

# Reminder/Recall Redesign to Expand User Experience and Registry Functionality

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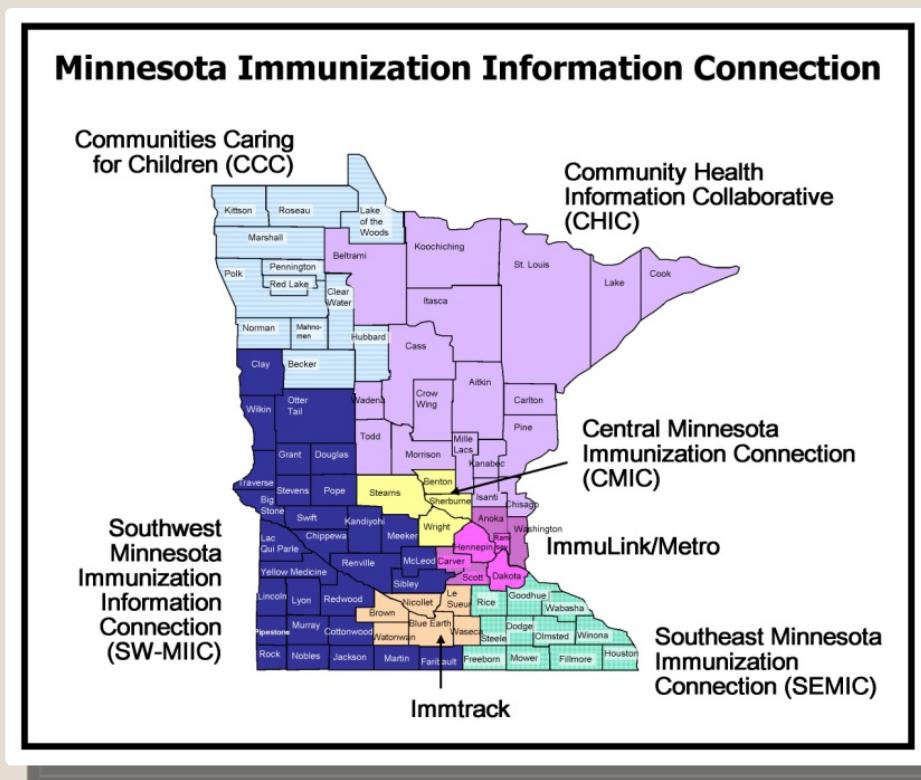
# MIIC Background

## What is MIIC?

The Minnesota Immunization Information Connection (MIIC), is the statewide immunization registry of Minnesota. MIIC was implemented in 2002.

## How Are MIIC Services Provided in Minnesota?

MIIC is divided into 11 different regions throughout the state. Each region has a MIIC Regional Coordinator that is responsible for providing direct services to partners within their region.



# Development of a Client Follow-Up Feature

## Goal of Client Follow-Up

- To motivate users to increase reminder/recall use by making a system that was:
  - User friendly
  - Easy to navigate
  - Had outputs/reports that were functional

# Creating Client Follow-Up

## Create Client Follow-Up

### Age Range In:

☒ Months

Beginning Age

16

As of Date:

☐ Years

Through Ending Age

23

06/01/2012



### Follow-Up Type

☒ Overdue

☐ Recommended

☐ Overdue/Recommended

☐ All

### Vaccines:

☒ DTaP

☐ HepA

☐ Anthrax

☒ HepB

☐ HPV

☐ Cholera

☒ Hib

☐ Influenza

☐ Pneumo-poly

☒ MMR

☐ Meningococcal

☐ Yellow Fever

☒ Pneumo-conj

☐ Rotavirus

☐ Zoster

☒ Polio

☐ Td

☒ Varicella

☐ Tdap

Select All

Deselect All

Follow-Up Name:  (optional)

Create Follow-Up

Cancel

# Creating Client Follow-Up

## Selecting Age Range

**Create Client Follow-Up**

**Age Range In:**

☒ Months Beginning Age  As of Date:

☐ Years Through Ending Age

**Follow-Up Type**

☒ Overdue

☐ Recommended

☐ Overdue/Recommended

☐ All

**Vaccines:**

☒ DTaP ☐ HepA

☒ HepB ☐ HPV

☒ Hib ☐ Influenza

☒ MMR ☐ Meningococcal

☒ Pneumo-conj ☐ Rotavirus

☒ Polio ☐ Td

☒ Varicella ☐ Tdap

Follow-Up Name:  (optional)

**Enter the Date Criteria ...**

Target Date Range From  To

Birth Date Range From  To


*NOTE: If Target Date is blank, today's date will be used.*

# Creating Client Follow-Up

## Selecting Type of Follow-Up

**Create Client Follow-Up**

**Age Range In:**

☒ Months Beginning Age  As of Date:  

☐ Years Through Ending Age

**Follow-Up Type**

☒ Overdue

☐ Recommended

☐ Overdue/Recommended

☐ All

**Vaccines:**

<input checked="" type="checkbox"/> DTaP	<input type="checkbox"/> HepA	<input type="checkbox"/> Anthrax
<input checked="" type="checkbox"/> HepB	<input type="checkbox"/> HPV	<input type="checkbox"/> Cholera
<input checked="" type="checkbox"/> Hib		
<input checked="" type="checkbox"/> MMR		
<input checked="" type="checkbox"/> Pneumo-conj		
<input checked="" type="checkbox"/> Polio	<input type="checkbox"/> Td	
<input checked="" type="checkbox"/> Varicella	<input type="checkbox"/> Tdap	

Select All Deselect All

Follow-Up Name:  (optional)

Create Follow-Up Cancel

Generate by date

☒ Use Overdue Date

☐ Use Recommended/Overdue Date

☐ All Clients regardless of Recommended/Overdue Date

# Creating Client Follow-Up

## Selecting Vaccine Groups

### Create Client Follow-Up

**Age Range In:**  
☒ Months Beginning Age   
☐ Years Through Ending Age

**Follow-Up Type**  
☒ Overdue  
☐ Recommended  
☐ Overdue/Recommended  
☐ All

**Select the Vaccine Group(s) ...**  
☒ Use All Vaccine Groups  
☐ Use Vaccine Groups Selected  

Adeno  
Anthrax

Add >  
< Remove

**Vaccines:**

<input checked="" type="checkbox"/> DTaP	<input type="checkbox"/> HepA	<input type="checkbox"/> Anthrax
<input checked="" type="checkbox"/> HepB	<input type="checkbox"/> HPV	<input type="checkbox"/> Cholera
<input checked="" type="checkbox"/> Hib	<input type="checkbox"/> Influenza	<input type="checkbox"/> Pneumo-poly
<input checked="" type="checkbox"/> MMR	<input type="checkbox"/> Meningococcal	<input type="checkbox"/> Yellow Fever
<input checked="" type="checkbox"/> Pneumo-conj	<input type="checkbox"/> Rotavirus	<input type="checkbox"/> Zoster
<input checked="" type="checkbox"/> Polio	<input type="checkbox"/> Td	
<input checked="" type="checkbox"/> Varicella	<input type="checkbox"/> Tdap	

