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Highlights of Membership Data

FY 2013-2014

IUCRC Evaluator's Meeting

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*Denis Gray, Olena Leonchuk, Lindsey McGowen & Tim
Michaelis*

North Carolina State University

Membership Report Data

- 2013-14 Data
 - Membership statistics from Structure report
 - Membership Report: Directory of members by center and type
 - Multiple center members
- Membership Trends Over Time
 - Overview of factors affecting Membership
 - Total membership trends
 - By member type
 - Net Gain/Loss
 - Turnover



Take Home Message

- Tracking “membership” is important because it may be the most important measure of success for centers and the IUCRC program
- But...
 - We need to be very careful in interpreting changes in membership overtime



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What about the composition of IUCRC membership?



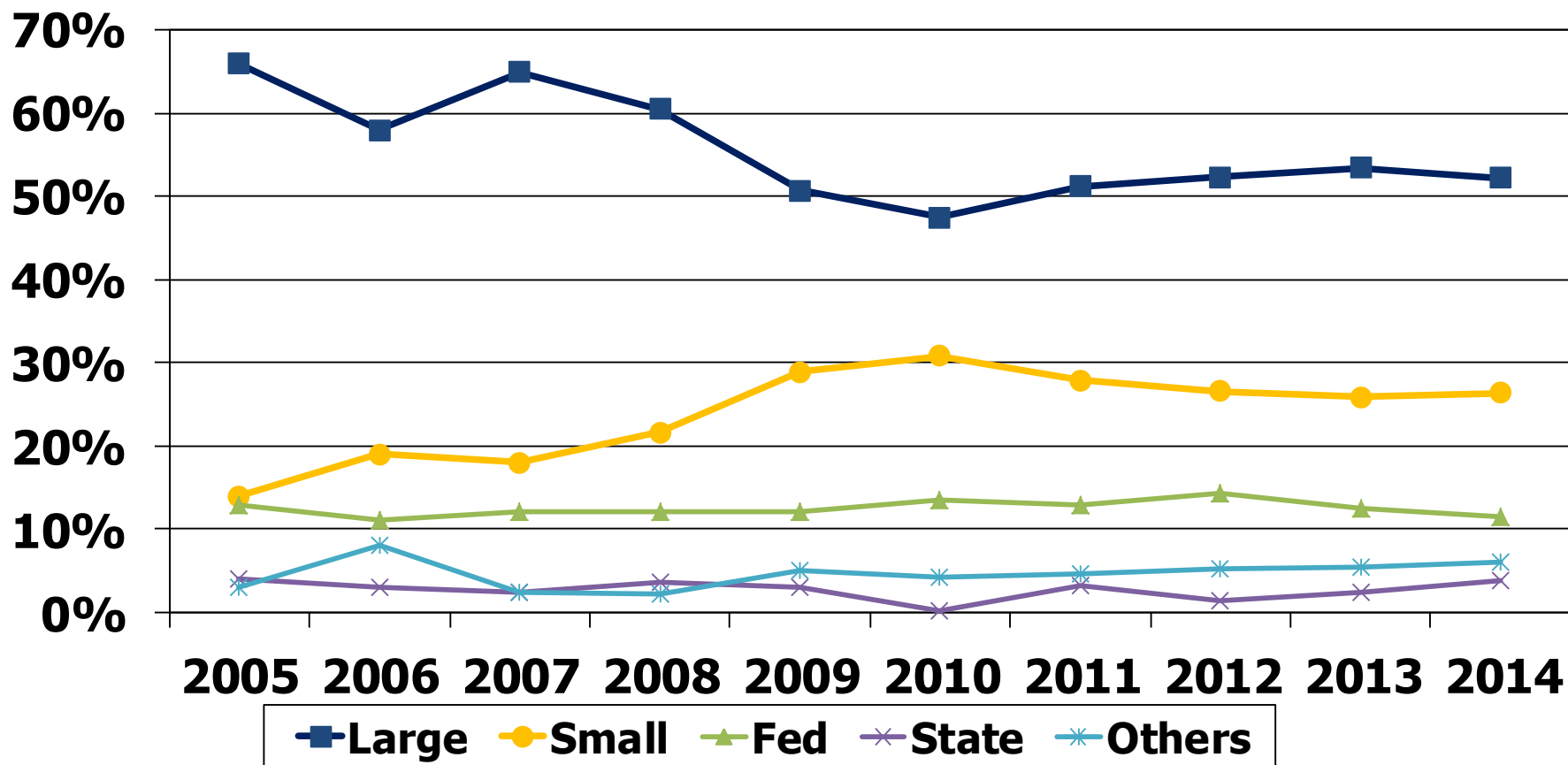
Membership Summary

	Count	Percent
Total memberships	<i>1177</i>	<i>100%</i>
Industry: large firms (500 + employees)	615	52.25
Industry: small firms (< 500 employees)*	310	26.34
US Government: Federal	135	11.48
US Government: State or local	45	3.82
Non-US Government	9	0.76
Non-Profit	31	2.63
Other ¹	32	2.72
# of organizations with memberships ²	828	--

*Data from 2013-2014 industry questionnaire demonstrated that 6.3 % of total members and 26.4 % of small firms represents For Profit-Micro (<10 employees).



Member Composition 2005-2014



^ Categories comprising Others include: non-profit, non-US government, and other organization

Membership: Organizations with the Most Memberships



