



# UPSTATE

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***ADULT RAPID RESPONSE TEAM***  
***CODE BLUE TEAM***  
***PROVIDER MODEL CHANGE***  
***DT CAMPUS***





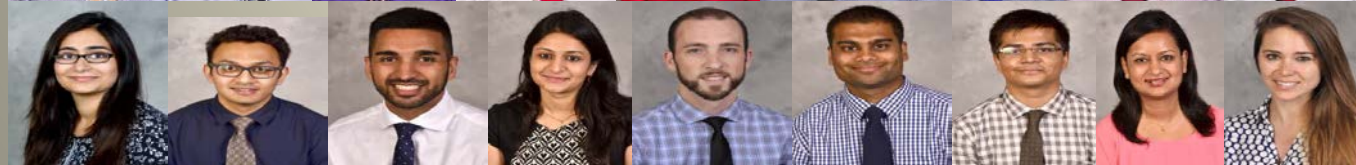
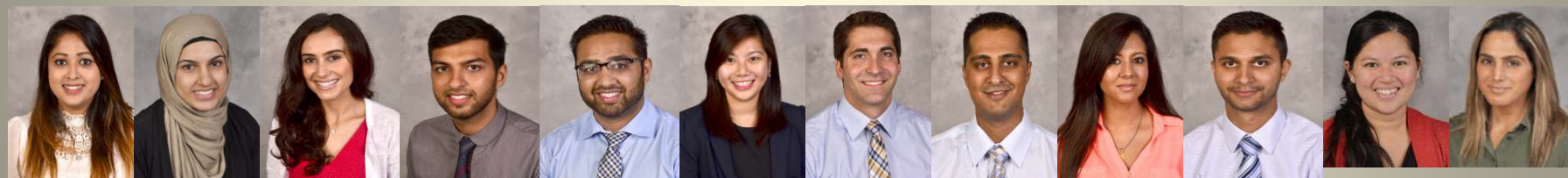
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## ***WHAT'S THE CHANGE?***

**A DEDICATED SENIOR MEDICINE RESIDENT WILL BE THE PROVIDER TEAM  
LEADER OF THE ADULT RRT AND CODE BLUE TEAM**





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***WHEN'S THE CHANGE?***

**JULY 2017**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						<b>1</b>
<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>
<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>
<b>30</b>	<b>31</b>	July Holidays Independence Day - 4				

free-printable-calendars.com





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## ***WHY THE CHANGE?***

EVIDENCE BASED PRACTICE INDICATES THAT MEDICAL EMERGENCY TEAMS WITH CONSISTENT CORE TEAM MEMBERS RESULTS IN:

- ✓ IMPROVED RESPONSE TIMES
- ✓ MORE EFFECTIVE COMMUNICATION
- ✓ MORE EFFECTIVE TEAM DYNAMICS
- ✓ IMPROVED PATIENT OUTCOMES



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## ***MEASURABLE OUTCOMES: RRT***

THE RRT (IN COLLABORATION WITH PRIMARY TEAM) WILL RECOGNIZE AND TREAT ACUTELY DECOMPENSATING PATIENTS, LEADING TO:

- ✓ DECREASED NUMBER OF TRANSFERS TO HIGHER LEVEL OF CARE (CURRENT AVG ~45%)
- ✓ DECREASED NUMBER OF CODE BLUE EVENTS OUTSIDE OF ICU
- ✓ DECREASED MORTALITY



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## ***WHAT HAVE WE DONE ALREADY????***

### ***RRT:***

- ✓ ROBUST MULTI-DISCIPLINARY MEMBERSHIP SPANNING BOTH CAMPUSES
- ✓ MONTHLY CASE REVIEWS INCLUDING THOSE INVOLVED AND OPEN TO ALL NURSING STAFF
- ✓ FORMALIZED POST REVIEW ACTION PLANS
- ✓ GRAND ROUNDS
- ✓ PEDS RRT NOTIFICATION PROCESS MIRRORS ADULT
- ✓ LIVE AT CANCER CENTER- ***MAY 8<sup>TH</sup>!!***
- ✓ PROCEDURAL AREAS- ***COMING SOON!!***



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## ***MEASURABLE OUTCOMES: CODE BLUE***

