

# Win Free Tuition for Answering This Survey!

Rina Bongsu, Liz Sanders, Edward Schaefer, Susan Stachler Enrollment & Marketing Research, Enrollment Management DePaul University

# **DePaul University**

Location: Chicago, IL





## **DePaul University**

Type: Private, 4-year, Catholic



9.	Dustuii Conege	13,011
	Loyola University (Chicago)	13,362
6.	Georgetown University	13,164
	Saint Leo University	12,190
		11,415
	Marquette University	11,355
	St. Louis University	

\*Estimated 2003 number.



# DePaul University Make-up

- 8 colleges/schools
  - Liberal arts & sciences, business, law, computer science, theatre, music
- 6 campus (plus distance learning options)
  - 2 within Chicago; 4 suburban campus
- Enrollment
  - 23,000 overall
  - 15,000 undergraduate, 7,000 graduate, 1,200 law



# Enrollment & Marketing Research Enrollment Management

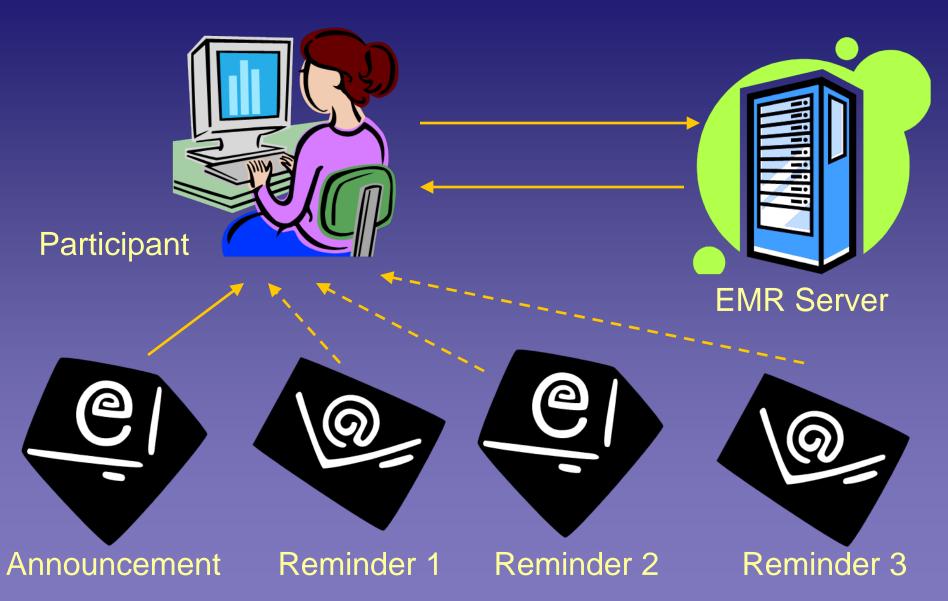
- Enrollment Management
  - Integrates enrollment services with our university's marketing and communication activities, alongside activities with career networks
- Enrollment & Marketing Research
  - EMR's mission is to provide information to support factbased decision making for the Enrollment Management division and the University community
  - Analytics and publications
  - Original research, including web surveys

# Speaking of Web Surveys... Goals for Today's Presentation

- Discuss EMR's decision to redesign web survey (June, 2005)
- Brief overview of redesign
- Discuss July, 2005 study comparing survey design and incentive schemes on web survey response rates
- Discuss September, 2005 study regarding phonebased initiative to increase response rates
- Conclusions

