

---

# Living “Single” in a “Multi” Data Collection World

March 2010

Presentation to the FedCASIC Conference  
Steve Lehrfeld

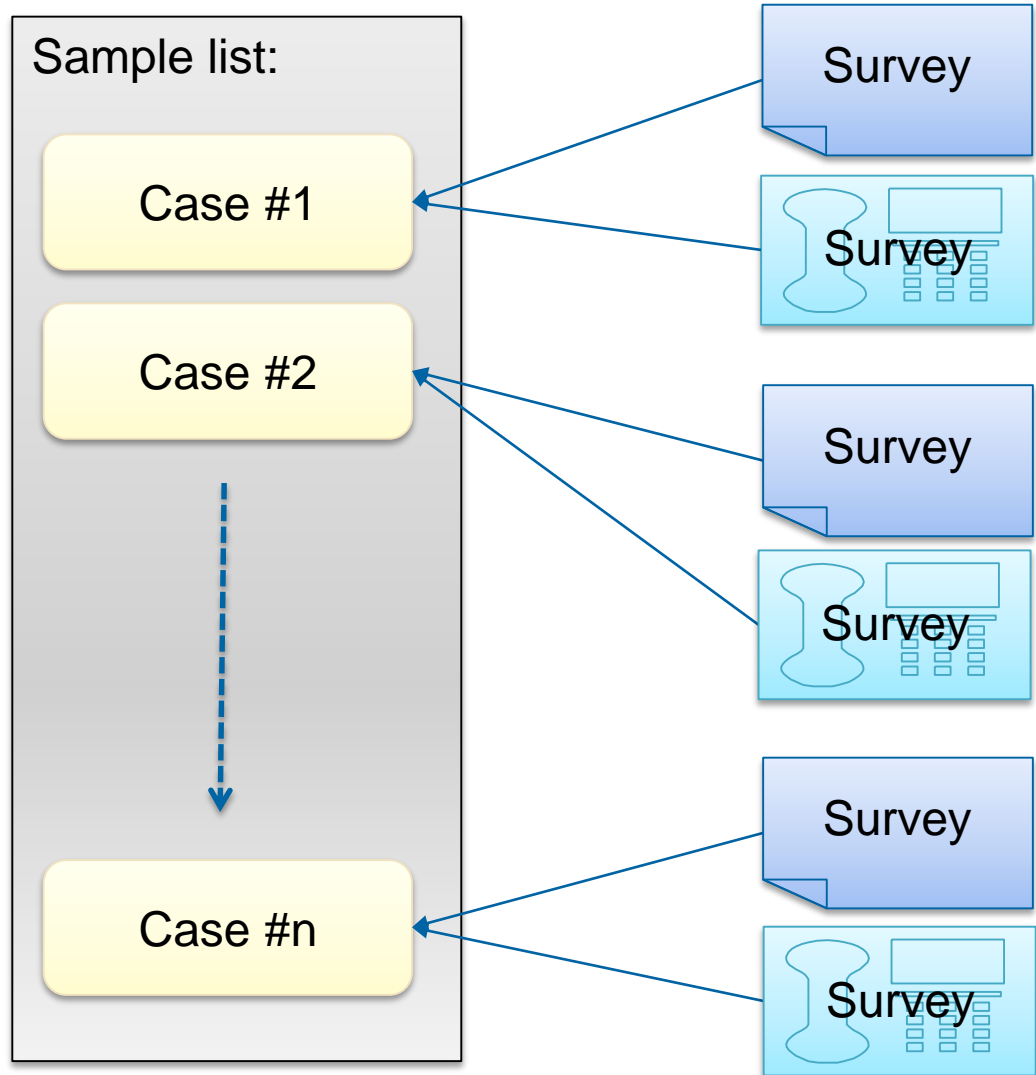
**MATHEMATICA**  
Policy Research, Inc.