- ✓ UPSTATE UNIVERSITY HOSPITAL HAS JOINED AHA'S GET WITH THE GUIDELINES- RESUSCITATION PROGRAM TO IMPROVE ADHERENCE TO EVIDENCE BASED CARE OF PATIENTS WHO EXPERIENCE A RESUSCITATION EVENT
- ✓ THE PROGRAM ALLOWS US TO TRACK OUR COMPLIANCE AND BENCHMARK OUR DATA AGAINST HOSPITALS LOCALLY, STATEWIDE, AND NATIONALLY





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## ***MEASURABLE OUTCOMES: CODE BLUE***

UPSTATE'S CODE TEAM WILL ACTIVELY PARTICIPATE IN MANDATORY CODE SIMULATIONS. THIS WILL LEAD TO A SUCCESSFUL, HIGH PERFORMANCE TEAM, WITH A GOAL TO IMPROVE UPON:

- ✓ ADHERENCE TO AHA ALGORITHMS:
  1. TIME TO FIRST CHEST COMPRESSIONS  $\leq$  1 MIN
  2. TIME TO FIRST SHOCK  $\leq$  2 MIN- ***CORE MEASURE!!!***
  3. TIME TO FIRST EPINEPHRINE  $\leq$  5 MIN- ***CORE MEASURE!!!***
  
- ✓ IMPROVE SURVIVAL OF PATIENTS WHO EXPERIENCE IN-HOSPITAL CARDIAC ARREST
  
- ✓ DECREASE MORTALITY





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## ***GET WITH THE GUIDELINES- RESUSCITATION***

- ✓ OVER 800 HOSPITALS ENROLLED NATIONALLY
- ✓ UPSTATE ONLY HOSPITAL IN REGION
- ✓ PRIMARY GOAL: ACHIEVE AND MAINTAIN > 35% RISK ADJUSTED SURVIVAL RATE (NATIONAL AVG ~ 24%)



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## ***UPSTATE DATA- HOW ARE WE DOING?***

- ✓ WE HAVE NOT HAD THE ABILITY TO FORMALLY COLLECT DATA CONSISTENTLY
  
- ✓ IN 2016, THERE WERE OVER 250 CPAS. A RUDIMENTARY REVIEW OF THE QUALITY INDICATORS IDENTIFIED OPPORTUNITIES FOR IMPROVEMENT:
  1. TIME TO FIRST CHEST COMPRESSIONS  $\leq$  1 MIN ~80% COMPLIANCE RATE
  2. TIME TO FIRST SHOCK  $\leq$  2 MIN ~50% COMPLIANCE RATE
  3. TIME TO FIRST EPINEPHRINE  $\leq$  5 MIN ~70% COMPLIANCE RATE



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## **HOW CAN WE IMPROVE????**

- ✓ DRILL, DRILL, DRILL
- ✓ IDENTIFY TEAM LEADER!!!
- ✓ ESTABLISH CODE ROLES QUICKLY
- ✓ MANAGE CROWD CONTROL







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## **WHAT HAVE WE DONE ALREADY????**

### ***Resuscitation:***

- ✓ BEGAN REPORTING ALL RESUSCITATION EVENTS FROM ALL AREAS TO RESUSCITATION COMMITTEE
- ✓ ENROLLED AS A GWTG- RESUSCITATION MEMBER
- ✓ IMPLEMENTED USE OF IO
- ✓ UPGRADED ZOLLS- ETCO2, CPR RATE & DEPTH, DATA UPLOAD
- ✓ ADDED PHARMACY TO CODE TEAMS
- ✓ OVERHAULED RESUSCITATION RECORD- **GO LIVE JULY!!**

Cart Nurse  
(pharmacist)



## CODE ROLES

RT

Anesthesia

Med Nurse

IV/IO Access  
Nurse

CPR  
Compressor

CPR  
Compressor

CPR  
Compressor



Scribe Nurse

Supervisor

Spiritual Care

CPR RECORD FORM

Documentation during code blue

Code Blue Number	Room	Code Blue	Admitted to ICU	Admitted to OR	Responsible Physician	Other Physician



Zoll Nurse



Team Leader



UPD



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## *Debriefing*

- ✓ EFFECTIVE APPROACH TO IMPROVING RESUSCITATION QUALITY
- ✓ CRUCIAL TO OCCUR IMMEDIATELY POST EVENT WITH ACTUAL CARE PROVIDERS PRESENT
- ✓ AHA RECOMMENDS USING A SHORT CHECKLIST
- ✓ TEAM LEADER TO FACILITATE







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