

**RESPONSIVE CODES:
MEETING THE CHALLENGES OF A RAPIDLY
EVOLVING HEALTHCARE SYSTEM**

JOHN WILLIAMS

WASHINGTON STATE DEPARTMENT OF HEALTH

LEARNING OBJECTIVES

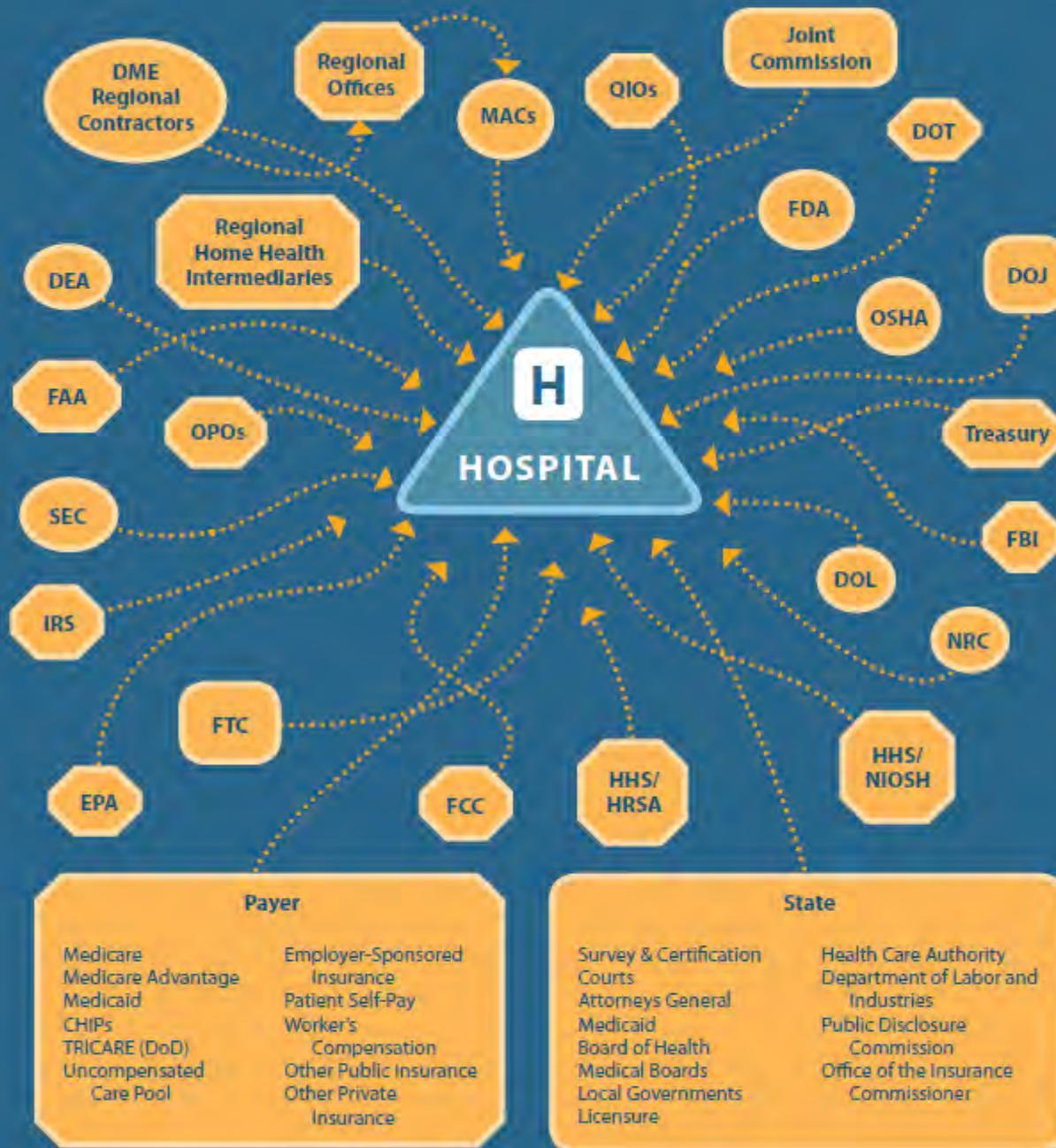
- Consolidation/Consistency
- Flexibility/ Scalability
- Risk Assessments
- Code Development

FOCUS

- Patient/Occupant safety

RESPONSIVE CODES

- Consolidation
- Consistency

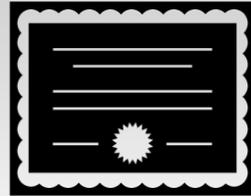


American Society for Health Care Engineering, 2013 Advocacy Report

Federal



State



**Local
Building**



**Third
Party**





ICC/ASHE AD-HOC COMMITTEE ON HEALTHCARE

GOAL:



CHANGES TO THE 2015 ICC CODES

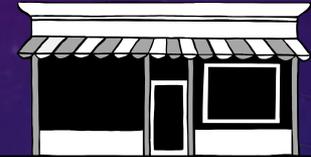
- Scalability
- Flexibility



Acute/Skilled



Residential



Ambulatory

Institutional
Group I-2

Residential
Group I-1/R

Business
Group B



**Institutional
Group I-2**

**Residential
Group I-1/R**

**Business
Group B**

**I-2
Cond.2**

**I-2
Cond.1**

**I-1
Cond.2**

**I-1
Cond.1**

**R-3/
R-4**

**B
AHC**

B

**Total
Evacuation**



**Staged
Evacuation**



**Remain In
Place**



CHANGES TO THE 2015 ICC CODES

- Increased size of suites
- Smoke damper exemption
- Delayed egress
- Fire alarm private mode
- Cooking open to corridor
- **40K smoke compartment**