# Overview

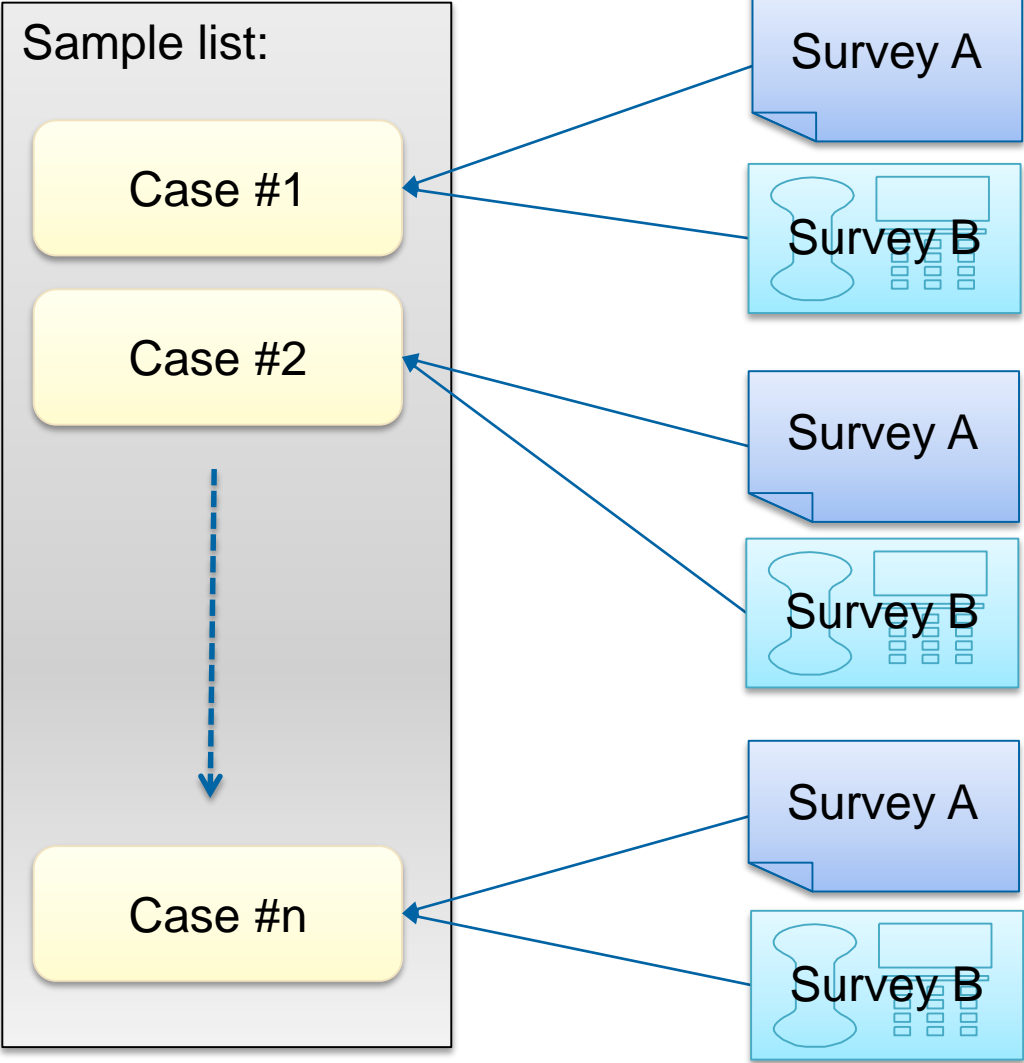
---

- **Defining "multiple" terms**
- **Diagram a real example**
- **Mathematica's "simple" solution to a complex problem**