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N Memberships	Organizations
26	Army
19	Air Force, NASA
15	DoE, Boeing
12	Lockheed Martin, Raytheon
11	Northrop Grumman, Intel Corporation
10	Texas Instruments
8	Navy, Qualcomm
7	DoD, GE, Honda, IBM, National Security Agency, Samsung
6	General Motors
5	Honeywell

No new companies
on this list

Membership: Organizations with the Most Memberships Over Time



1995		2000		2005		2013		2014	
N	Name	N	Name	N	Name	N	Name	N	Name
10	Dow Chem.	10	Motorola	17	DoE	28	Army	26	Army
9	DuPont	9	Army	13	Army	23	Air Force	19	Air Force, NASA
8	3M, Motorola, Ford	8	Lucent Tech., DoE	10	Boeing	19	DoE	15	DoE, Boeing
7	General Motors	7	Boeing, IBM, Honeywell	8	Intel, Air Force	17	Boeing	12	Lockheed Martin, Raytheon
6	Amoco, Boeing, Texas Inst.	6	Daimler Chrysler	7	Raytheon, HRL, DoD	13	Lockheed Martin, Raytheon	11	Northrop Grumman, Intel Corporation
--	--	5	Ford	6	Honeywell, Navy	12	NASA	10	Texas Instruments
--	--	--	--	5	Dow Chem., Siemens	9	Intel, GE	8	Navy, Qualcomm
--	--	--	--	--	--	8	Navy, NSA, Samsung, Texas Instruments	7	DoD, GE, Honda, IBM, NSA, Samsung
						5-7	DoD, GM, Honda, Honeywell, IBM, Northrop Grumman, Qualcomm, Nat'l Inst.	5-6	GM, Honeywell
						<i>Dropped:</i> Dow Chem., DuPont, 3M, GM, Amoco, Texas Inst., EPA, Navy		<i>Motorola, Lucent Tech., IBM, Daimler Chrysler, Ford</i>	
<i>New:</i> Lucent Tech., IBM, Honeywell, Daimler Chrysler, DoD		<i>Intel, Air Force, Raytheon, HRL Labs, Dow Chem., Siemens, Navy</i>		<i>GM, Lockheed Martin, NASA, IBM, GE, NG, NSA, Honda, Qualcomm, NI, Samsung, Texas Inst.</i>					



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Understanding Membership Changes Over Time

