

Minneapolis VAHCS  
Physical Medicine and Rehabilitation (PM&R)  
Acute, Inpatient Rehabilitation



**YEAR IN REVIEW: FISCAL YEAR 2012**  
**1 OCTOBER, 2011 TO 30 SEPTEMBER, 2012**



# Comprehensive Integrated Inpatient Rehabilitation Program

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# CIIRP

# CIIRP FY12: Programming

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- Inpatient Amputation Specialty Program\*
  - Pre-Prosthetic Training
  - Prosthetic Training
- Inpatient Polytrauma/Brain Injury Specialty\* Program
  - Polytrauma/Brain Injury
  - Emerging Consciousness programming
- Inpatient Stroke Specialty Program\*
- Respite Programming

\*CARF accredited through May 2015.

# CIIRP FY12: Year in review

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- Specific achievements and accomplishments
  - CARF survey completed – reaccreditation through May 2015.
- Actions taken to improve performance
  - New process or programs
    - ✦ TruthPoint satisfaction survey
    - ✦ Agitated behavior protocol
    - ✦ Rehab nursing order sets
  - Staff training
    - ✦ Transforming Outcome Data into Management Information
    - ✦ CARF 101

# CIIRP FY12: Inpatients census numbers spanning the year

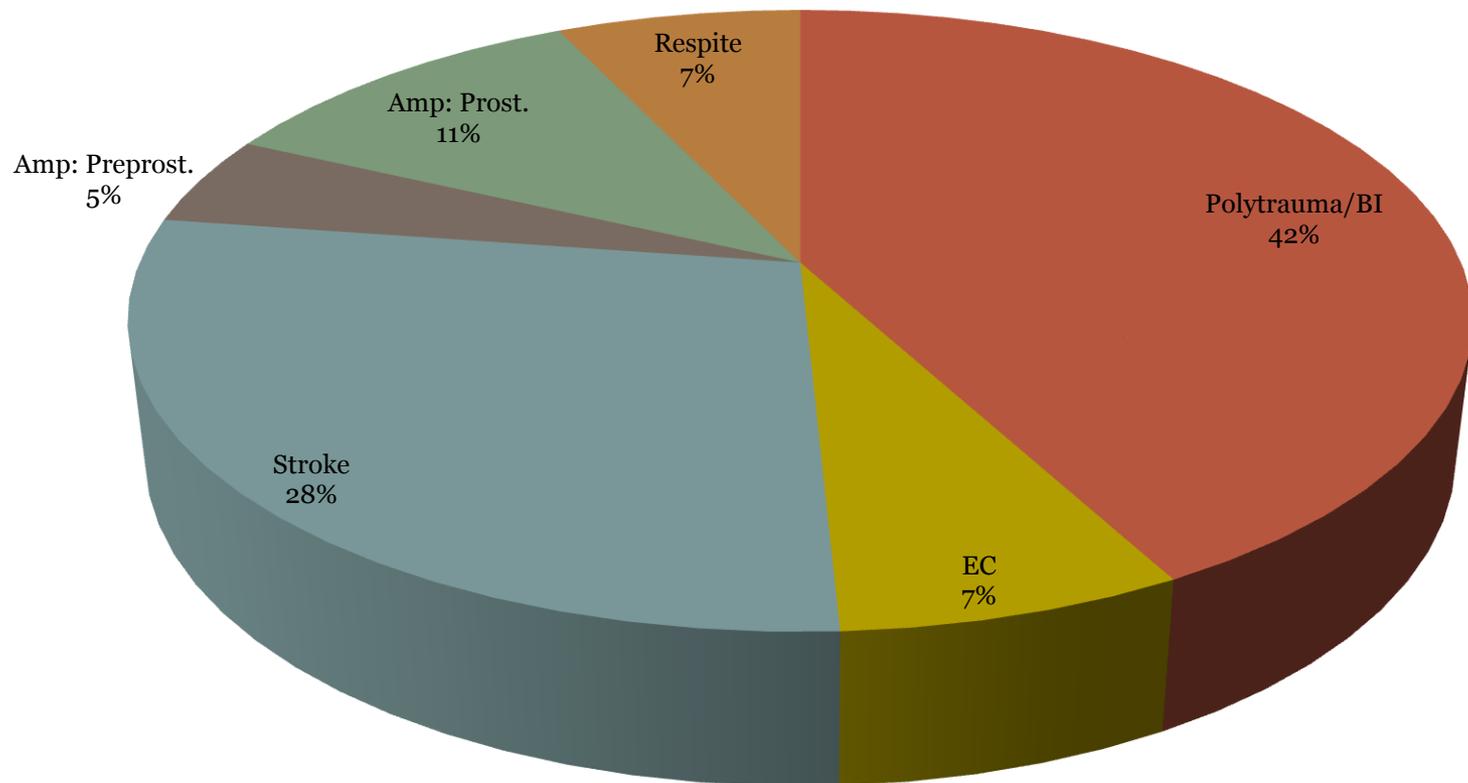
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	Admit FY11 but Discharge FY12	Admit FY12 and Discharge FY12	Admit FY12 but Discharge FY13	Total seen during FY12
Polytrauma/BI	6	43	5	54
Emerging Consciousness	3	3	3	9
Stroke	4	28	4	36
Preprosthetic (Amp)	0	6	0	6
Prosthetic (Amp)	2	11	1	14
Respite patients	0	9	0	9
Total Acute Rehab Admissions	15	100	13	128