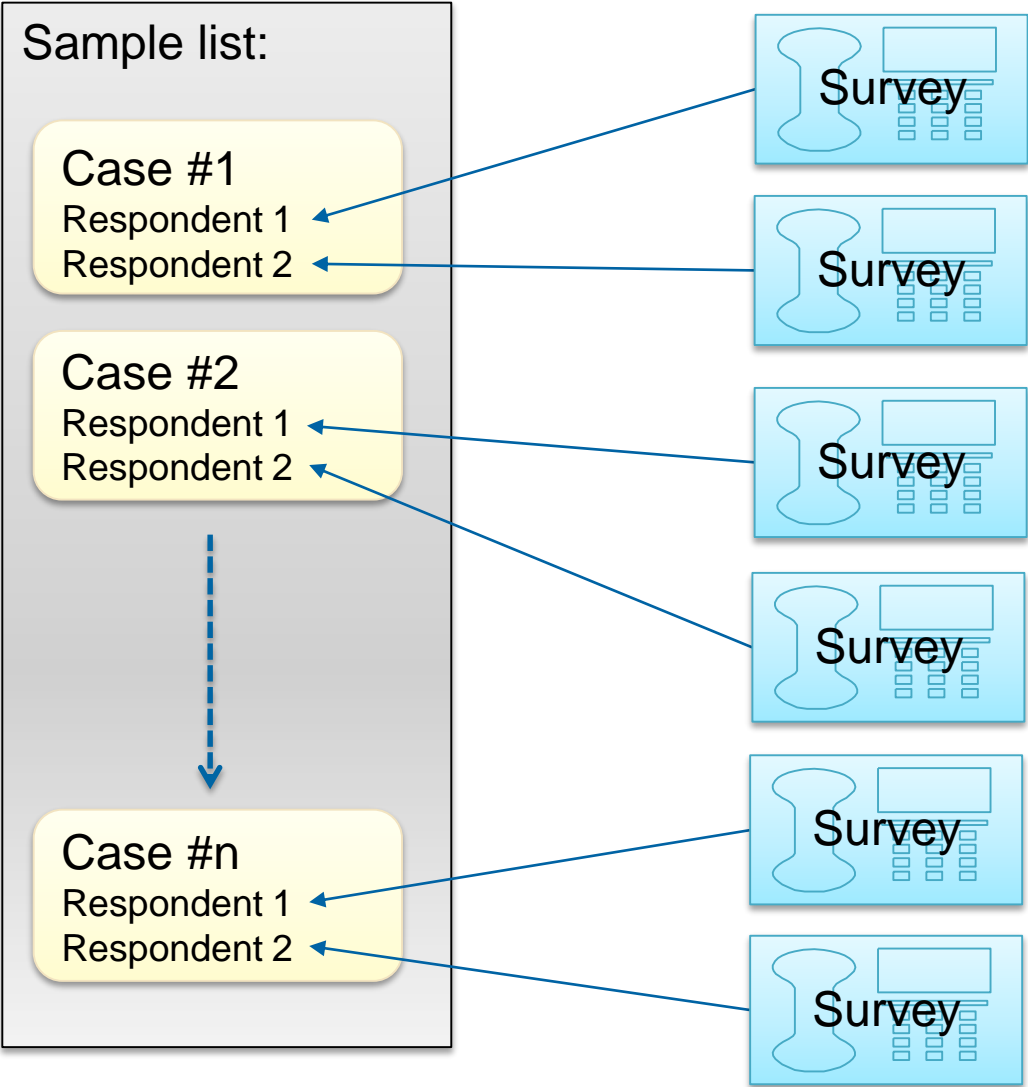
# Sheep & Multi-Doyle



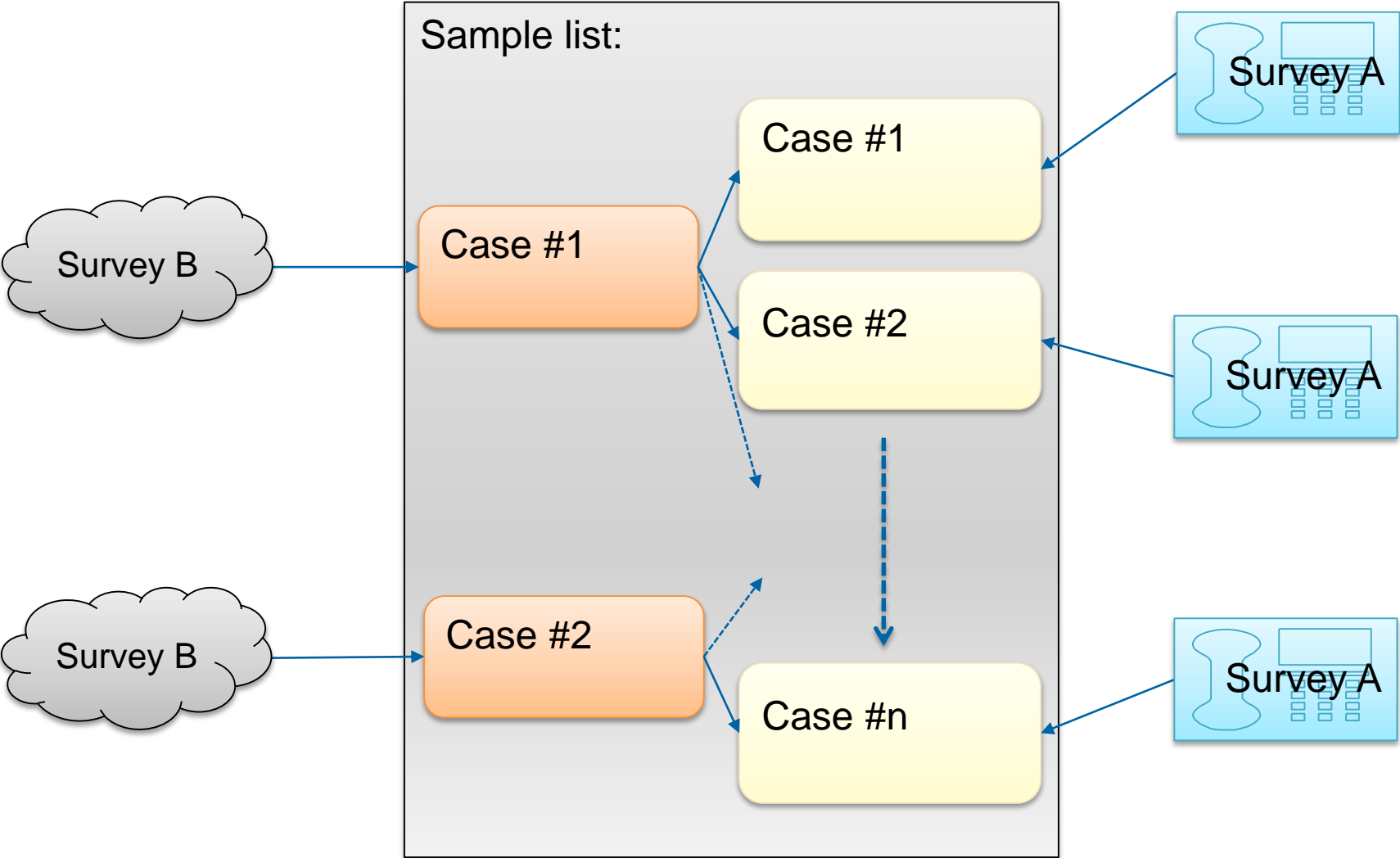