Select All Deselect All

Follow-Up Name:  (optional)  

Create Follow-Up Cancel



# Managing Client Follow-Up



# Managing Client Follow-Up

## Patient Follow-Up:

Name: **NIC Online**

Age Range: **24 to 35 MONTH(S)**

Generated: **03/06/2012 06:33 AM**

As of Date: **01/01/2012**

# of Clients: **137**

[Back to Manage Follow-Ups](#)

[View/Create Reports](#)

Type: **OVERDUE CLIENTS**

<input type="checkbox"/>	<u>Last Name</u>	First Name	DOB
<input type="checkbox"/>	46 <a href="#">MOUSE</a>	MICKEY	07/23/20
<input type="checkbox"/>	47 <a href="#">MOUSE</a>	MICKEY	12/20/20
<input type="checkbox"/>	48 <a href="#">MOUSE</a>	MICKEY	09/30/20
<input type="checkbox"/>	49 <a href="#">MOUSE</a>	MICKEY	02/02/20
<input type="checkbox"/>	50 <a href="#">MOUSE</a>	MICKEY	12/31/20
<input type="checkbox"/>	51 <a href="#">MOUSE</a>	MICKEY	11/05/20
<input type="checkbox"/>	52 <a href="#">MOUSE</a>	MICKEY	06/09/20
<input type="checkbox"/>	53 <a href="#">MOUSE</a>	MICKEY	01/01/20
<input type="checkbox"/>	54 <a href="#">MOUSE</a>	MICKEY	06/14/20
<input type="checkbox"/>	55 <a href="#">MOUSE</a>	MICKEY	06/23/20
<input type="checkbox"/>	56 <a href="#">MOUSE</a>	MICKEY	07/14/20
<input type="checkbox"/>	57 <a href="#">MOUSE</a>	MICKEY	05/22/20
<input type="checkbox"/>	58 <a href="#">MOUSE</a>	MICKEY	04/07/20
<input type="checkbox"/>	59 <a href="#">MOUSE</a>	MICKEY	04/07/20
<input type="checkbox"/>	60 <a href="#">MOUSE</a>	MICKEY	12/01/20

[No Reminder](#) [Not our Patient](#)

### Client Information

VFC Eligible: **UNK**

Client Name (First - MI - Last - Suffix)	DOB	Gender	Mother's Maiden	Tracking Schedule	Chart #
MICKEY MOUSE	03/01/2011	U		ACIP	
Address		345 2ND AVE SE, SAINT PAUL, MN 55112 (555) 555-5555			
Comments					

### History

[Add Immunization](#) [Edit Client](#) [Reports](#) [Print](#) [Print Confidential](#)

Vaccine Group	Date Administered	Series	Trade Name	Dose	Owned?	Reaction	Hist?	Edit
DTP/aP	<a href="#">05/01/2011</a>	1 of 5			<a href="#">No</a>		Yes	<a href="#">✎</a>
Influenza	<a href="#">10/06/2011</a>	1 of 2			<a href="#">No</a>		Yes	<a href="#">✎</a>
MMR	<a href="#">05/14/2012</a>	1 of 2	MMR II ®	Full	<a href="#">No</a>			<a href="#">✎</a>
Varicella	<a href="#">05/14/2012</a>	1 of 2	Varivax ®	Full	<a href="#">No</a>			<a href="#">✎</a>

**Current Age: 1 year, 5 months, 21 days**

### Vaccines Recommended by Selected Tracking Schedule

[Add Selected](#)

Select	Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date
<input checked="" type="checkbox"/>	<a href="#">DTP/aP</a>	05/29/2011	07/01/2011	<b>09/01/2011</b>	02/28/2018
<input checked="" type="checkbox"/>	<a href="#">HepA</a>	03/01/2012	<b>03/01/2012</b>	09/01/2012	
<input checked="" type="checkbox"/>	<a href="#">HepB</a>	03/01/2011	03/01/2011	<b>07/01/2011</b>	
<input checked="" type="checkbox"/>	<a href="#">Hib</a>	04/12/2011	05/01/2011	<b>07/01/2011</b>	02/29/2016
<input checked="" type="checkbox"/>	<a href="#">Influenza</a>	11/03/2011	11/06/2011	<b>01/06/2012</b>	
<input type="checkbox"/>	<a href="#">MMR</a>	<b>06/11/2012</b>	03/01/2015	03/01/2017	02/29/2060
<input checked="" type="checkbox"/>	<a href="#">Pneumo-conj</a>	04/12/2011	05/01/2011	<b>07/01/2011</b>	02/29/2016
<input checked="" type="checkbox"/>	<a href="#">Polio</a>	04/12/2011	05/01/2011	<b>07/01/2011</b>	02/28/2029
<input type="checkbox"/>	<a href="#">Varicella</a>	<b>08/14/2012</b>	03/01/2015	03/01/2017	

# Managing Client Follow-Up

**Patient Follow-Up:**  
Name: **NIC Online**  
Age Range: **24 to 35 MONTH(S)**      Generated: **03/06/2012 06:33 AM**  
As of Date: **01/01/2012**      # of Clients: **137**  
Type: **OVERDUE CLIENTS**