# CIIRP FY12: Persons served by Diagnostic Groups (n=128)

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Percent of all inpatients served in FY12



# CIIRP FY12: Average Daily Census\* across the year\*\*

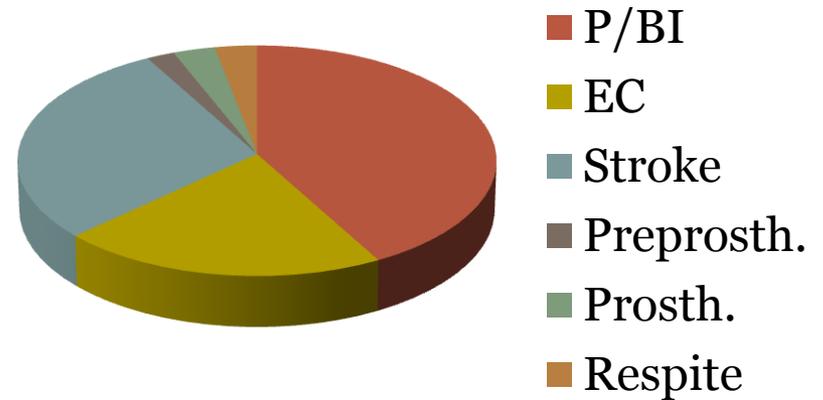
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On any day within the year:	Average number of patients	Percent of total
Polytrauma/BI	6.11	42%
Emerging Consciousness	3.10	21%
Stroke	4.24	29%
Preprosthetic (Amp)	.25	2%
Prosthetic (Amp)	.50	3%
Respite patients	.37	3%
Total	14.57	100%

\*Total bed days of care/365.

\*\* All inpatients between 10.1.11 and 9.30.12.