# Multi-Instrument



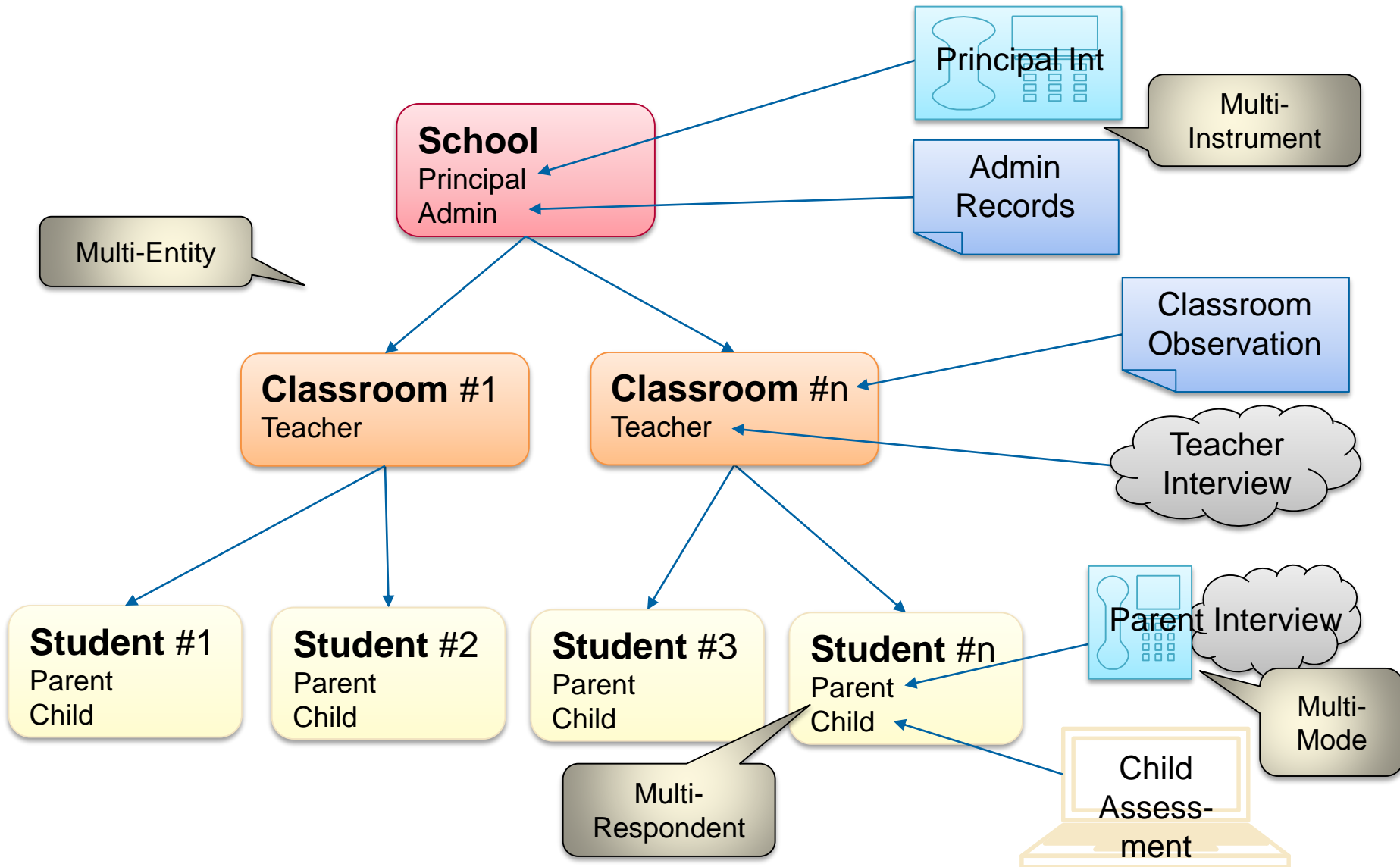
# Multi-Respondent