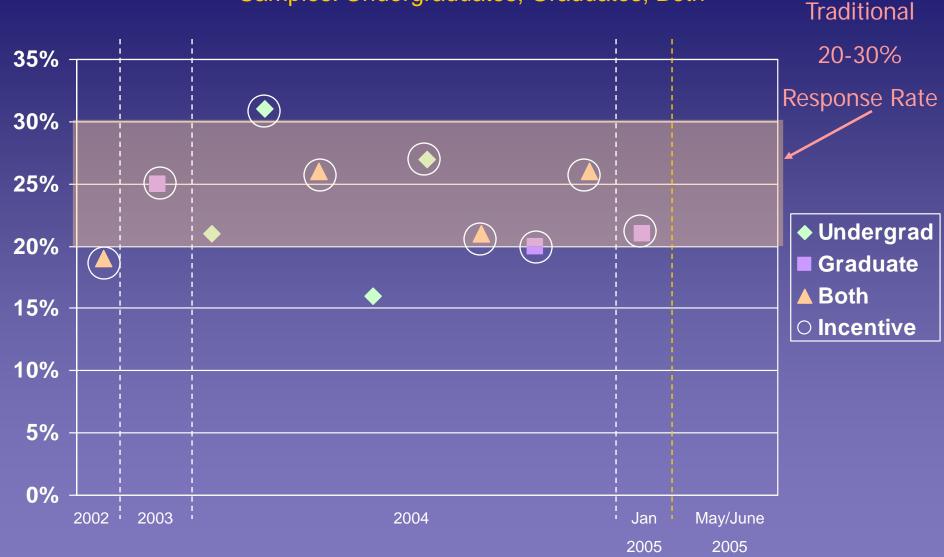


# EMR Web Survey Architecture - Old

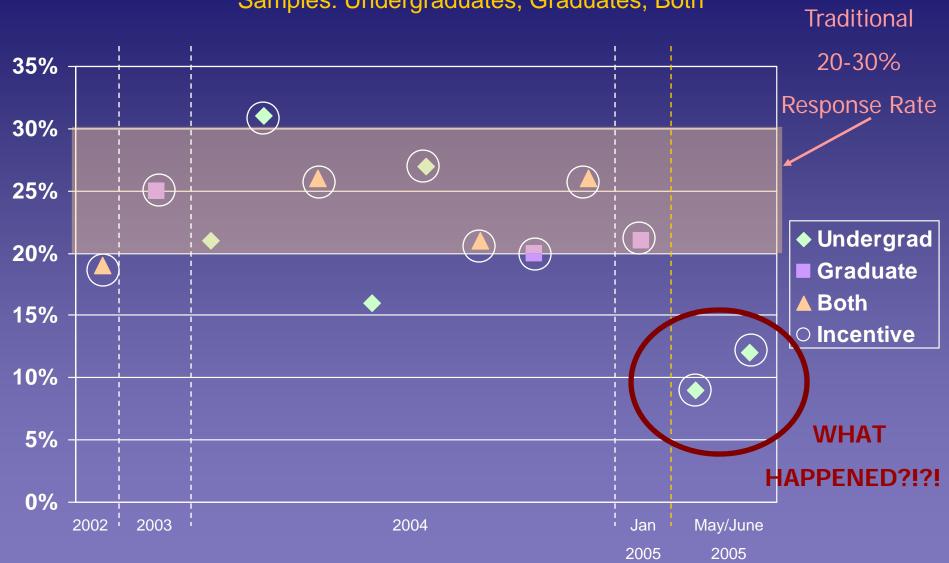




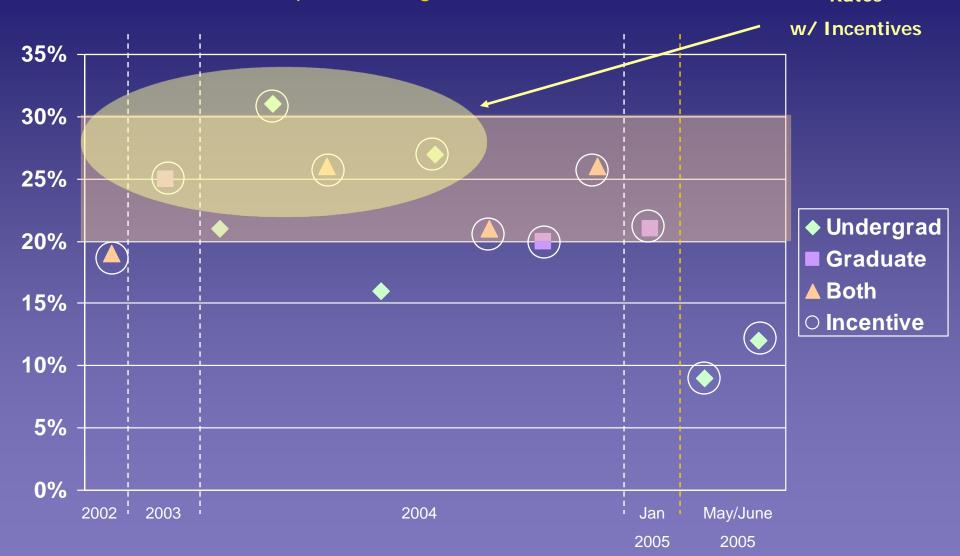
Survey Response Rates 2002-2005 Samples: Undergraduates, Graduates, Both



Survey Response Rates 2002-2005 Samples: Undergraduates, Graduates, Both



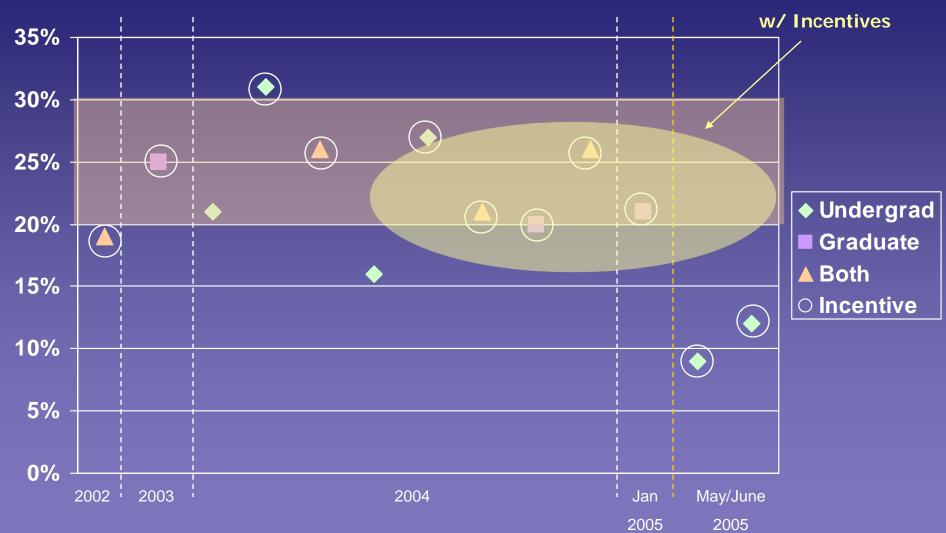
Survey Response Rates 2002-2005 Samples: Undergraduates, Graduates, Both 2003 & early-2004: 25-30% Response Rates



Survey Response Rates 2002-2005 Samples: Undergraduates, Graduates, Both

Late-2004-early-2005:

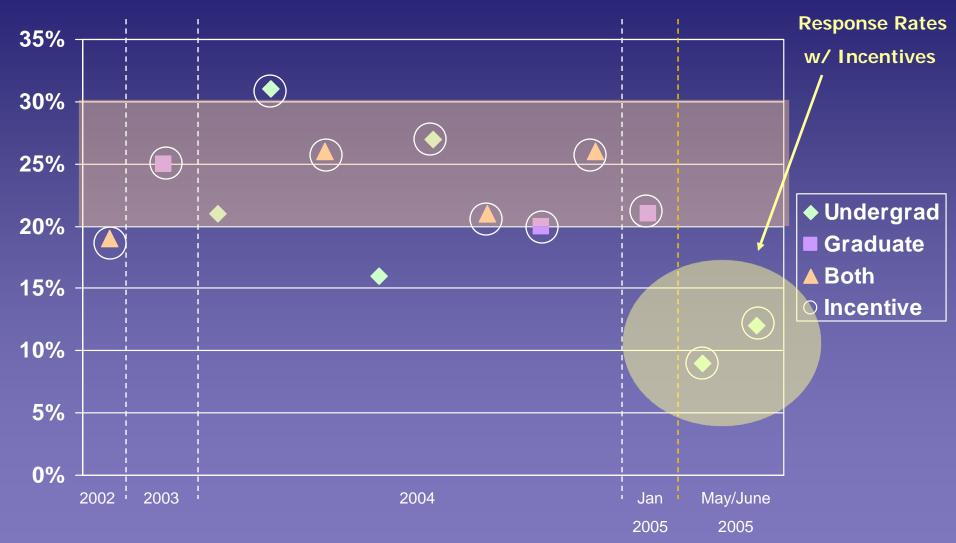
20-25% Response Rates



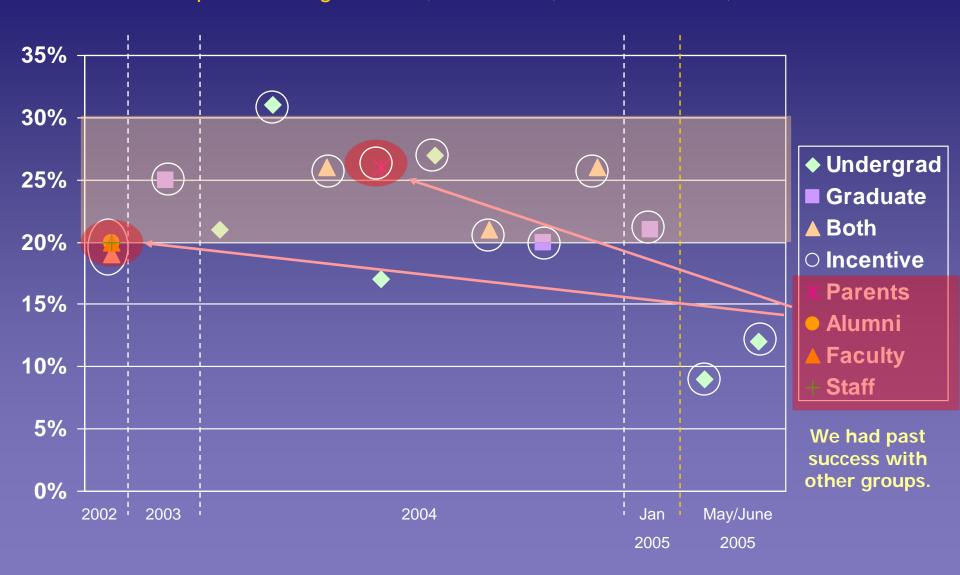
Survey Response Rates 2002-2005 Samples: Undergraduates, Graduates, Both

