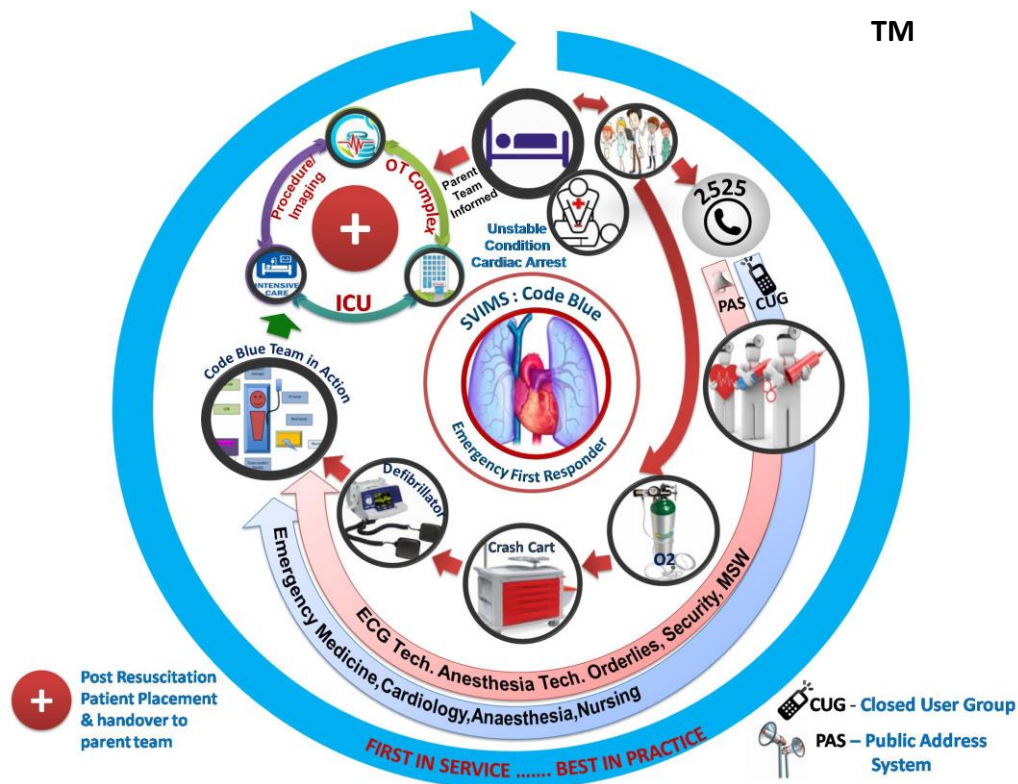


# SVIMS CODE BLUE

It is well recognized that preventable deaths occur in hospitals due to 'failure to rescue' a patient with deteriorating condition. When cardiopulmonary arrest or acute deterioration of condition occurs, appropriate resources need to be summoned to resuscitate & rescue the patient. This concept is codified in 'CODE BLUE'. Code blue teams are in existence for many years in health systems of developed countries, but need emphasis in India. Accordingly, under the leadership of SVIMS Director a working group was formed and **CODE BLUE** is launched in June to establish the process. It is formally unveiled on **12-7-2016** by the **Hon'ble Health Minister**.



TM Application for registration of trademark for the logo is submitted and accordingly, unauthorized reproduction of the logo is prohibited.

Code Blue is a comprehensive process design for emergency responder team and response process to rescue patients and other personnel in the hospital premises. When the person sustains cardio pulmonary arrest or experiences sudden deterioration on physiologic condition Code Blue activates the afferent limb of recruiting the necessary personnel and equipments and medicines as well as the efferent limb of the response and post – response management.

Code Blue has been evolved for integration of all the stakeholders i.e., Emergency physician, Cardiologist, Anaesthetist, Emergency Nurse, ICU physician, Orderly for transportation, Pharmacist, as well as Nurse Manager, Security Officer, Medico Social Worker and Telephone Operator while attending to an emergency situation. Necessary resuscitation medicines, gadgets, including defibrillator will be made available with alacrity. Resuscitation training is imparted to all first responders.

