Internet of Things: Legal issues in eHealth

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Address questions on Twitter using the hashtag #DLAPiperIoT
What is the size of the eHealth market?

### Device & Service (in Millions of US Dollars)

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Patients (in Thousands)</td>
<td>344.3</td>
<td>482.7</td>
<td>725.0</td>
<td>1255.5</td>
<td>2230.3</td>
<td>3968.8</td>
<td>7057.3</td>
</tr>
</tbody>
</table>

### Global Forecast of Telehealth Patients and Device and Service Revenue

(Thousands of Patients and Revenue in Millions of US Dollars)

**Worldwide Internet of Things Revenue Opportunity**

**2018**

- Banking: $154 B
- Manufacturing: $913 B
- Retail: $326 B
- Healthcare: $313 B
- Transportation: $325 B
- Utilities: $201 B
- Government: $570 B
- Other: $1.79 T
- Total: $4.59 T

**2014**

- Banking: $92 B
- Manufacturing: $472 B
- Retail: $160 B
- Healthcare: $132 B
- Transportation: $156 B
- Utilities: $100 B
- Government: $301 B
- Other: $877 B
- Total: $2.29 T

Source: IHS Technology, January 2014
This simple picture....

hides a number of legal issues....
What is a medical device?

Hardware

Software

Cloud
Types of data?  

Declared purpose of usage?
And if you cross the line...

You have to deal with all these parties...

And their legal issues...
Where are the doctor and the patient located?
Who is liable in case of mistakes?
What if security measures are NOT "adequate"?

EU Data Protection Regulation

Notification Obligation

Monetary Fines

Potential criminal liabilities
Who is liable?

Who owns the data?

Who is the decision maker?

How is data collected?
How to minimize risks?

Privacy by Design

Anonymous Data
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Any Questions?
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