Mid-2005:

9% & 12%



Survey Response Rates 2002-2005
Samples: Undergraduates, Graduates, Both & Parents, Alumni



### What Happened?

#### 1. Cyber-saturation/ Personalization

- a. "Spam traffic is up by 40%, putting the total amount of e-mail that is junk up to an astonishing 90%. "BBCNews, 2/2005
- b. Plugged-in generation
- c. "Millennials"
- d. Participants are tuning us out



# Design Analysis - Style

#### **Soviet Apartment Block Architecture**



# Does this give you a warm fuzzy?

#### **Tuition Reimbursement Survey**

5/13/2004

#### Introduction

We are asking for your participation in this survey so that we can develop policies to enhance the quality of service for working students. Even if you are not currently employed or receiving employer reimbursement, please take a few moments to complete this survey. Your responses will assist us in establishing new initiatives to further benefit you and your peers. Thank you for your time and honest assessment.

All responses are confidential and results will only be used in the aggregate, so please answer candidly.

#### Technical Requirements and Notes

This survey requires Internet Explorer 4.0 or later or Netscape Communicator 4.0 or later.

<u>This survey requires your browser to have Cookies enabled.</u> Most browsers' default settings allows Cookies and most likely your browser has the proper setting. If necessary, you can check to see if Cookies are enabled and/or enable Cookies by:

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# Does this give you a warm fuzzy?

#### Daimbarroamant Crimina

Page 1 of 8			
Please answer the following questions regarding your current employment situation.			
A. Are you currently employed outside of DePaul University?			
B. Does your employer offer tuition reimbursement to employees?			
C Yes C No			
Next			

# Does this give you a warm fuzzy?

#### **Tuition Reimbursement Survey**

Page 5 of 8

•	n the amount of reimbursement your employer will e check all that apply.)				
☐ A. I receive	rsement, without any conditions.				
B. The amount I am reimbursed depends on the grade I receive for the course(s).  If such is the case, how is this reimbursement structured?					
For a grade of "A", I receive	% reimbursement.				
For a grade of "B", I receive	% reimbursement.				
For a grade of "C", I receive	% reimbursement.				
Other:	Other:				
$\square$ C. I receive reimbursement only for those courses that are related to my job.					
☐ D. The amount of reimbursement I can receive is capped at \$ per year.					
☐ E. Other: I receive reimbursement for					

## What Happened?

- 1. Cyber-saturation/ Personalization
- 2. Design Analysis Style
  - a. Utilitarian
  - b. Cold, un-inviting, boring
  - c. Users are used to more colorful, engaging websites



### What's Missing?

#### **Tuition Reimbursement Survey**

5/13/2004

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# What's Missing?

#### **Tuition Reimbursement Survey**

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Other:				
C. I receive reimbursement only for those courses that are related to my job.				
☐ D. The amount of reimbursement I can receive is capped at \$ per year.				
E. Other: I receive reimbursement for				

#### The Brand!

Apply and register now for the Autumn 2005 Quarter.

Upcoming Admission and Open House

Headlines



Welcome to DePaul University!

- Prospective Students
- **Academics**
- About DePaul
- Alumni & Friends
- for Current Students
- for Faculty/Staff





Site Index











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Letter from the Dean

News & Events

Academic Calendar

Faculty Governance Council

DePaul Directory

Faculty Opportunities



Undergraduate Division

Graduate Division

Departments

Liberal Studies Program

Meet the Staff

The College of Liberal Arts & Sciences



Welcome to DePaul University!

Important Information You must have a valid usemame and id to enter

Campus Connection. Please contact...

Browser

Recommendations

Based on internal testing, for the functional user, where performance and reliability are key, Internet Explorer 6 is the recommended web houser ainning on

Welcome, Please enter your user ID and password for DePaul Campus Connection.

User ID:

Password:

⇒ ENTER

Forget your password?

Guest, please click here







# 1 E. Jackson, Chicago, IL 60604 | 312-362-8000

DePaul.edu

Search DePaul

Blackboard

Campus Connection

#### University Libraries





#### IMPORTANT NOTE

regarding the new DePaul ID card & access to your library account

Library catalog: Type beginning of book title

Search Catalog



Books, videos & music Journal & newspaper articles Statistics, dictionaries, etc. Reserve readings A-Z database list Research by subject

#### SERVICES

Ask a librarian Interlibrary loan Online workshops & instruction Just for faculty Just for distance/international students Just for suburban students Renew books/review account More...



Special collections & archives DePaul University Archives Digital collections

Hours Locations & phone numbers Library news Staff directory Employment at the library Your privileges Library FAQ

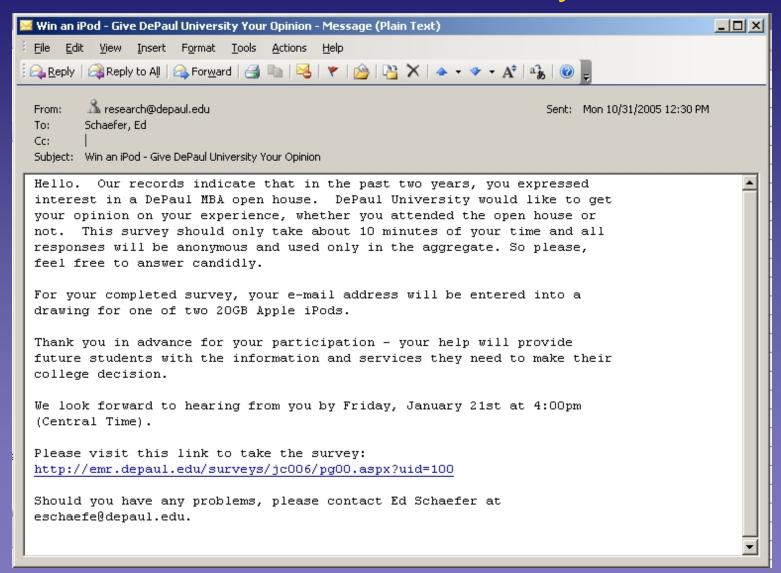


### What Happened?

- 1. Cyber-saturation/ Personalization
- 2. Design Analysis Style
- 3. Design Analysis Content
  - a. Phishers ability to mask websites
  - b. Users could have been skeptical "Is this really from DePaul?"
  - c. Connectedness to survey



#### Win an iPod. OK...I'll try it.



### What's my motivation...

#### **Tuition Reimbursement Survey**

5/13/2004

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# ..to finish this survey...

