction.2,5
- 1.5 million iPads are being used in the public schools.3
- Colleges are integrating these devices into their curriculum.4
- Publishers are exploring ways to capitalize on tablet features to make e-textbooks more interactive.5

Significance

- Mobile devices have been found to increase participation, group work, and productivity in undergraduate curriculum.
- There is no available research on mobile device use in graduate curricula.

Purpose

- To obtain information on mobile device use in order to enhance and support learning in a graduate program.

Research questions:
1. How many Stockton MSOT students have access to/use mobile devices?
2. How are mobile devices used among students to enhance learning in a graduate program?

Methodology

- A mixed qualitative and quantitative design.
- A survey was created to yield information regarding frequency of mobile device use and quality of use.
- Students completed a questionnaire using a Likert scale and open-ended questions.
- Sample included 39 female and 6 male students in an MSOT program

Results

- There were no differences in mobile device use among females and males.
- There were no differences in mobile device use among different age groups.
- 91% of students reported feeling very comfortable using mobile devices.
- 97% of students reported using mobile devices multiple times a week.

Reported Mobile Device Use Among Students

<table>
<thead>
<tr>
<th>Device</th>
<th>Percentage</th>
</tr>
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<tbody>
<tr>
<td>Apple iPad</td>
<td>21%</td>
</tr>
<tr>
<td>Apple iPhone</td>
<td>6%</td>
</tr>
<tr>
<td>Android</td>
<td>9%</td>
</tr>
<tr>
<td>Kindle</td>
<td>21%</td>
</tr>
<tr>
<td>Windows Tablet</td>
<td>7%</td>
</tr>
<tr>
<td>None</td>
<td>1%</td>
</tr>
<tr>
<td>Other</td>
<td>1%</td>
</tr>
</tbody>
</table>

Future Research

- Determine the effect of these devices on academic performance.
- Does it impact self-directed learning?
- The potential applications of mobile devices in clinical settings.

References