LOW RISK



MEDIUM RISK



HIGH RISK

PROBABILITY

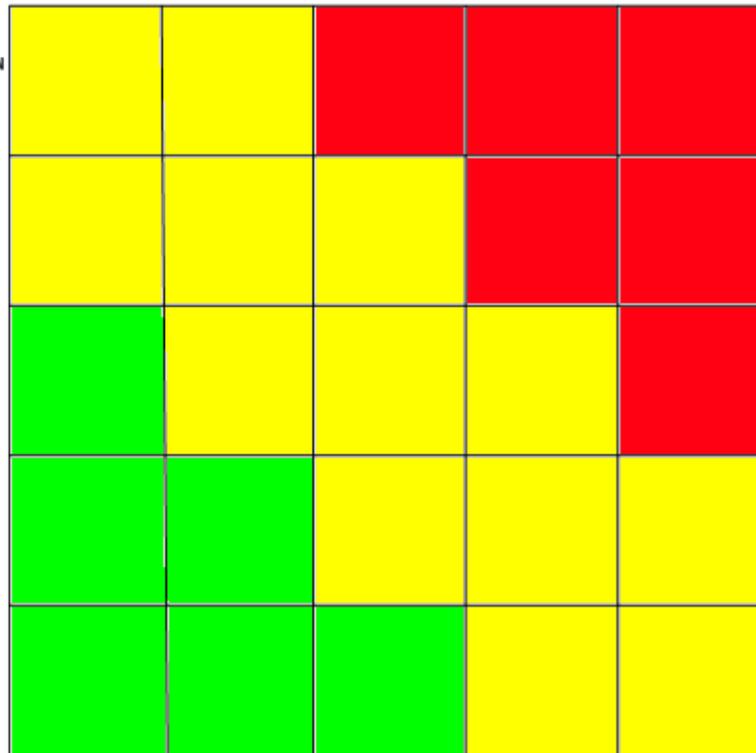
5 ALMOST CERTAIN

4 VERY LIKELY

3 LIKELY

2 UNLIKELY

1 IMPROBABLE



1

2

3

4

5

NEGLIGIBLE

SLIGHT

MODERATE

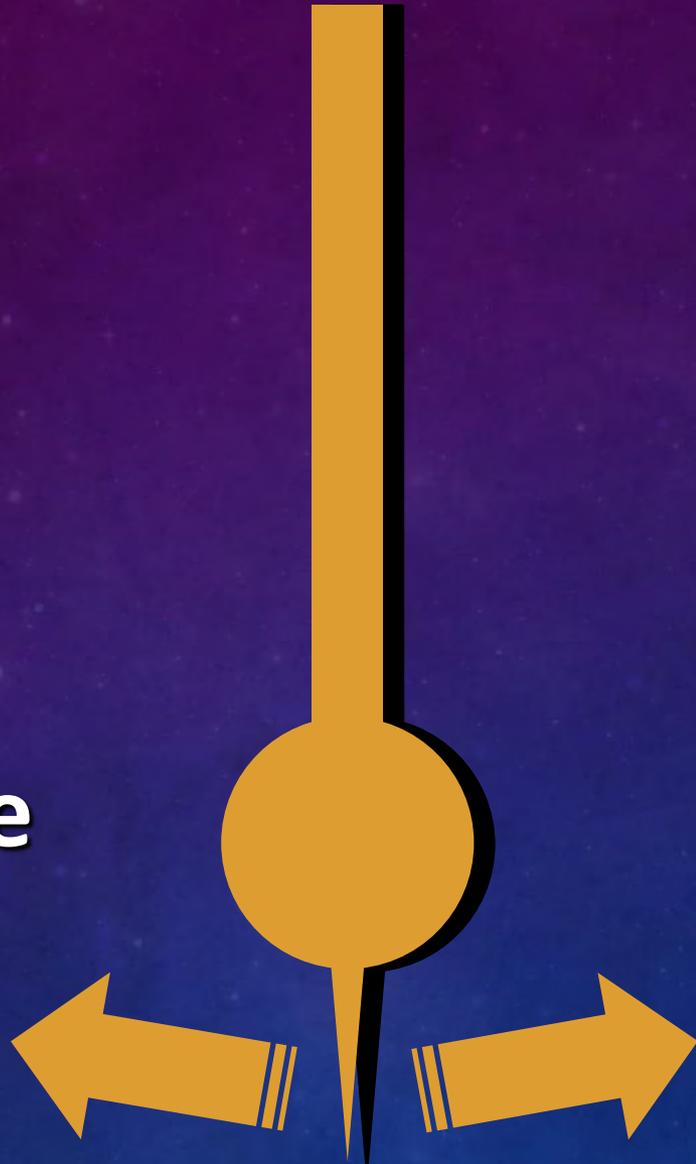
HIGH

VERY HIGH

SEVERITY

Prescriptive

Performance



CODE DEVELOPMENT

- Increasing electronic
 - Online codes
 - Online interaction in development process
 - Online voting

CODE DEVELOPMENT

- More than just code hearings
 - Committee work
 - Data analytics
 - Design Examples