#### **Tuition Reimbursement Survey**

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C Yes C No			
Next			

# ...right now? I'll get back to it.

#### **Tuition Reimbursement Survey**

Page 5 of 8

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## What Happened?

- 1. Cyber-saturation/ Personalization
- 2. Design Analysis Style
- 3. Design Analysis Content
- 4. Incentive
  - 1. "Carrots" out of sight, out of mind
  - 2. Urgency
  - 3. We are competing for users attention



# Survey Redesign

	New Email Message	New Web Template	New Question Layout	Pre-call Participants
Cyber- saturation/ Personaliza- tion	X			X
Design Analysis - Style		X		
Design Analysis - Content		X	X	
Incentive	X	X		

# So, what if, after redesign, our response rates go up?



Was it truly a success...



...or was it something else?

Time

Sample

**Incentive** 



# Survey Methodology Study (SMS) July, September/October 2005

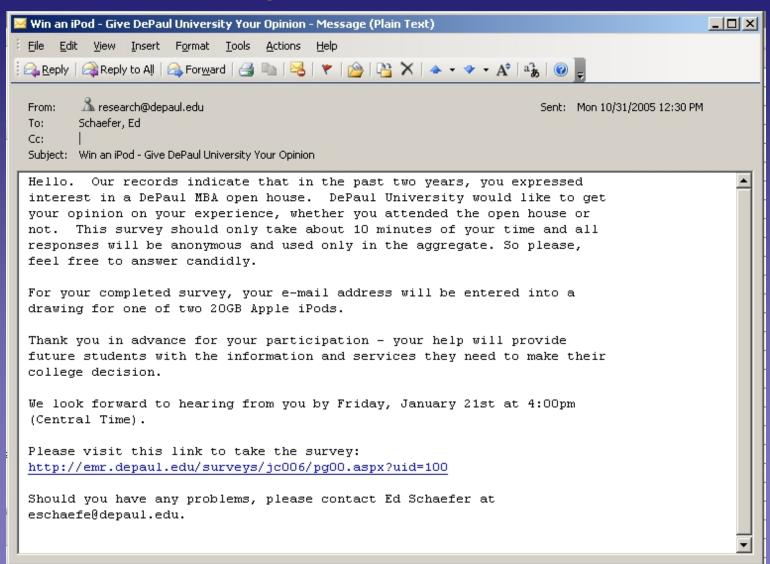
	New email	New Web Template	New Question Layout	Pre-call participants
Cyber- saturation/ Personaliza- tion	XP	HAS	E	X PHASE
Design Analysis - Style		X		TWO
Design Analysis - Content		ONE	X	
Incentive	X	X		

#### SMS Phase One July, 2005

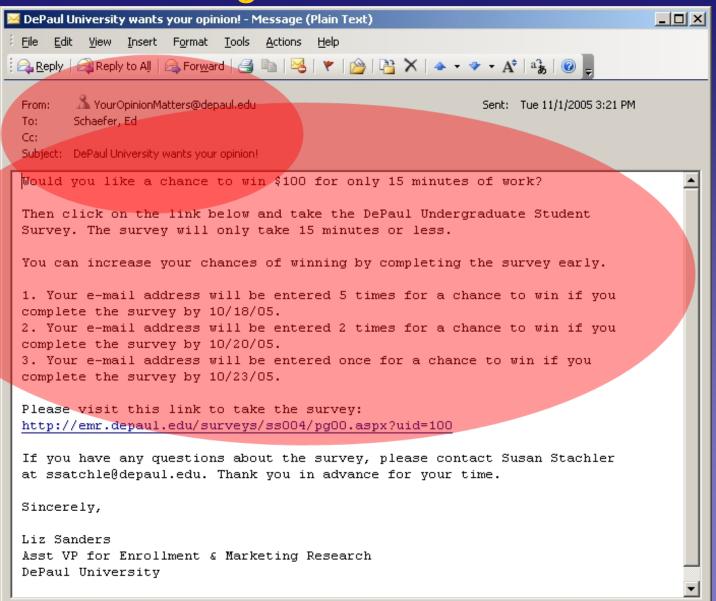
- Financial Literacy Survey
  - Same survey from June 2005 (12% RR)
- Two web survey designs
  - Old
  - New
- Two incentive schemes
  - Simple
  - Complex
- Sample
  - Enrolled Undergraduates in summer 2005 not included in previous two surveys or School of New Learning
  - Randomly assigned to 1 of 4 design-incentive groups



### Designs – Old Email



### Designs – New Email



## Designs - Old Introduction Page

#### **Tuition Reimbursement Survey**

5/13/2004

#### Introduction

We are asking for your participation in this survey so that we can develop policies to enhance the quality of service for working students. Even if you are not currently employed or receiving employer reimbursement, please take a few moments to complete this survey. Your responses will assist us in establishing new initiatives to further benefit you and your peers. Thank you for your time and honest assessment.

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## Designs – New Introduction Page



Enrollment & Marketing Research (EMR)

#### Contact Us -

If there are any questions regarding the survey, please email: sstachle@depaul edu



iPod Shuffle
Complete survey by:
Oct. 18 for 5
chances.
Oct. 20 for 2
chances.
Oct. 23 for 1 chance.

Requirements

Compatible Browsers

#### DePaul University Student Survey

10/31/2005 1:04:14 PM



#### Introduction

DePaul University is very interested in your opinions and personal feelings. By participating in this survey, you will be contributing to the improvement of the overall curriculum within the College of Commerce, making the educational experience richer for all of our students.

You must complete the entire survey to be eligable for one of the five iPod Shuffles. You can increase your chances of winning by completing the survey early. Your email address will be entered:

- 5 times for a chance to win if you complete the survey by 10/18/05.
- 2 times for a chance to win if you complete the survey by 10/20/05.
- 1 time for a chance to win if you complete the survey by 10/23/05.

The possibility exists that you may be contacted from multiple sources or on multiple occasions to participate in this survey. Please accept our apology if this occurs, but respond to the survey only once. The estimated time to complete this survey is only 10-15 minutes.

Thank you very much for your participation.