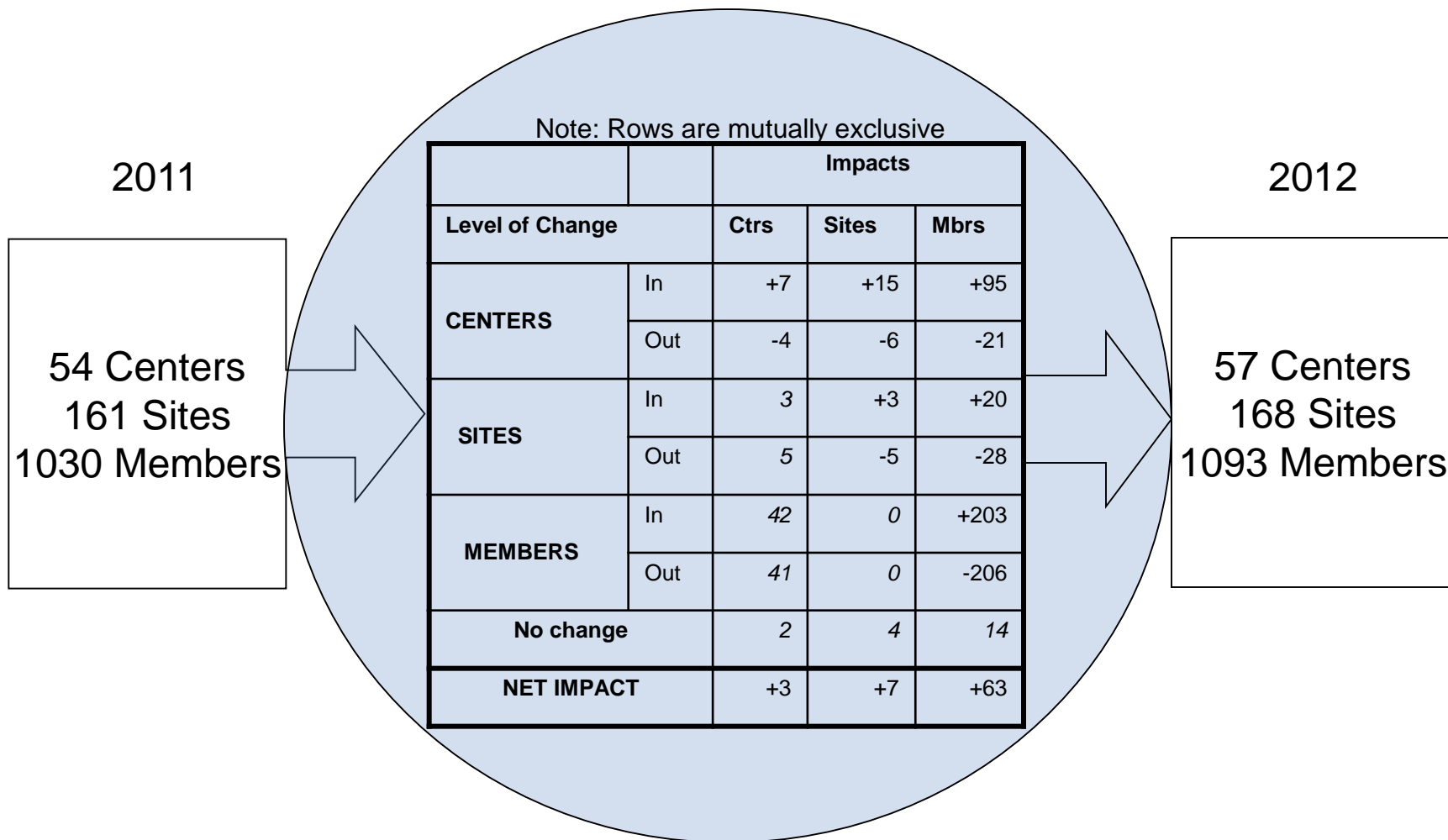
Interpreting Membership Changes Over Time



- Changes in membership numbers over time are influenced by changes at different levels:
 - Members: Individual members will leave a center and new members will be added.
 - Centers: mature centers will graduate (and their members will be dropped) and new centers will be created (and their members added).
 - Recently, graduated centers have re-emerged as Phase 3 centers
 - Sites: Generally speaking, new sites are added to existing centers but not always
- Changes in program total and average can be due to any combination of these factors.
 - Totals are particularly unstable