<input type="checkbox"/>	<u>Last Name</u>	First Name	DOB	<u>Most Recent Shot</u>	<u>Provider</u>	<u>City</u> <u>State</u>
<input type="checkbox"/>	46 <a href="#">MOUSE</a>	MICKEY	07/23/2009	02/22/2011	All About Children	CHANHASSEN, MN 55317-7593
<input type="checkbox"/>	47 <a href="#">MOUSE</a>	MICKEY	12/20/2009	06/21/2011	All About Children	EDEN PRAIRIE, MN 55347-4529
<input type="checkbox"/>	48 <a href="#">MOUSE</a>	MICKEY	09/30/2009	03/16/2011	All About Children	EDEN PRAIRIE, MN 55347-3396
<input type="checkbox"/>	49 <a href="#">MOUSE</a>	MICKEY	02/02/2009	10/27/2010	Park Nicollet Clinics	EDEN PRAIRIE, MN 55347-4534
<input type="checkbox"/>	50 <a href="#">MOUSE</a>	MICKEY	12/31/2009	07/01/2010	All About Children	HOPKINS, MN 55343
<input type="checkbox"/>	51 <a href="#">MOUSE</a>	MICKEY	11/05/2009	11/09/2011	Minnesota Visiting Nurses Agency (MVNA)	BLOOMINGTON, MN 55437-3704
<input type="checkbox"/>	52 <a href="#">MOUSE</a>	MICKEY	06/09/2009	06/22/2011	All About Children	EDEN PRAIRIE, MN 55347-5336
<input type="checkbox"/>	53 <a href="#">MOUSE</a>	MICKEY	01/01/2010	07/18/2011	All About Children	,
<input type="checkbox"/>	54 <a href="#">MOUSE</a>	MICKEY	06/14/2009	06/30/2011	All About Children	EDEN PRAIRIE, MN 55346-3828
<input type="checkbox"/>	55 <a href="#">MOUSE</a>	MICKEY	06/23/2009	07/05/2011	All About Children	VICTORIA, MN 55386-4603
<input type="checkbox"/>	56 <a href="#">MOUSE</a>	MICKEY	07/14/2009	09/29/2011	Metropolitan Pediatrics - Shakopee	SHAKOPEE, MN 55379-5441
<input type="checkbox"/>	57 <a href="#">MOUSE</a>	MICKEY	05/22/2009	06/14/2011	All About Children	LAKEVILLE, MN 55044-7412
<input type="checkbox"/>	58 <a href="#">MOUSE</a>	MICKEY	04/07/2009	05/04/2011	All About Children	EDEN PRAIRIE, MN 55346-1049
<input type="checkbox"/>	59 <a href="#">MOUSE</a>	MICKEY	04/07/2009	05/04/2011	All About Children	EDEN PRAIRIE, MN 55346-1049
<input type="checkbox"/>	60 <a href="#">MOUSE</a>	MICKEY	12/01/2009	08/16/2010	Park Nicollet Clinics	MINNEAPOLIS, MN 55411-4214

Records: 46 to 60 of 137

# Managing Client Follow-Up

**Patient Follow-Up:**  
Name: **NIC Online**  
Age Range: **24 to 35 MONTH(S)** Generated: **03/06/2012 06:33 AM**  
As of Date: **01/01/2012** # of Clients: **137**  
Type: **OVERDUE CLIENTS**

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[View/Create Reports](#)

<input type="checkbox"/>	Last Name	First Name	DOB	Most Recent Shot	Provider	City	State
<input type="checkbox"/>	46 MOUSE	MICKEY	07/23/2009	02/22/2011	All About Children	CHANHASSEN, MN	55317-7593
<input type="checkbox"/>	47 MOUSE	MICKEY					
<input type="checkbox"/>	48 MOUSE	MICKEY					
<input type="checkbox"/>	49 MOUSE	MICKEY					
<input type="checkbox"/>	50 MOUSE	MICKEY					
<input type="checkbox"/>	51 MOUSE	MICKEY					
<input type="checkbox"/>	52 MOUSE	MICKEY					
<input checked="" type="checkbox"/>	53 MOUSE	MICKEY	07/01/2010	07/18/2011	All About Children		
<input type="checkbox"/>	54 MOUSE	MICKEY	06/14/2009	06/30/2011	All About Children	EDEN PRAIRIE, MN	55346-3828
<input type="checkbox"/>	55 MOUSE	MICKEY	06/23/2009	07/05/2011	All About Children	VICTORIA, MN	55386-4603
<input checked="" type="checkbox"/>	56 MOUSE	MICKEY	07/14/2009	09/29/2011	Metropolitan Pediatrics - Shakopee	SHAKOPEE, MN	55379-5441
<input type="checkbox"/>	57 MOUSE	MICKEY	05/22/2009	06/14/2011	All About Children	LAKEVILLE, MN	55044-7412
<input type="checkbox"/>	58 MOUSE	MICKEY	04/07/2009	05/04/2011	All About Children	EDEN PRAIRIE, MN	55346-1049
<input type="checkbox"/>	59 MOUSE	MICKEY	04/07/2009	05/04/2011	All About Children	EDEN PRAIRIE, MN	55346-1049
<input checked="" type="checkbox"/>	60 MOUSE	MICKEY	12/01/2009	08/16/2010	Park Nicollet Clinics	MINNEAPOLIS, MN	55411-4214

**Message from webpage**

By clicking this button, you will permanently remove the selected Client(s) from ANY future follow-up or assessment reports.  
THIS ACTION CANNOT BE UNDONE.  
You will have to manually re-activate the Client or add immunizations to the Client record to have them included in future reports.  
Click OK to proceed or Cancel to stop this action

OK Cancel

[No Reminder](#) [Not our Patient](#)

Records: 46 to 60 of 137

# Outputs

## Generated Reports

### Client Follow-Up:

Name: **Fake Example List**

Generated: **05/09/2012 08:18 AM**

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As of Date: **05/09/2012**

# of Clients: **3**

[Manage Clients](#)

Type: **OVERDUE CLIENTS**

### Generated Reports

[Client Report](#)


[Mailing Labels](#)

[XML Extract](#)

[Mail Merge](#)

[Contact List](#)

[Refresh](#)

View	Delete	Report Type	Started	Status
		Contact List	06/05 11:04:59 AM	Ready
		Mail Merge	06/05 11:04:51 AM	Ready
		XML Extract	06/05 11:04:40 AM	Ready
		Mailing Labels	06/05 11:04:39 AM	Ready
		Overdue Immunization Report	06/05 11:04:29 AM	Ready