Code Blue may be initiated from any in patient or out patient service areas of the SVIMS hospital by dialling 2525 in the intercom. The 2525 call is only for code blue to mobilize emergency responder team and not for other calls.

The process and outcomes will be monitored regularly for iterative improvement.

**Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati**  
**CODE BLUE DATA**  
**MONTH OF INITIATION OF CODE BLUE: June, 2016**

PERIOD (BY YEAR)	NUMBER OF CALLS			OUTCOMES	
	Total	Initial	*Repeat	Survived	Died
<b>June-Dec, 2016</b>	259	235	24	45	190
<b>Jan- Dec,2017</b>	484	429	55	60	369
<b>Jan - Dec, 2018</b>	691	627	64	112	515
<b>Total</b>	<b>1434</b>	<b>1291</b>	<b>143</b>	<b>217</b>	<b>1074</b>

\* Denotes second CODE BLUE call on a patient who survived initial resuscitation, but sustained another arrest.

**Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati**  
**CODE BLUE DATA**

**June 2016 – December 2016**

<b>PERIOD</b> (June 2016 to Dec 2016)	<b>NUMBER OF CALLS</b>			<b>OUTCOMES</b>	
	<b>Total</b>	<b>Initial</b>	<b>Repeat</b>	<b>Survived</b>	<b>Died</b>
<b>June</b>	33	29	4	6	23
<b>July</b>	58	55	3	12	43
<b>August</b>	35	33	2	8	25
<b>September</b>	33	25	8	3	22
<b>October</b>	33	30	3	6	24
<b>November</b>	28	27	1	3	24
<b>December</b>	39	36	3	7	29
<b>Total</b>	<b>259</b>	<b>235</b>	<b>24</b>	<b>45</b>	<b>190</b>

**Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati**

**CODE BLUE DATA**

**January 2017 – December 2017**

<b>PERIOD</b> (Jan 2017-Dec 2017)	<b>NUMBER OF CALLS</b>			<b>OUTCOMES</b>	
	<b>Total</b>	<b>Initial</b>	<b>Repeat</b>	<b>Survived</b>	<b>Died</b>
<b>January</b>	41	38	3	5	33
<b>February</b>	39	36	3	6	30
<b>March</b>	36	35	1	5	30
<b>April</b>	46	36	10	2	34
<b>May</b>	43	38	5	5	33
<b>June</b>	34	31	3	5	26
<b>July</b>	41	40	1	6	34
<b>August</b>	49	44	5	4	40
<b>September</b>	45	39	6	2	37
<b>October</b>	67	58	9	12	46
<b>November</b>	70	63	7	13	50
<b>December</b>	53	45	8	6	39
<b>TOTAL</b>	<b>484</b>	<b>429</b>	<b>55</b>	<b>60</b>	<b>369</b>

**Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati**  
**CODE BLUE DATA**  
**January 2018 – December 2018**

PERIOD (Jan 2018-Dec 2018)	NUMBER OF CALLS			OUTCOMES	
	Total	Initial	Repeat	Survived	Died
January	45	36	9	6	30
February	49	34	15	0	34
March	65	56	9	11	45
April	46	46	0	18	28
May	61	58	3	8	50
June	56	56	0	16	40
July	52	47	5	6	41
August	64	57	7	7	50
September	56	53	3	14	39
October	73	67	6	8	59
November	54	51	3	8	43
December	70	66	4	10	56
<b>TOTAL</b>	<b>691</b>	<b>627</b>	<b>64</b>	<b>112</b>	<b>515</b>

**Improving the effectiveness and long term survival analysis after Code Blue**

SVIMS is currently performing ‘Analysis of Code Blue outcomes in Long term Survivors’. SVIMS is also conducting audit of the effectiveness of resuscitation as well as instituting ‘Debriefing’ after each Code Blue call. Further, all Code Blue responders are being trained in BLS/ACLS protocol of American Heart Association, through SVIMS International Training Center, designated by AHA.

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