Continue to Page 1

Continue From Where You Left Off

## Designs - Old Questions Page

#### **Tuition Reimbursement Survey**

Page 1 of 8			
Please answer the following questions regarding your current employment situation.			
A. Are you currently employed outside of DePaul University?			
B. Does your employer offer tuition reimbursement to employees?			
C Yes C No			
Next			

### Designs – New Questions Page



Enrollment & Marketing Research (EMR)

#### Contact Us -

If there are any questions regarding the survey, please email: sstachle@depaul.edu

Prize -



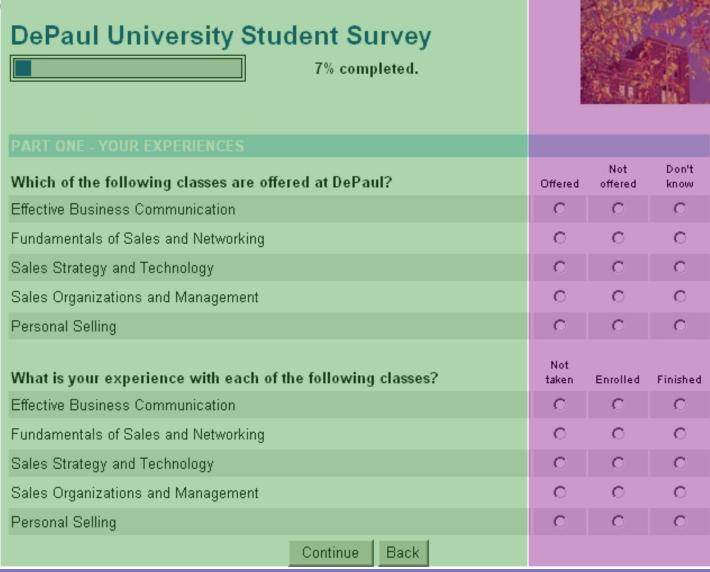
#### iPod Shuffle

Complete survey by:
Oct. 18 for 5
chances.
Oct. 20 for 2
chances.
Oct. 23 for 1 chance.

Requirements •

Compatible Browsers:

Internet



#### **Incentive Schemes**

#### **SIMPLE**

- \$100 amazon.com gift certificate
- Complete survey by July 31 and entered once

#### COMPLEX

- \$100 amazon.com gift certificate
- Complete survey by
   July 26 and entered 5
   times
- Complete survey by
   July 28 and entered 2
   times
- Complete survey by July 31 and entered once

# SMS Phase One Groups

	Old Design	New Design
Simple Incentive	Old-Simple	New-Simple
Complex Incentive	Old-Complex	New-Complex



### Note on Sample Size

Original Sample - Email Bounce Backs = Revised Sample

#### **ONLY Hard Bounce Backs AND NOT Soft Bounce Backs**

- No account
- Account disabled
- Unknown user

- Out-of-office
- Mailbox full/over quota
- Denied by anti-spam

### SMS Phase One Sample (Revised)

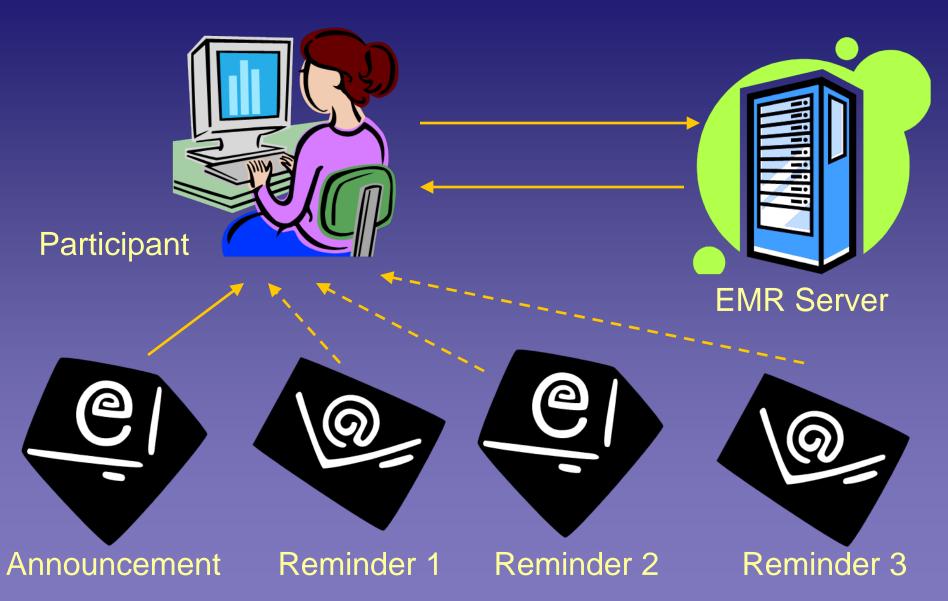
1,521 undergraduates in summer 2005 quarter

	Old Design	New Design	Total
Simple Incentive	383	374	757
Complex Incentive	383	381	764
Total	766	755	1,521

Ethnicity, gender, and college was evenly distributed across the four cells.



## EMR Web Survey Architecture - Old





### Hypotheses

#### Based on two measurements

#### 1. Click-through Rates (CTR)

- % of users that clicked link on email to survey
- Measure of success of incentive schemes
- Complex incentive should lead to higher click-through rate

#### 2. Accessed-to-completed rates (ACR)

- Of those that clicked email link, % of users who completed the survey
- Measure of incentive schemes and design type
- Complex incentive should lead to higher completion rate
- New design should lead to higher completion rate

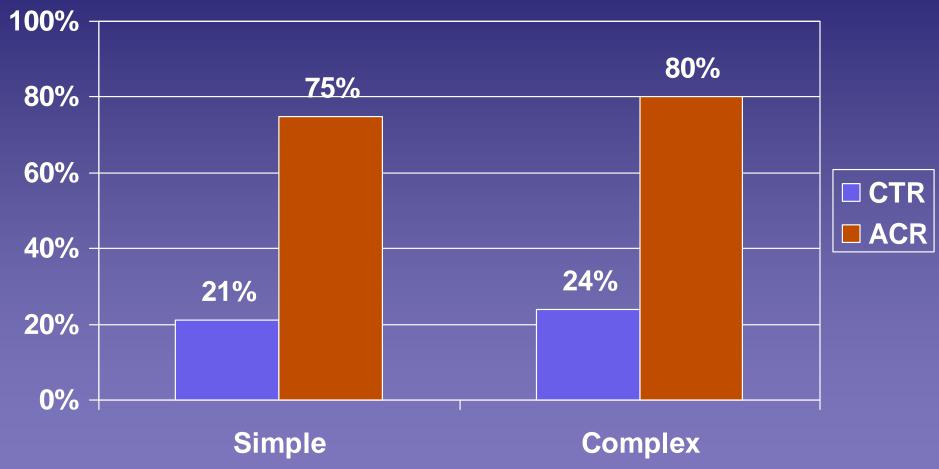
Overall, 22% CTR with 79% ACR



#### **Survey Incentive Analysis**

Complex incentive should lead to higher click-through rate.

Complex incentive should lead to higher completion rate.