2012 IUCRC System Changes

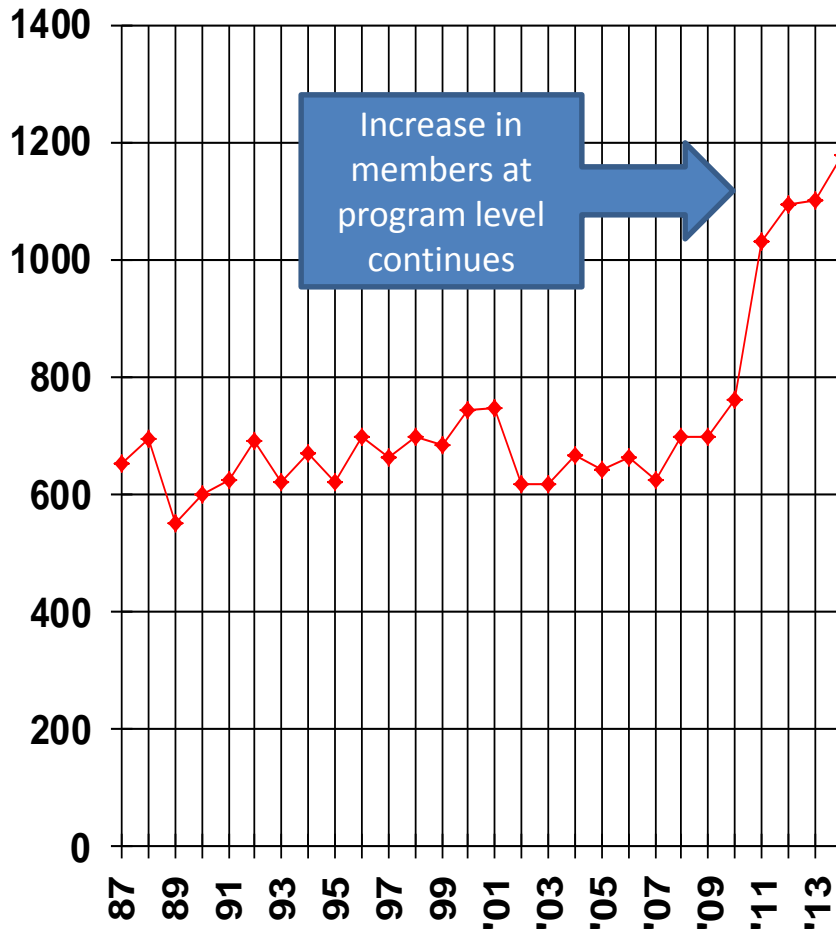


Industrial Memberships by Year

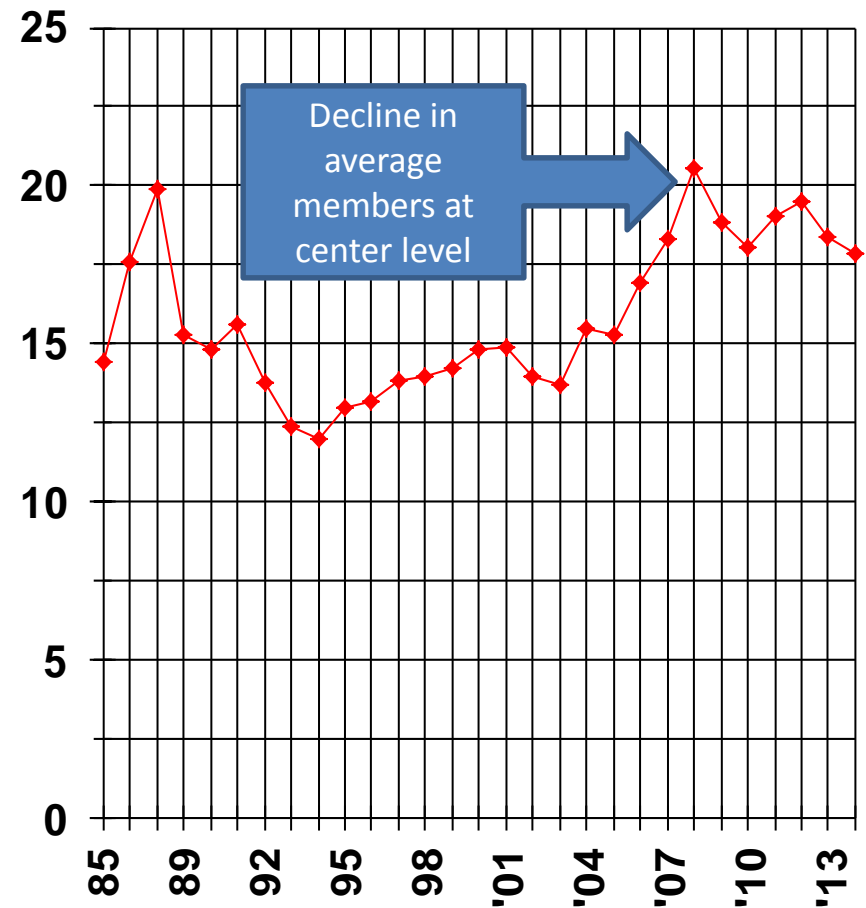


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Total Number of Members



Average Number of Members per Center





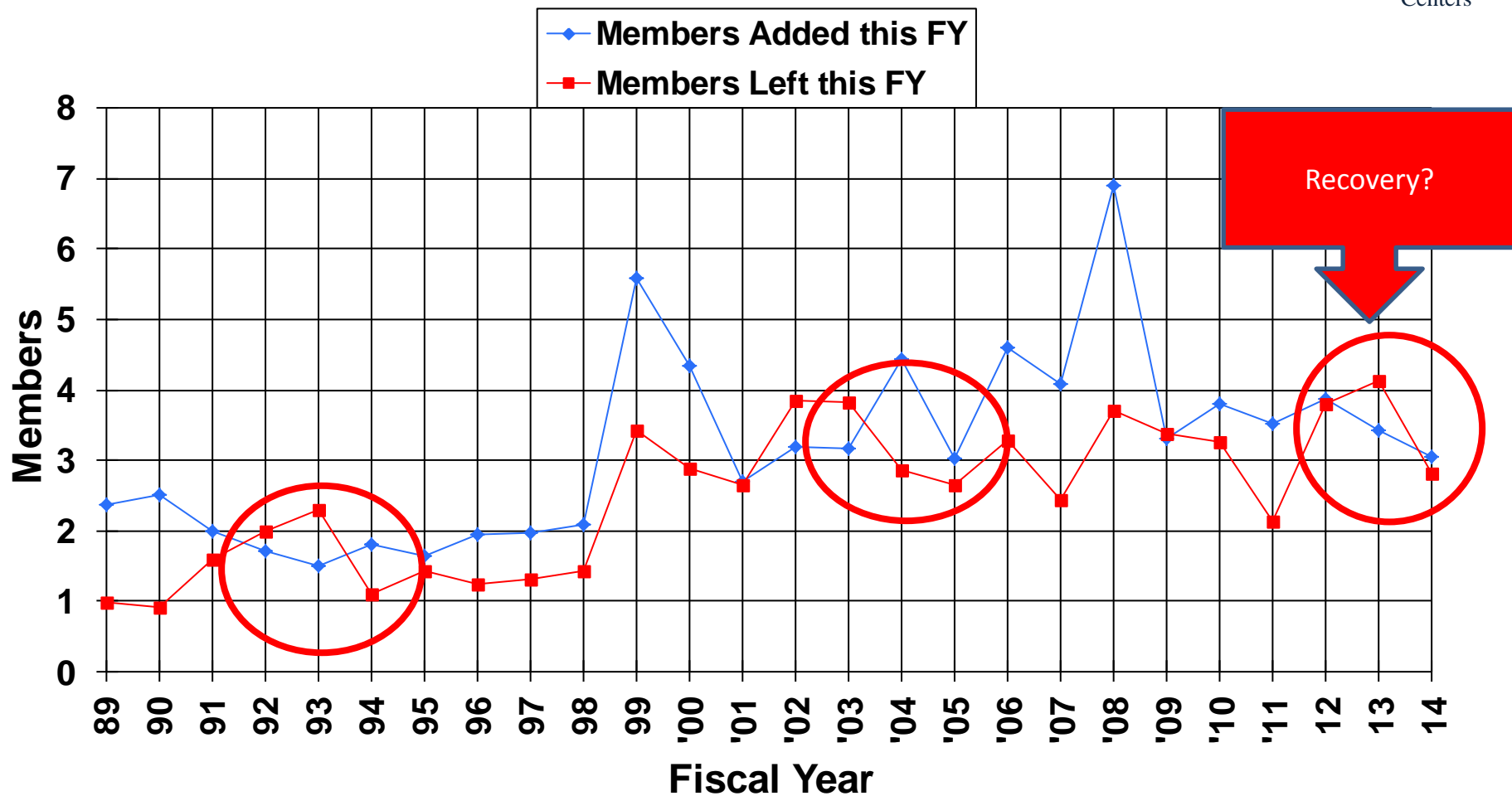
Membership Variables and Indicators

- **Members added:** number of members center reports adding during past year (may include new individual members or members from added site)
 - Does not include addition of new centers
- **Members left:** number of members a center reports leaving the center during past year (would only include site-level loss if site left center)
- **Member Net Gain/Loss:** the relative gain or loss of members (members added – members left) centers experience during each calendar year
- **Member Turnover:** percentage of a center's members from year x that leave the center the following year (year $x + 1$)