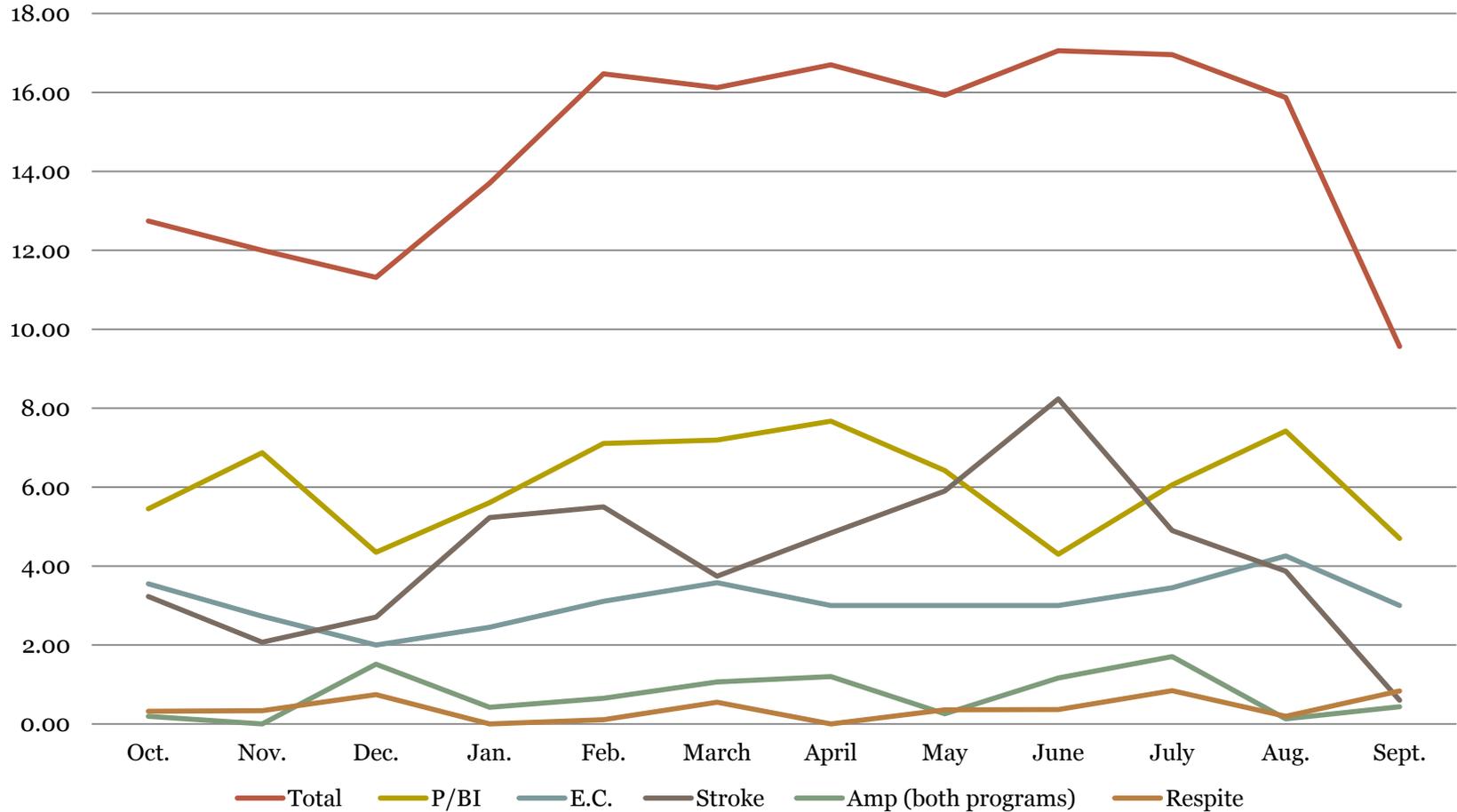
## Average Daily Census Profile over FY12



# CIIRP FY12: ADC clustered by month

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BDOC per month/days in each month



# CIIRP FY12: Demographics for discharged patients

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	<b>Average Age (St. Dev)</b>	<b>Gender</b>	<b>Veteran status</b>
Polytrauma/BI N=49	46.5 (16.59) years	49/49 male	39/49 Veteran
Emerging Consciousness N=6	40 (20.98) years	6/6 male	6/6 Veteran
Stroke N=32	69.53 (13.25) years	32/32 male	32/32 Veteran
Amp: Preprosthetic N=6	62 (3.76) years	5/6 male	6/6 Veteran
Amp: Prosthetic N=13	66 (13.88) years	13/13 male	13/13 Veteran
Respite patients N=9	51 (14.37) years	9/9 male	9/9 Veteran