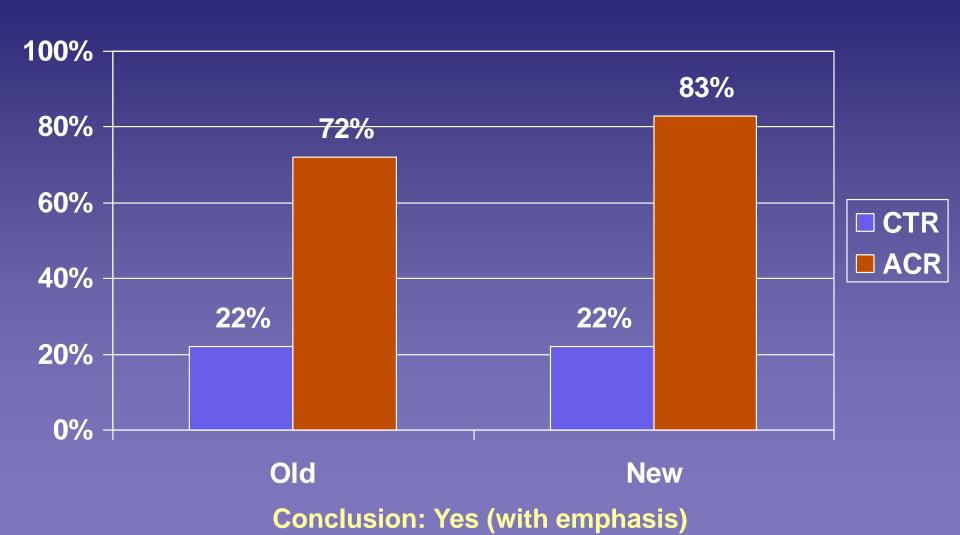


Conclusion: Yes, but not as anticipated.



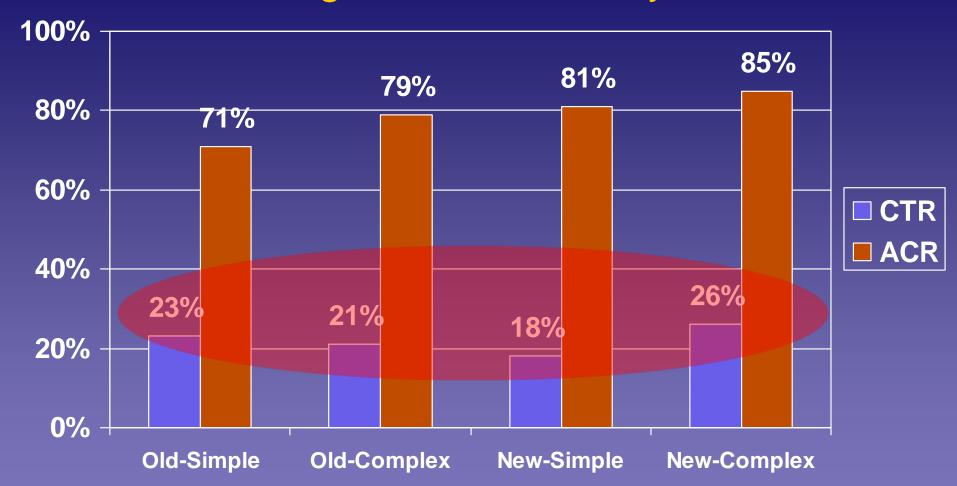
### Design Type Analysis

New design should lead to higher completion rate



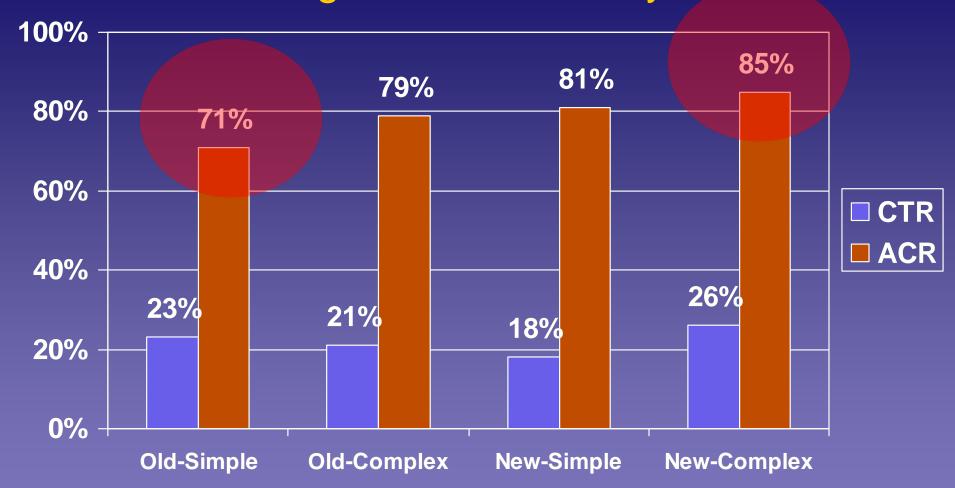


### **Design-Incentive Analysis**



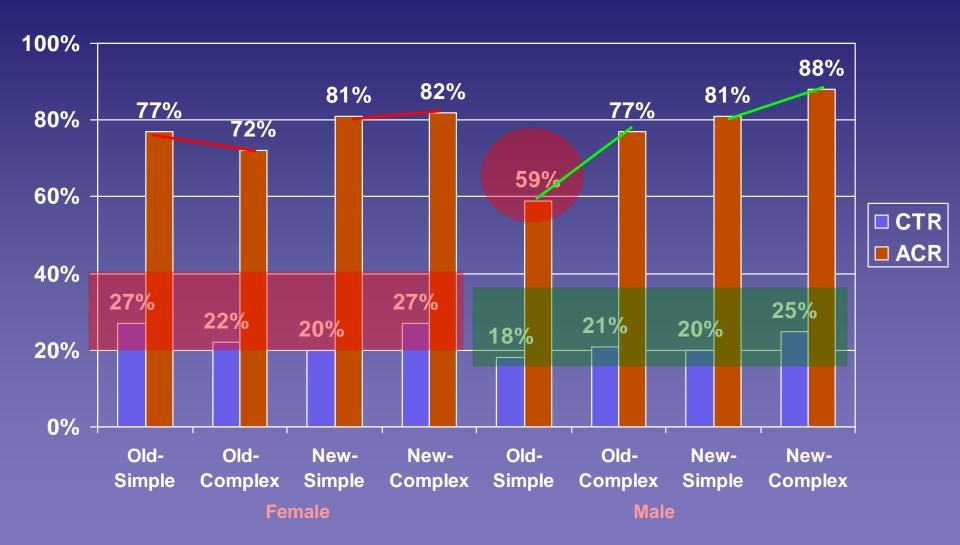
1. Variation in the click-through rate

### **Design-Incentive Analysis**



2. ACR improves from Old-Simple to New-Complex

# Design-Incentive Analysis By Gender



# Design-Incentive Analysis By Gender

- Females more inclined to share knowledge
  - "Men enjoy giving information as a way to show expertise...Women use the opportunity of sharing information to help others gain the same level of knowledge as they have" D. Tannen
- New web design more masculine
  - "Key Website Research Highlights Gender Bias", University of Glamorgan
  - Men prefer websites designed by men, women prefer web sites designed by women
  - Designers of new web survey were both men (although we had input for both genders)