# Outputs

## Client Report



### Overdue Immunization Report

Organization: MIIC

List: Example List

As of Date : 06/05/2012

	Dose 1	Dose 2	Dose 3	Dose 4	Dose 5	Dose 6
<b>DUCK, DON</b>			DOB: 09/21/2008	Current Age: 3 years 8 months 15 days		
MIIC ID: 6714871	Chart # :		Gender: U	Phone: (555) 555-5555	<input type="checkbox"/> Reminder Sent <input type="checkbox"/> Remove Client	
123 1ST ST SE SAINT PAUL MN 55112-7861						
NEEDS	DTP/aP	09/21/2008 (NV)				
NEEDS	HepB					
NEEDS	Hib					
NEEDS	MMR					
NEEDS	Pneumo-conj					
NEEDS	Polio					
NEEDS	Varicella					
<b>MOUSE, MICKEY</b>			DOB: 03/01/2011	Current Age: 1 year 3 months 4 days		
MIIC ID: 7791337	Chart # :		Gender: U	Phone: (555) 555-5555	<input type="checkbox"/> Reminder Sent <input type="checkbox"/> Remove Client	
345 2ND AVE SE SAINT PAUL MN 55112-7852						
NEEDS	DTP/aP					
	HepA	01/12/2012 (NV)				
NEEDS	HepB					
NEEDS	Hib					
	Influenza	10/06/2011				
	MMR	05/14/2012				
NEEDS	Pneumo-conj					
NEEDS	Polio					
	Varicella	05/14/2012				
<b>MOUSE, MINNIE MINNIE</b>			DOB: 11/13/2005	Current Age: 6 years 6 months 23 days		
MIIC ID: 6853705	Chart # :		Gender: F	Phone: (555) 555-5555	<input type="checkbox"/> Reminder Sent <input type="checkbox"/> Remove Client	
678 3RD ST. ST. PAUL MN 55555						
NEEDS	DTP/aP	06/27/2007	06/06/2009			
NEEDS	HepB	06/06/2009				
	Hib					
NEEDS	MMR					
	Pneumo-conj					
NEEDS	Polio	06/06/2009				
NEEDS	Varicella					

# Outputs

## Client Report



### Overdue Immunization Report

Organization: MIIC

List: Example List

As of Date : 06/05/2012

	Dose 1	Dose 2	Dose 3	Dose 4	Dose 5	Dose 6
<b>DUCK, DON</b>						
MIIC ID: 6714871	Chart # :	DOB: 09/21/2008	Current Age: 3 years 8 months 15 days			
123 1ST ST SE SAINT PAUL MN 55112-7861		Gender: U	Phone: (555) 555-5555	<input type="checkbox"/> Reminder Sent <input type="checkbox"/> Remove Client		

NEEDS DTP/aP 09/21/2008 (NV)  
 NEEDS HepB  
 NEEDS Hib  
 NEEDS MMR  
 NEEDS Pneumo-conj  
 NEEDS Polio  
 NEEDS Varicella

**MOUSE, MICKEY** DOB: 03/01/2011 Current Age: 1 year 3 months 4 days

MIIC ID: 7791337

345 2ND AVE SE SAINT P

NEEDS DTP/aP

HepA

NEEDS HepB

NEEDS Hib

Influenza 10/06/2011

MMR 05/14/2012

NEEDS Pneumo-conj

NEEDS Polio

Varicella 05/14/2012

**MOUSE, MINNIE MINNIE**

MIIC ID: 6853705

Chart # :

DOB: 11/13/2005

Current Age: 6 years 6 months 23 days

678 3RD ST. ST. PAUL MN 55555

Gender: F

Phone: (555) 555-5555

☐ Reminder Sent

☐ Remove Client

NEEDS DTP/aP 06/27/2007 06/06/2009

NEEDS HepB 06/06/2009

Hib

NEEDS MMR

Pneumo-conj

NEEDS Polio 06/06/2009

NEEDS Varicella

**DONALD DUCK - 06/13/2009**

123 168TH ST W

LAKEVILLE, MN 55044-6227

No

# Outputs

## Client Report



Overdue

Organization:

List: Example

As of Date : 0

**DUCK, DON**

MIIC ID: 6714871

123 1ST ST SE SAINT PAUL MN

NEEDS DTP/aP

NEEDS HepB

NEEDS Hib

NEEDS MMR

NEEDS Pneumo-conj

NEEDS Polio

NEEDS Varicella

**MOUSE, MICKEY**

MIIC ID: 7791337

Chart # :

DOB: 03/01/2011

Current Age: 1 year 3 months 4 days

Gender: U

Phone: (555) 555-5555

☐ Reminder Sent

☐ Remove Client

NEEDS

DTP/aP

01/12/2012 (NV)

NEEDS

HepA

NEEDS

HepB

NEEDS

Hib

Influenza

10/06/2011

MMR

05/14/2012

NEEDS

Pneumo-conj

NEEDS

Polio

Varicella

05/14/2012

**MOUSE, MINNIE MINNIE**

MIIC ID: 6853705

Chart # :

DOB: 11/13/2005

Current Age: 6 years 6 months 23 days

Gender: F

Phone: (555) 555-5555

☐ Reminder Sent

☐ Remove Client

678 3RD ST. ST. PAUL MN

55555

NEEDS

DTP/aP

06/27/2007

06/06/2009

NEEDS

HepB

06/06/2009

NEEDS

Hib

NEEDS

MMR

Pneumo-conj

NEEDS

Polio

06/06/2009

NEEDS

Varicella

Vaccine	Immunization Dates	Recmd Day
DTP/aP	1) 09/02/2009 2) 10/30/2009 3) 01/14/2010 4) 03/30/2010 (NV) 5) 12/29/2010	06/29/2013
H1N1 Novel Flu	1) 12/29/2009 2) 01/28/2010	Complete
HepA	1) 09/29/2010	03/29/2011
HepB	1) 06/29/2009 2) 01/14/2010 3) 06/29/2010	Complete
Hib	1) 09/02/2009 2) 10/30/2009 3) 01/14/2010 4) 09/29/2010	Complete
Influenza	1) 12/29/2009 2) 09/29/2010 3) 09/30/2011	09/30/2012
MMR	1) 06/29/2010	06/29/2013
Pneumo-conj	1) 09/02/2009 2) 10/30/2009 3) 01/14/2010 4) 09/29/2010	Complete
Polio	1) 09/02/2009 2) 10/30/2009 3) 01/14/2010 4) 03/30/2010	Complete
Rotavirus	1) 09/02/2009 2) 10/30/2009 3) 12/29/2009	Complete
Varicella	1) 06/29/2010	06/29/2013

# Outputs

## Contact List

	A	B	C	D	E	F	G	H	
1	Organization: Your Clinic								
2	MIIC Organization ID: 1								
3	Patient Follow-Up Name: Fake Example List								
4	Age Range: - MONTH(S)								
5	As of Date: 04/19/2012								
6	Type: Overdue Clients								
7	Generated: 04/19/2012								
8	Number of Clients: 3								
9									
10	Record	Last Name	First Name	DOB	Most Recent Shot	Provider	City	State Zip	
11	1	DUCK	DON	9/21/2008		Clinic A	SAINT PAUL	MN 55112-7861	
12	2	MOUSE	MICKEY	3/1/2011	10/6/2011	Clinic A	SAINT PAUL	MN 55112-7852	
13	3	MOUSE	MINNIE	11/13/2005	6/6/2009	Clinic A	ST. PAUL	MN 55555	