# CIIRP FY12: Outcomes for discharged patients

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	Average LOS including weekends (St. Dev)	Average number of treatment appointments per day (M-F)* (St. Dev)	Effectiveness : average FIM gain from admit to discharge (St. Dev)	Efficiency: average FIM gain/LOS (St. Dev)
Polytrauma/BI N=49; complete data for n=47	49.77 (32.34) days	3.72 (1.03) appointments	28.51 (22.63) FIM points	.60 (.45)
Emerging Consciousness N=6	179.5 (89.09) days	4.04 (1.24) appointments**	See next slide.	
Stroke N=32; complete data for n=30	53.56 (30.08) days	3.87 (.84) appointments	34.23 (15.35) FIM points	.79 (.51)
Amp: Preprosthetic N=6	15 (6.15) days	2.37 (.23) appointments	15 (9.08) FIM points	1.13 (.82)
Amp: Prosthetic N=13; complete data for n=11	16.46 (6.10) days	2.01 (.56) appointments	8.91 (1.87) FIM points	.52 (.31)
Respite patients N=9	14.89 (8.13) days	2 (1.07) appointments	NA	

\*Appointments are 30-60 minutes. This number includes Allied therapies and Social work case management but excludes Rehab Nursing and Physiatry.

\*\* May include co-treatment of 2:1 staff to patient ration.

# CIIRP FY12: Emergence trajectory for discharged Emerging Consciousness patients

<b>N=6</b>	<b>Coma on discharge</b>	<b>VS on discharge</b>	<b>MCS on discharge</b>	<b>Emerged by discharge</b>
Coma on admit	n=1 Age: 68 years LOS: 29 days Discharge to Hospice			
Vegetative state (VS) on admit				n=3 Average age: 28 years Average LOS: 197 days
Minimally Conscious State (MCS) on admit				n=2 Average age: 45 years Average LOS: 228 days

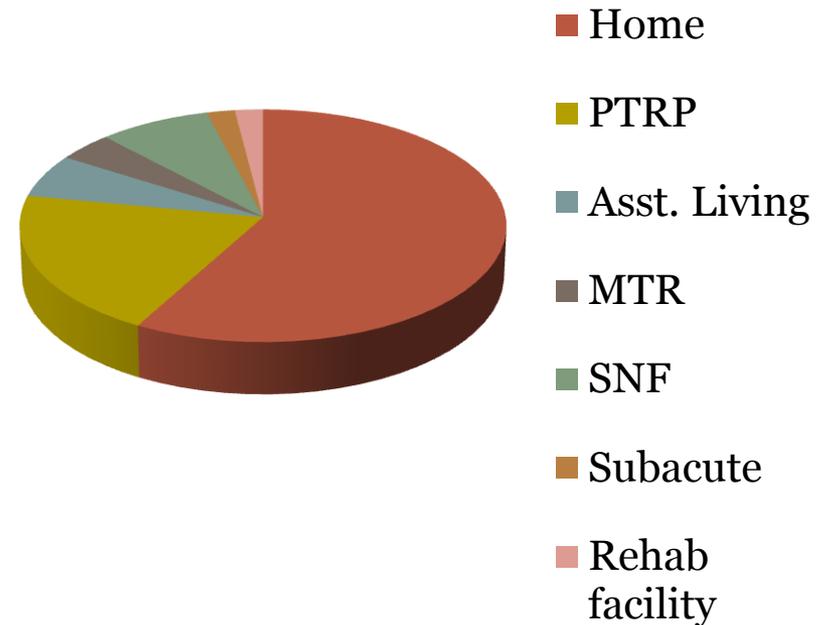
# CIIRP FY12: P/BI discharge destinations

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## Polytrauma/Brain Injury

## Discharged patients

	N=49	Percent
Home	29	59%
PTRP	10	20%
Asst. Living	3	6%
MTF	2	4%
SNF	2	4%
Subacute care	2	4%
Another rehab facility	1	2%



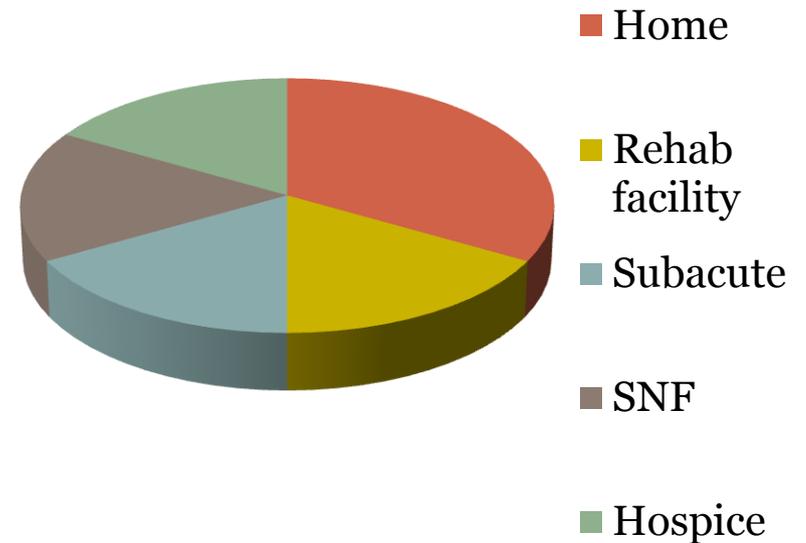
# CIIRP FY12: E.C. discharge destinations