# Design-Incentive Analysis By Gender

- Texas Hold'em Syndrome
  - Rises in ACR for men from simple incentive to complex incentive for both old and new design
  - Better odds to win appeals more to men than women; women are motivated to take survey for reasons other than odds of winning



# SMS Phase One Overall conclusions

- Complex incentive alone does not have a strong impact on click-through or completion rates
- New design alone does have a strong impact on completion rates
- Complex incentive AND the new design have the strongest impact on completion rates
- Although men and women both responded best to new-complex, the differences between designincentive groups within gender were greater for men, especially for incentive

Future surveys: New-Complex

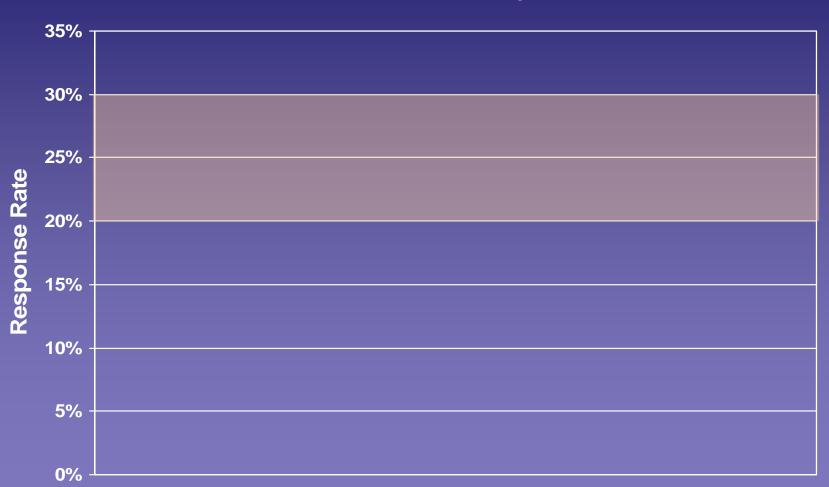


# Survey Methodology Study (SMS) September, October 2005

	New email	New Web Template	New Question Layout	Pre-call participants
Cyber- saturation/ Personaliza- tion	X			X PHASE
Design Analysis - Style		X		TWO
Design Analysis - Content		X	X	
Incentive	X	X		

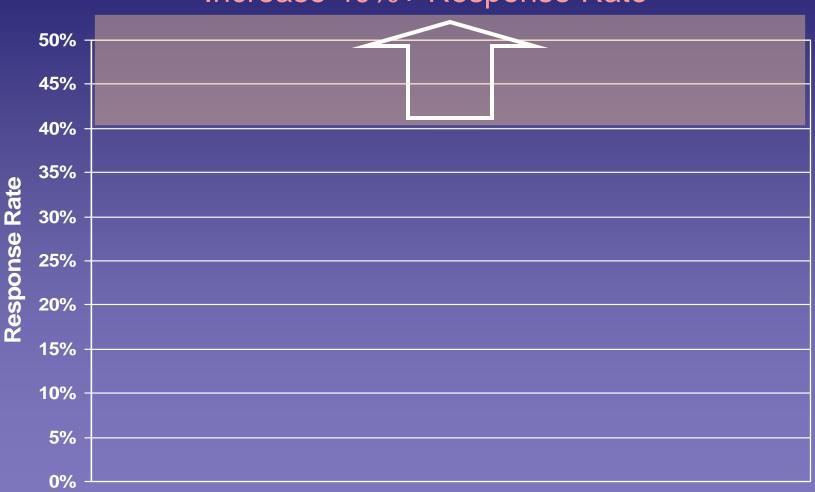
### SMS – Phase 2 Impetus

#### Traditional 20-30% Response Rate



### SMS – Phase 2 Impetus

Increase 40%+ Response Rate

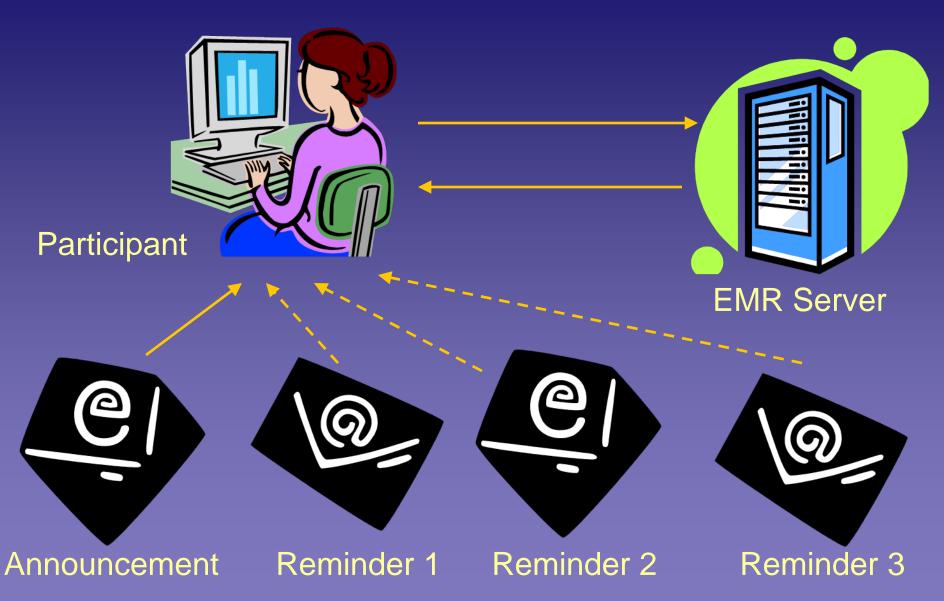


#### SMS – Phase 2 Impetus

- Previous surveys, we have done follow-up calls to non-responders to increase response rates
  - Still not reaching 40%+ response rates
- What if we call participants prior to survey release for yes/no on taking the survey
  - Creates two types of participants: Previous-Contact and No-Contact
  - Self-selected, of course
- Send survey announcements to all participants, regardless of type
- After web survey, follow-up calls only to Previous-Contact group who did not complete web survey
- GET BUY-IN