# Outputs

## XML Extract

- XML— Extensible Markup Language
- Another option for provider to get data out
- Ability to manipulate data with support of technical staff to create additional reports

```
i:noNamespaceSchemaLocation="https://miic.health.state.mn.us/style/clientlist.xsd
<id>244191</id>
<client>
  <id>6714871</id>
  <lastname>DUCK</lastname>
  <firstname>DON</firstname>
  <birthdate>2008-09-21</birthdate>
  <age>3</age>
  <notices>no</notices>
  <countycode>99999</countycode>
```

# Potential Benefits of Client Follow-Up

- Improved data quality
- More timely data submission
- Increased immunization rates
- Motivate reminder/recall use in IIS

# Potential Benefits of Client Follow-Up

## Improved Data Quality & More Timely Data Submission

**Patient Follow-Up:**

Name: **NIC Online**

Age Range: **24 to 35 MONTH(S)** Generated: **03/06/2012 06:33 AM**

As of Date: **01/01/2012** # of Clients: **137**

Type: **OVERDUE CLIENTS**

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<input type="checkbox"/>	<u>Last Name</u>	First Name	DOB	<u>Most Recent Shot</u>	<u>Provider</u>	<u>City</u> <u>State</u>
<input type="checkbox"/>	46 <a href="#">MOUSE</a>	MICKEY	07/23/2009	02/22/2011	All About Children	CHANHASSEN, MN 55317-7593
<input type="checkbox"/>	47 <a href="#">MOUSE</a>	MICKEY	12/20/2009	06/21/2011	All About Children	EDEN PRAIRIE, MN 55347-4529
<input type="checkbox"/>	48 <a href="#">MOUSE</a>	MICKEY	09/30/2009	03/16/2011	All About Children	EDEN PRAIRIE, MN 55347-3396
<input type="checkbox"/>	49 <a href="#">MOUSE</a>	MICKEY	02/02/2009	10/27/2010	Park Nicollet Clinics	EDEN PRAIRIE, MN 55347-4534
<input type="checkbox"/>	50 <a href="#">MOUSE</a>	MICKEY	12/31/2009	07/01/2010	All About Children	HOPKINS, MN 55343
<input type="checkbox"/>	51 <a href="#">MOUSE</a>	MICKEY	11/05/2009	11/09/2011	Minnesota Visiting Nurses Agency (MVNA)	BLOOMINGTON, MN 55437-3704
<input type="checkbox"/>	52 <a href="#">MOUSE</a>	MICKEY	06/09/2009	06/22/2011	All About Children	EDEN PRAIRIE, MN 55347-5336
<input type="checkbox"/>	53 <a href="#">MOUSE</a>	MICKEY	01/01/2010	07/18/2011	All About Children	,
<input type="checkbox"/>	54 <a href="#">MOUSE</a>	MICKEY	06/14/2009	06/30/2011	All About Children	EDEN PRAIRIE, MN 55346-3828
<input type="checkbox"/>	55 <a href="#">MOUSE</a>	MICKEY	06/23/2009	07/05/2011	All About Children	VICTORIA, MN 55386-4603
<input type="checkbox"/>	56 <a href="#">MOUSE</a>	MICKEY	07/14/2009	09/29/2011	Metropolitan Pediatrics - Shakopee	SHAKOPEE, MN 55379-5441
<input type="checkbox"/>	57 <a href="#">MOUSE</a>	MICKEY	05/22/2009	06/14/2011	All About Children	LAKEVILLE, MN 55044-7412
<input type="checkbox"/>	58 <a href="#">MOUSE</a>	MICKEY	04/07/2009	05/04/2011	All About Children	EDEN PRAIRIE, MN 55346-1049
<input type="checkbox"/>	59 <a href="#">MOUSE</a>	MICKEY	04/07/2009	05/04/2011	All About Children	EDEN PRAIRIE, MN 55346-1049
<input type="checkbox"/>	60 <a href="#">MOUSE</a>	MICKEY	12/01/2009	08/16/2010	Park Nicollet Clinics	MINNEAPOLIS, MN 55411-4214

[No Reminder](#) [Not our Patient](#)

Records: 46 to 60 of 137

# Potential Benefits of Client Follow-Up

## Improved Data Quality & More Timely Data Submission



### Overdue Immunization Report

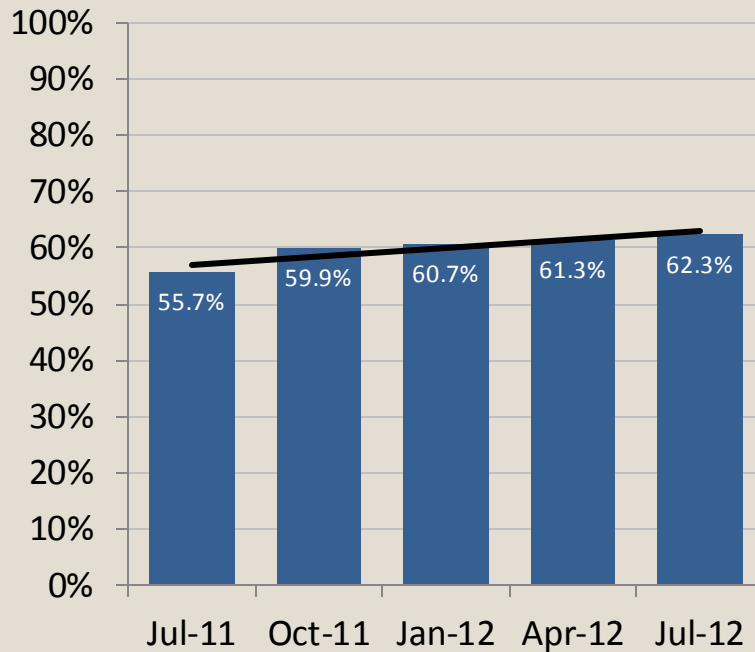
Organization: MIIC  
 List: Example List  
 As of Date : 06/05/2012