Average Center Membership Gain/Loss

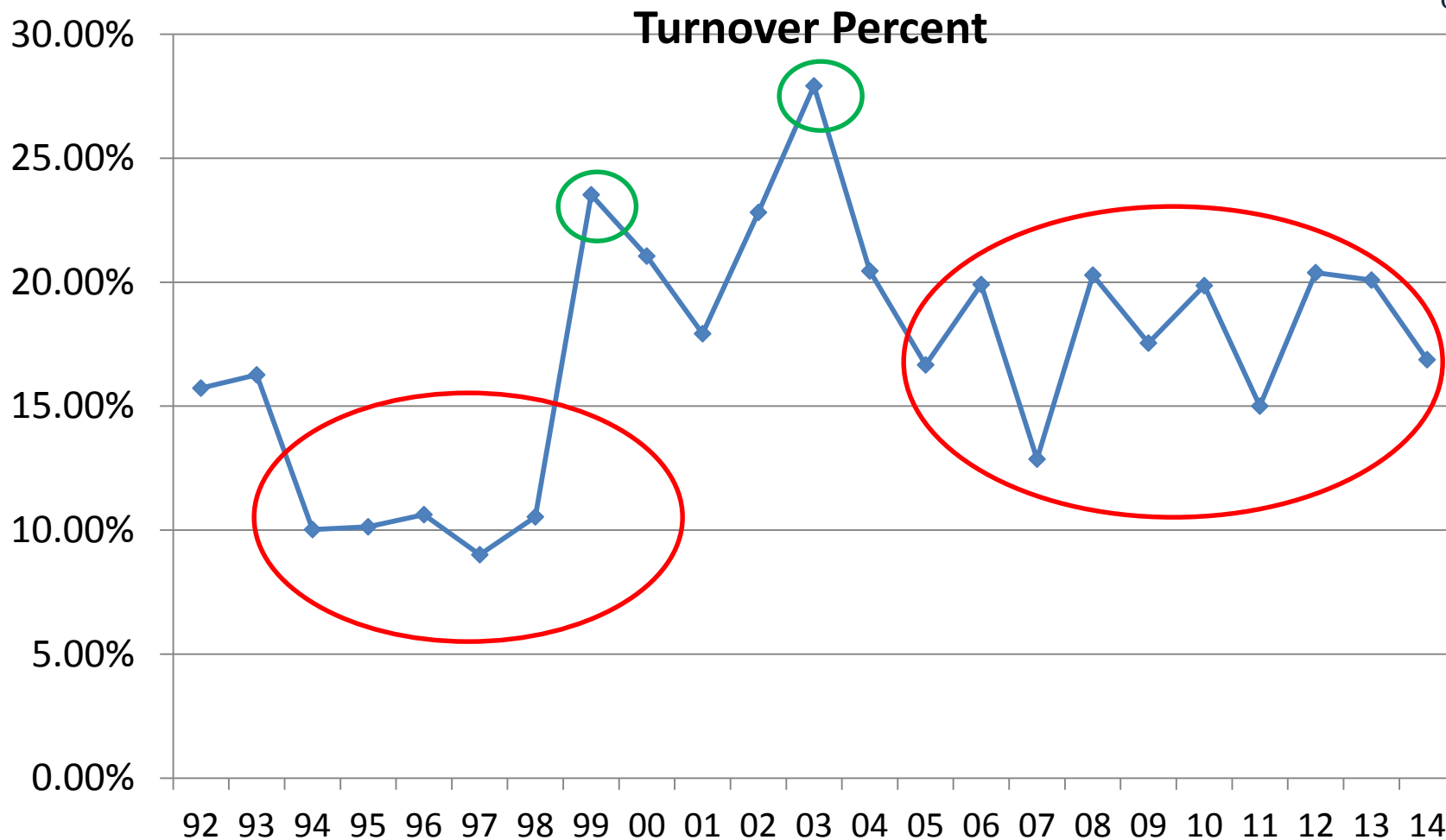


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Member Turnover Rate – New Normal



