Dashboard

- A **dashboard** is a business reporting tool consolidating and displaying critical metrics and key performance indicators (KPIs) on one screen/page.
- Dashboards allow real-time performance to be monitored, usually with multiple graphics.
- Dashboards are used at every level of an organization.

Need to communicate current status → **Dashboard Creation Process** → Graphical informational display

Metrics can use elements to show meta information. Below, see change in color and arrow direction

share price		share price	
1.83 ⬆		**–0.52** ⬇	

1. **Determine audience**
   A. Who benefits from the dashboard?
2. **Select metrics**
   A. Which metrics, ideally 3-7, should appear? (The audience should influence the metrics.)
   A. Common metrics: customer complaints, product defects, safety, system downtime, or sales.
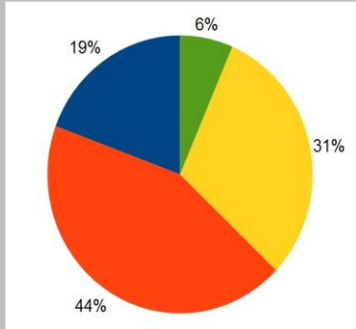3. **Design presentation**
   A. How should each metric be represented?
   B. How should the metrics appear in the display?
4. **Implementation**
   1. How will the metric values be updated?
   2. How often will the metric values be updated?
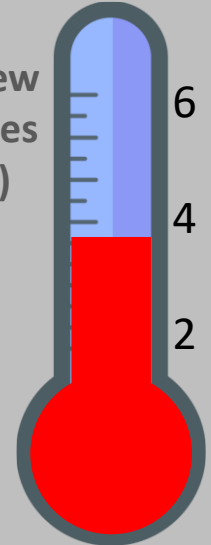5. **Review and update as needed**

Dashboard – Example – 6in6 web site
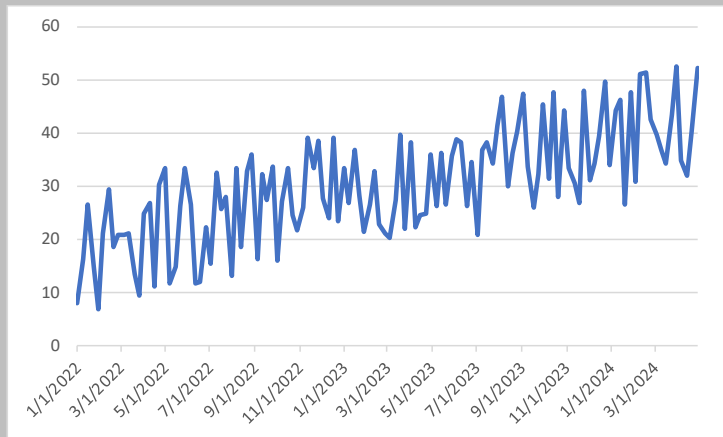

Weekly 6in6 viewers
- Asia
- Europe
- North America
- Other

Pie chart: 6%, 19%, 31%, 44%

4 July 2023 – 6in6 web site

Number of new 6in6 web pages (this month)

Thermometer showing 6, 4, 2

Weekly number of 6in6 web pages served

Line chart from 1/1/2022 to 3/1/2024, y-axis 0 to 60

DFMA
Today's most popular 6in6 presentation

213
DAYS WITHOUT A REPORTABLE ACCIDENT

Figure credits
https://commons.wikimedia.org/wiki/File:Pie-chart.jpg
https://openclipart.org/detail/323734/thermometer

Dashboard – Notes

Slide 1

1. While a dashboard may be electric and updated every second, they may also be on paper and updated by hand.
2. Electronic dashboards may be viewed, for example, on a large public monitor or via a web application.
3. There is a fundamental difference a dashboard and a scorecard:
    A. Dashboard: a performance *monitoring* system, it has real-time views of KPIs
    B. Scorecard: a performance *management* system, it compares current state to organizational goals

Slide 2

1. This example has graphics for multiple KPIs.
2. The different graphics shown include:
    A. A pie chart
    B. A line chart
    C. A number
    D. A text block
    E. A thermometer
3. Other common elements that sometimes appear are:
    A. Histograms
    B. Bar charts & stacked bar charts