	Dose 1	Dose 2	Dose 3	Dose 4	Dose 5	Dose 6
<b>DUCK, DON</b>						
MIIC ID: 6714871	Chart # :		DOB: 09/21/2008	Current Age: 3 years 8 months 15 days		
123 1ST ST SE SAINT PAUL MN 55112-7861			Gender: U	Phone: (555) 555-5555		
NEEDS DTP/aP	09/21/2008 (NV)					<input type="checkbox"/> Reminder Sent <input type="checkbox"/> Remove Client
NEEDS HepB						
NEEDS Hib						
NEEDS MMR						
NEEDS Pneumo-conj						
NEEDS Polio						
NEEDS Varicella						
<b>MOUSE, MICKEY</b>						
MIIC ID: 7791337	Chart # :		DOB: 03/01/2011	Current Age: 1 year 3 months 4 days		
345 2ND AVE SE SAINT PAUL MN 55112-7852			Gender: U	Phone: (555) 555-5555		
NEEDS DTP/aP						<input type="checkbox"/> Reminder Sent <input type="checkbox"/> Remove Client
NEEDS HepA	01/12/2012 (NV)					
NEEDS HepB						
NEEDS Hib						
NEEDS Influenza	10/06/2011					
NEEDS MMR	05/14/2012					
NEEDS Pneumo-conj						
NEEDS Polio						
NEEDS Varicella	05/14/2012					
<b>MOUSE, MINNIE MINNIE</b>						
MIIC ID: 6853705	Chart # :		DOB: 11/13/2005	Current Age: 6 years 6 months 23 days		
678 3RD ST. ST. PAUL MN 55555			Gender: F	Phone: (555) 555-5555		
NEEDS DTP/aP	06/27/2007	06/06/2009				<input type="checkbox"/> Reminder Sent <input type="checkbox"/> Remove Client
NEEDS HepB	06/06/2009					
NEEDS Hib						
NEEDS MMR						
NEEDS Pneumo-conj						
NEEDS Polio	06/06/2009					
NEEDS Varicella						

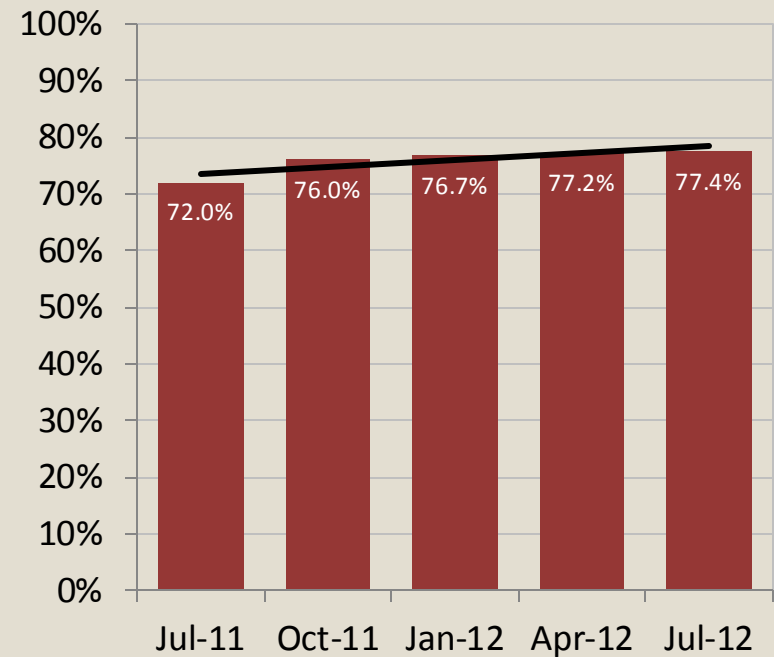
# Potential Benefits of Client Follow-Up