Turnover % = Members terminated in year X+1 / Total members in year X



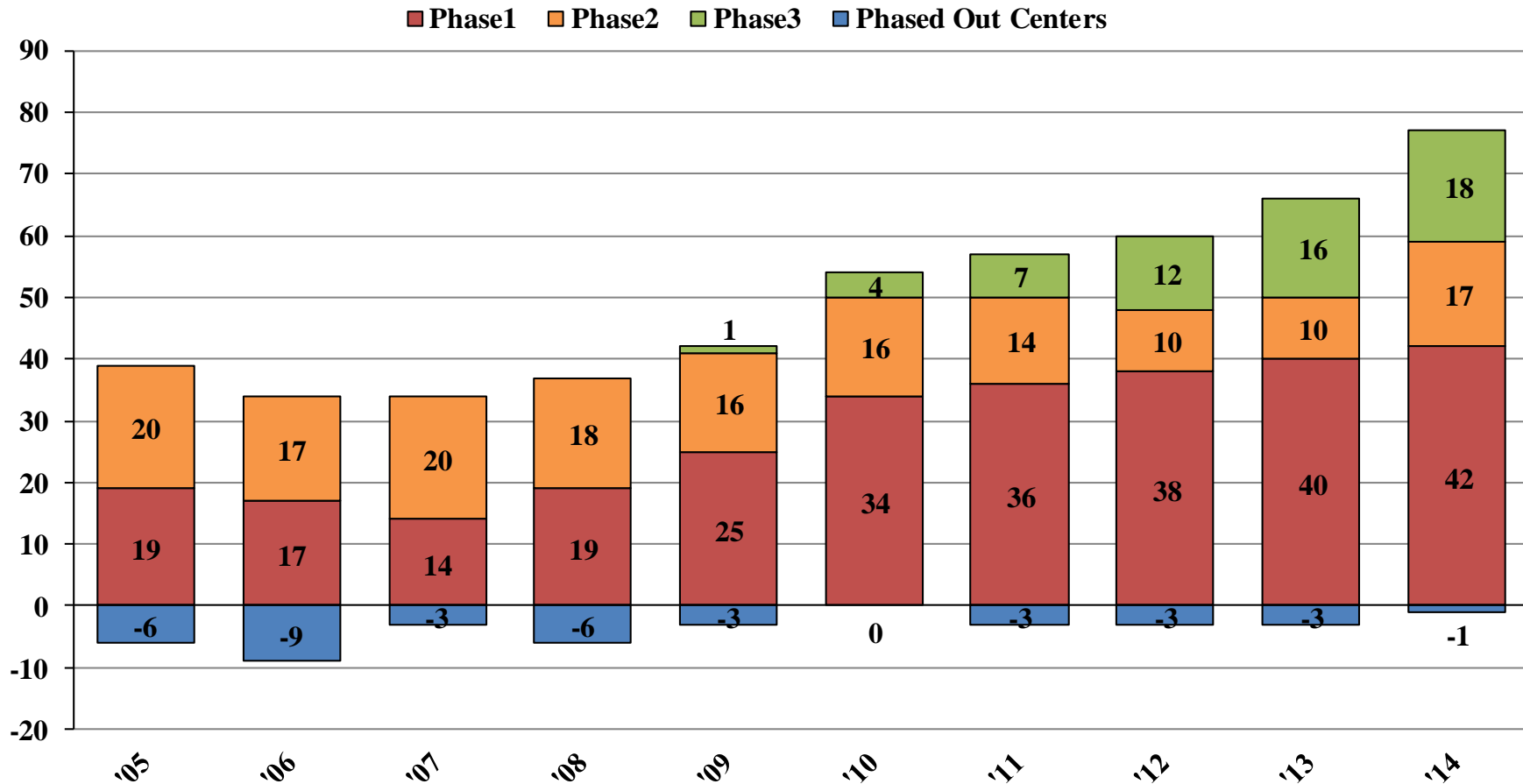
Overview Membership

- Reached the “new normal”
 - N members at all time high (N=1177) (but so is number of centers)
 - Average Members (~15) stable but down slightly (2nd year)
 - Annual Membership Gain-Loss: ~ 0
 - Member turnover (% of last year’s members that leave) has plateaued during last couple of years
 - Remains within the 15-20% range over the last 10 years
- But membership is dynamic
 - Program level picture has been positive based on continuous growth in new centers and sites
 - Changing?
 - More graduating
 - More phasing out
 - Fewer new centers
 - Center level picture is mixed:
 - Fewer members per individual center
 - Gain/Loss neutral
 - Turnover stabilizing
 - Changing?

Phase Based Growth and Retention 2005-2014



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*Data Current for NSF FY2014