## EMR Web Survey Architecture - Old





# EMR Web Survey Architecture – New Step 1



**DePaul Phone Center** 







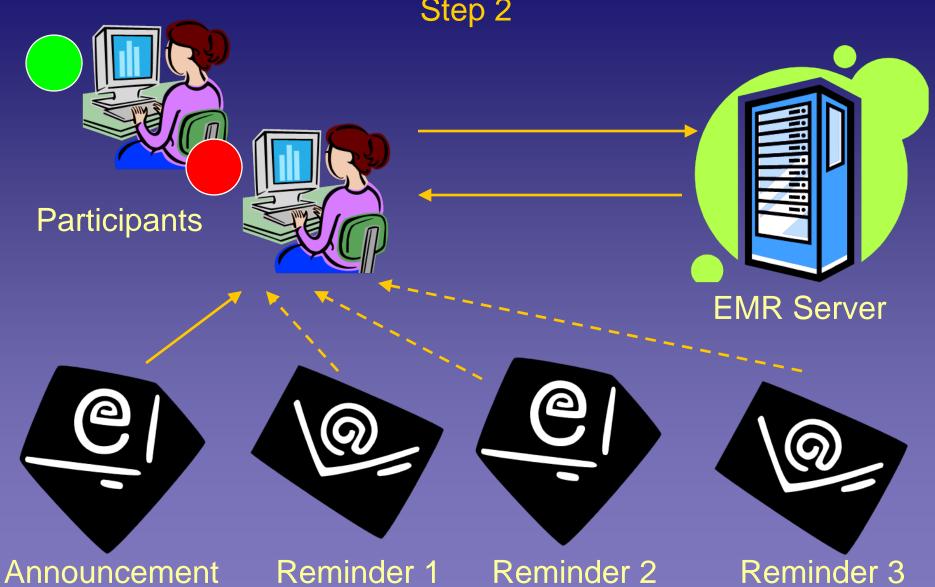
**Previous-Contact** 



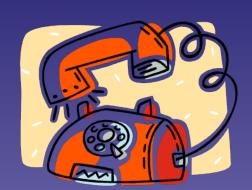
**No-Contact** 



# EMR Web Survey Architecture – New Step 2



# EMR Web Survey Architecture – New Step 3



**DePaul Phone Center** 



#### SMS – Phase 2 September, 2005

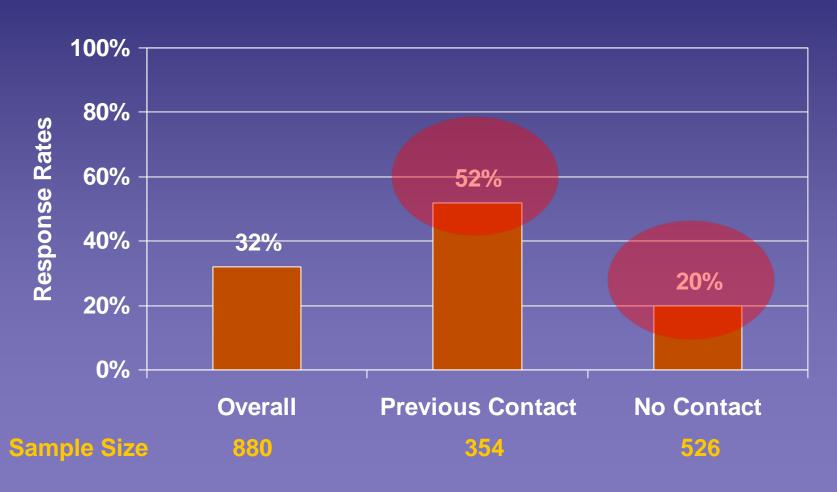
- Financial Education Survey (New-Complex format)
- Sample
  - 880 undergraduates enrolled in Autumn 2005
  - Proportional to class (freshman, sophomore, junior, senior)
- Previous-Contact vs. No-Contact Break-outs

		All	Previous- Contact	No-Contact
	Total	880	354	526
% of Total	Freshman	25%	29%	22%
	Sophomore	23%	25%	21%
	Junior	23%	23%	22%
	Senior	29%	22%	34%

 Since Pre-Contact and No-Contact groups do not reflect overall class break-outs, analysis just for overall response rates.



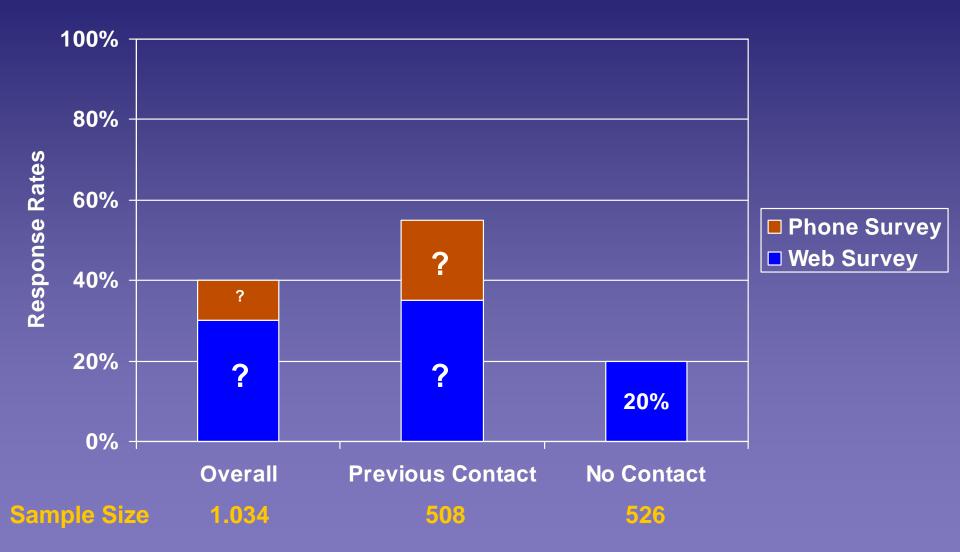
# Web Survey Results Previous Contact vs. No Contact





### Phone Survey Follow-up Results

Pending – Awaiting data from Phone Center



# SMS Phase Two Preliminary conclusions

- Getting buy-in to survey can help
  - Pre-call
  - Pre-mail
  - Pre-email (BEWARE EMAIL SATURATION)
- However, the No Contact group response rates was still 20% and would have been higher without pre-call
  - Support for new design and complex incentive
- Two caveats:
  - 1. Phone center helps
  - 2. Better for longer surveys

Future surveys: Try to increase buy-in



## Survey Methodology Survey Overall Conclusions

- Competing for users attention
  - Must devise ways to get and sustain that attention
  - Better results with new-complex
  - Survey Buy-In beneficial
- Participants are more cautious
  - Survey design should be tied to institution unless one fears response bias
  - New design emphasized DePaul as survey sponsor
- Incentive schemes may have an effect on some groups, particularly males
  - Not to say one must have an incentive, but if so, consider how incentive is presented
  - Simple vs. complex incentive schemes with males



#### Post SMS Surveys

- Chicago Public School Bridge Student Satisfaction Survey
  - Sample: Undergraduates enrolled in Autumn 2005 that participated in CPS Bridge program (218)
  - New-Complex
  - Response Rate: 20% (21% CTR; 93% ACR)
- MS Security Survey
  - Sample: Graduates enrolled in MS Computer, Information, and Network Security (168)
  - New (no incentive)
  - Response Rate: 30% (36% CTR; 82% ACR)
- Encouraging, even if neither had the breathe of our SMS surveys





If you would like a copy of presentation (PDF format) or if you have further questions, please email:

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