## Increasing Immunization Rates

Series



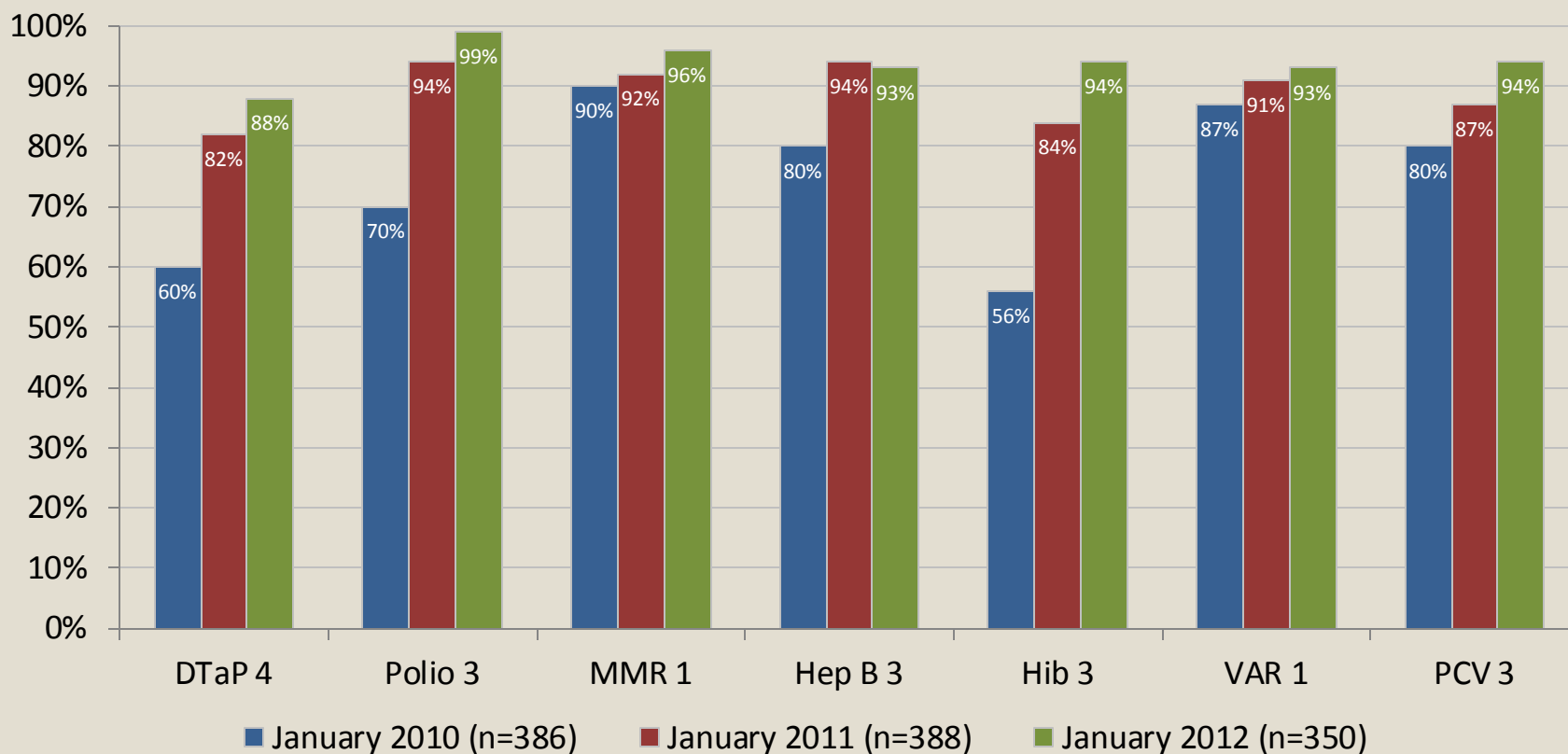
DTaP



# Potential Benefits of Client Follow-Up

## Increasing Immunization Rates

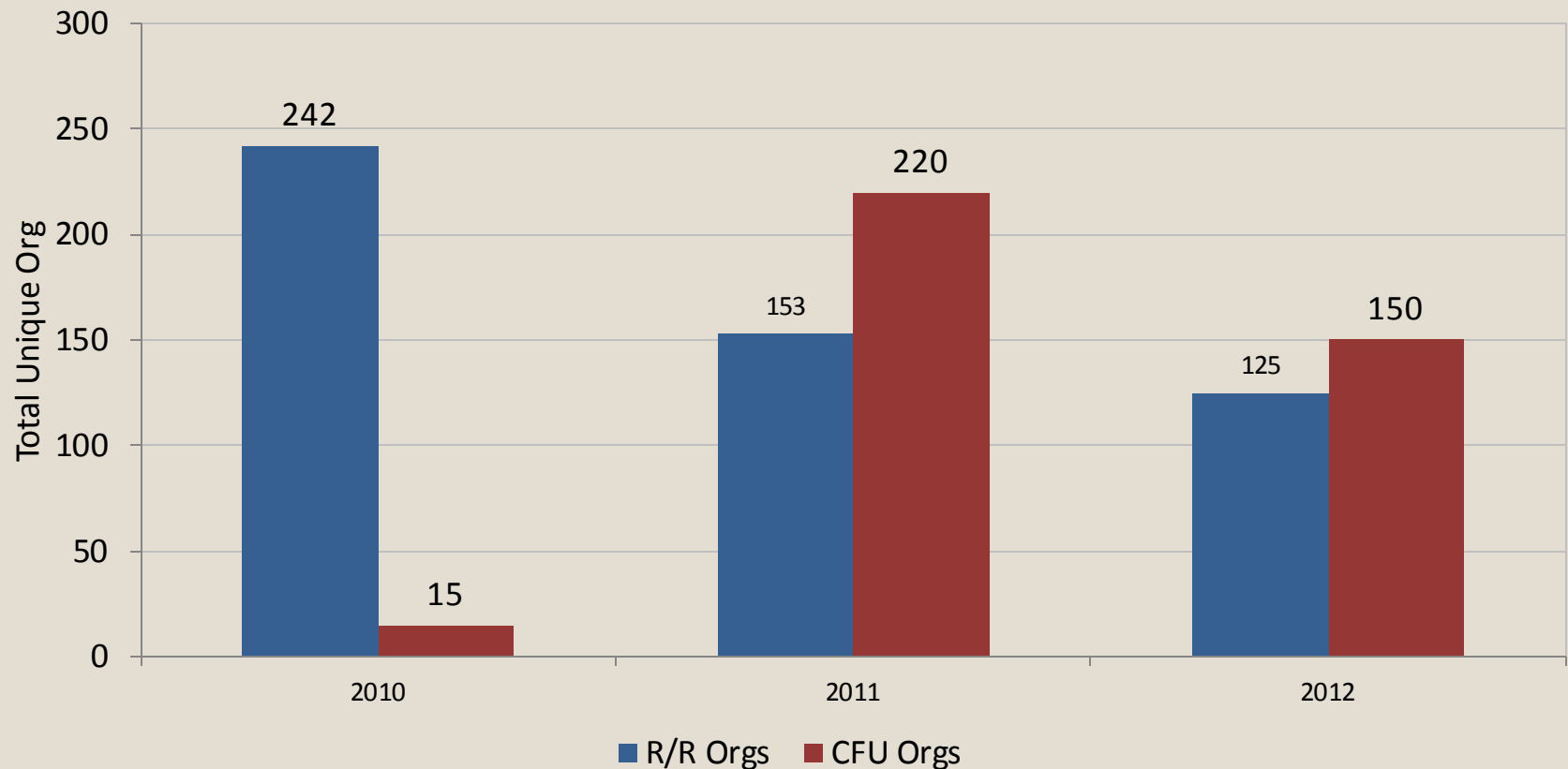
Single Vaccine Coverage at 24 months



# Potential Benefits of Client Follow-Up

## Motivate Reminder/Recall Use In IIS

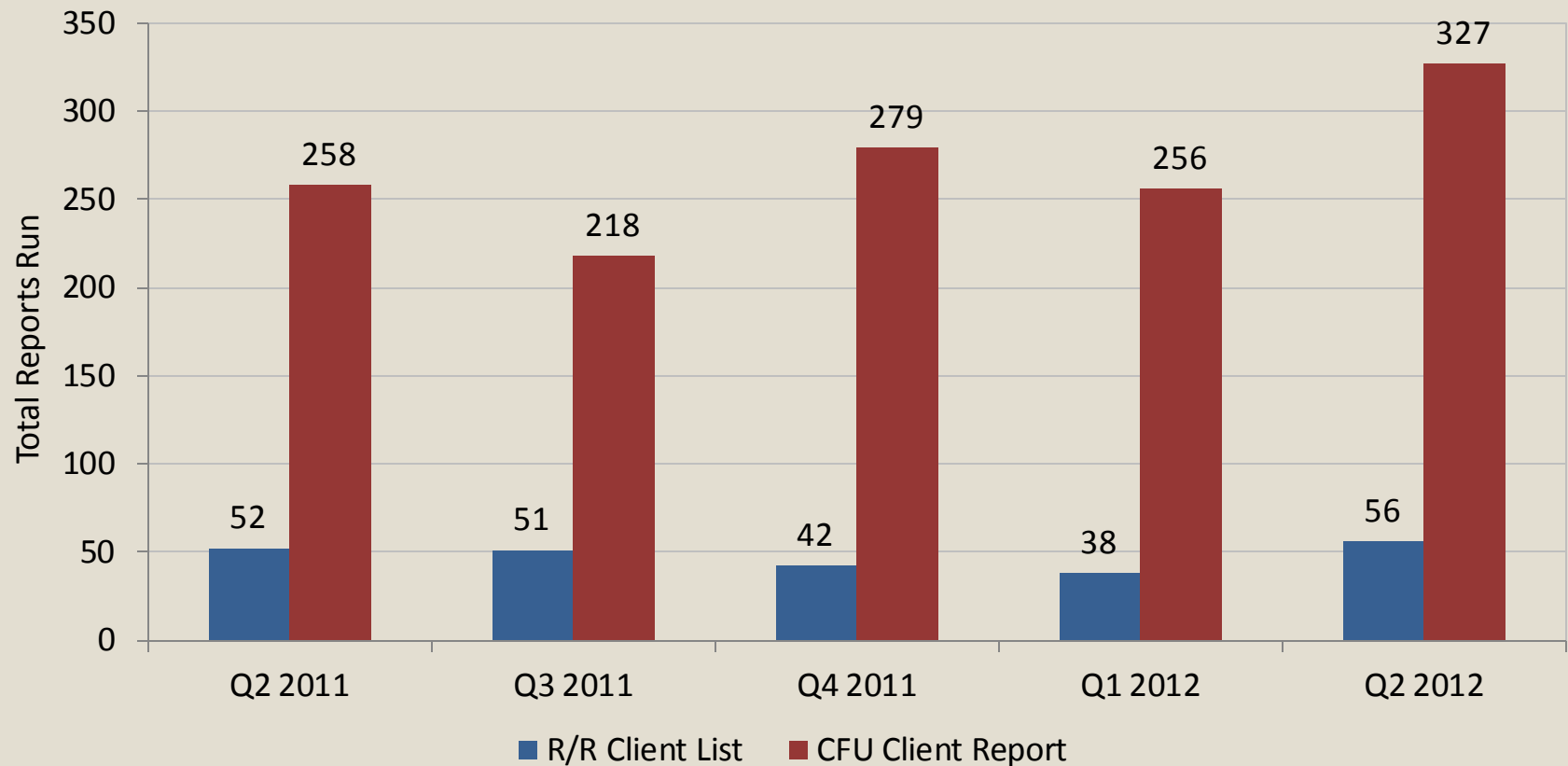
R/R vs. CFU Unique Org Usage



# Potential Benefits of Client Follow-Up

## Motivate Reminder/Recall Use In IIS

R/R vs. CFU Report Usage

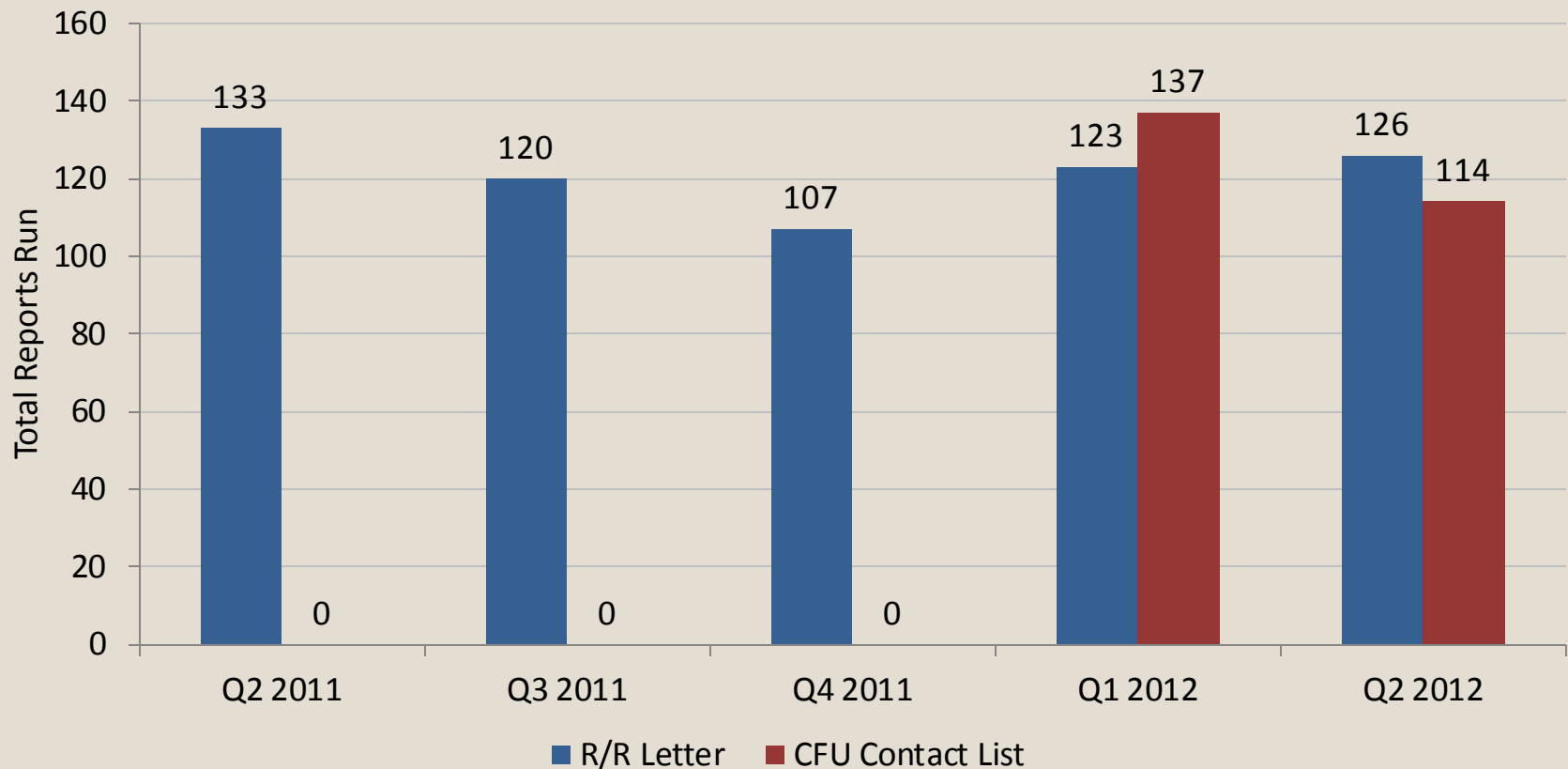




# Potential Benefits of Client Follow-Up

## Motivate Reminder/Recall Use In IIS

R/R vs. CFU Other Usage



# Future Enhancements

- **Creating Follow-Up**

- Expansion of age groups/vaccines
- Modified schedule for outbreak
- Number of doses

- **Managing Follow-Up**

- Additional sort functions

- **Outputs**

- Additional Reports
  - Letter/postcard template
  - List of clients with: bad address, potential duplicates, comments(ie refusals)
  - Other languages

# Acknowledgements

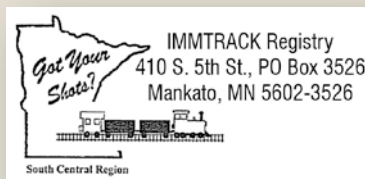
- Bette Hoffer
  - CHIC Regional Coordinator
- Sandy Macziewski
  - SW-MIIC Regional Coordinator
- State MIIC staff
- Hewlett Packard (HP)

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