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## Emerging Consciousness

## Discharged patients

	N=6	Percent
Home	2	33%
Rehab facility	1	17%
Subacute care	1	17%
SNF	1	17%
Hospice	1	17%



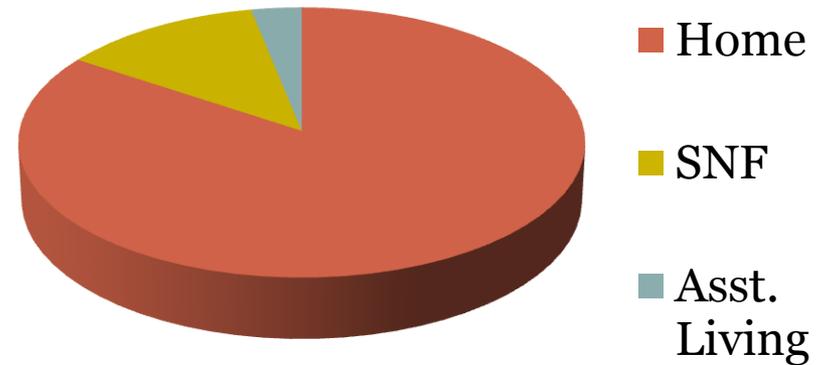
# CIIRP FY12: Stroke discharge destinations

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Stroke

Discharged patients

	N=32	Percent
Home	27	84%
SNF	4	13%
Asst. Living	1	3%



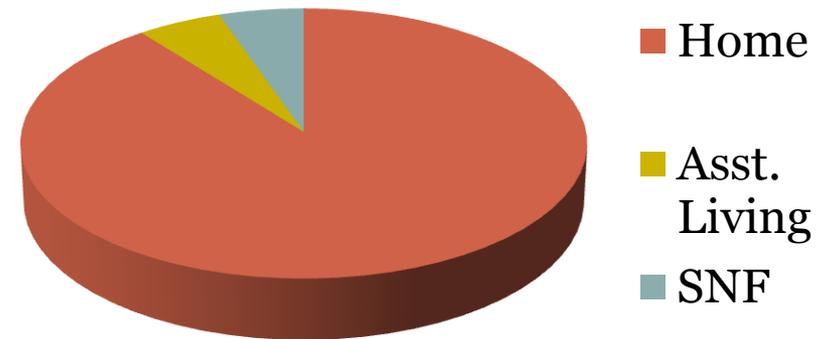
# CIIRP FY12: Amp discharge destinations

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## Amputation

## Discharged patients

	Preprosthetic N=6	Prosthetic N=13	Total N=19	Percent
Home	5	12	17	89%
Asst. Living	1		1	5%
SNF		1	1	5%



# CIIRP FY12: Satisfaction

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- Measurement via TruthPoint\* point of care survey
  - Structured interview of patients or family while admitted.
- Responses for FY12
  - 55 patients
  - 7 family members

\* <http://www.truth-point.com/>

# CIIRP FY12: Satisfaction (cont.)

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- Response rates to select questions:
  - 91% rated the quality of nursing as excellent or very good
  - 89.75% reported collaboration with the treatment team to I.D. unique treatment goals
    - ✦ 67.5% participated in community reintegration activities
      - 100% of those reported therapeutic benefit from those activities
  - 100% reported receiving adequate information about their condition
  - 93.5% reported that aspects of their care were exceptional.
- Of note: complaints of noise on the unit increased over the year.

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