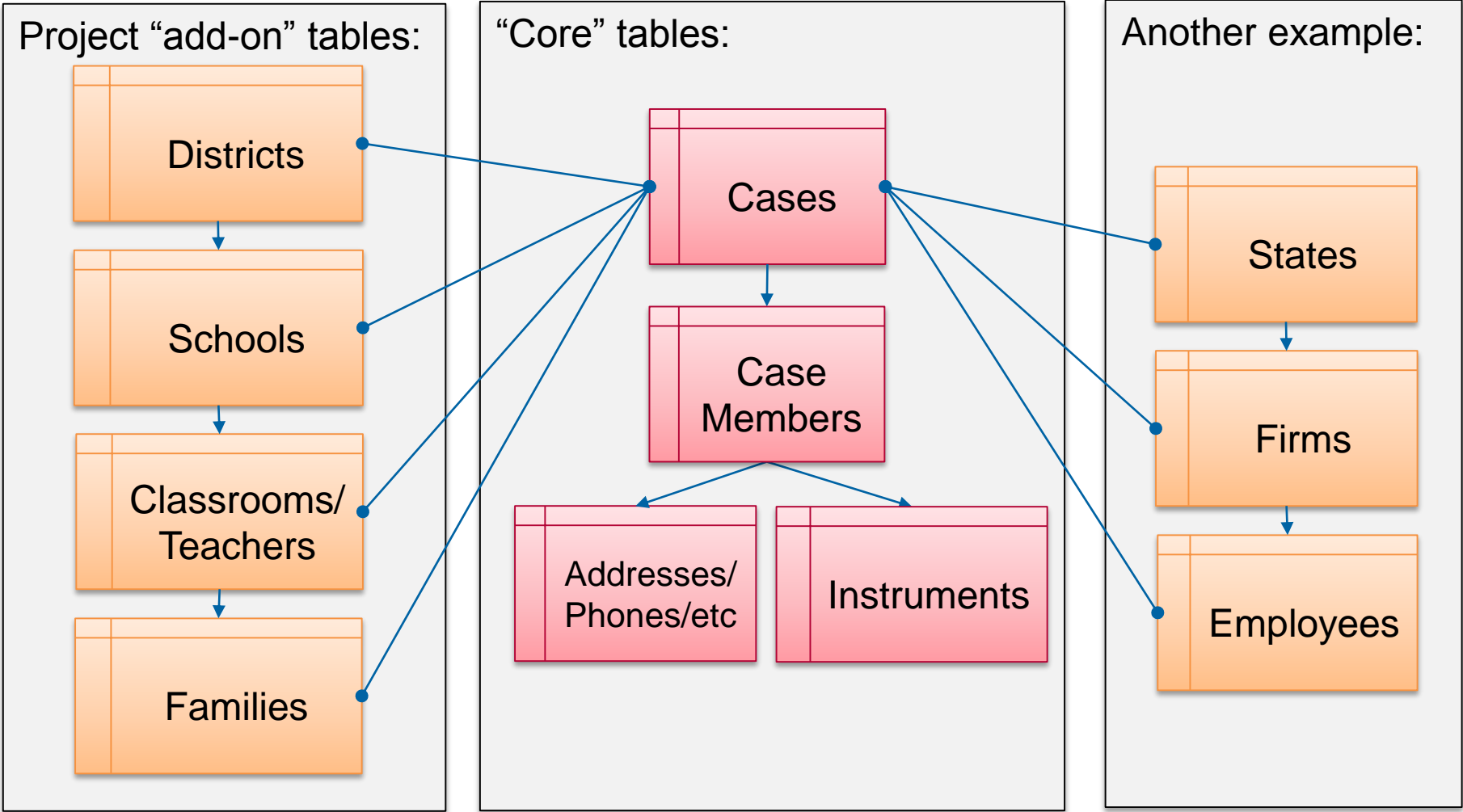
# Multi-Entity



# An “educational” example

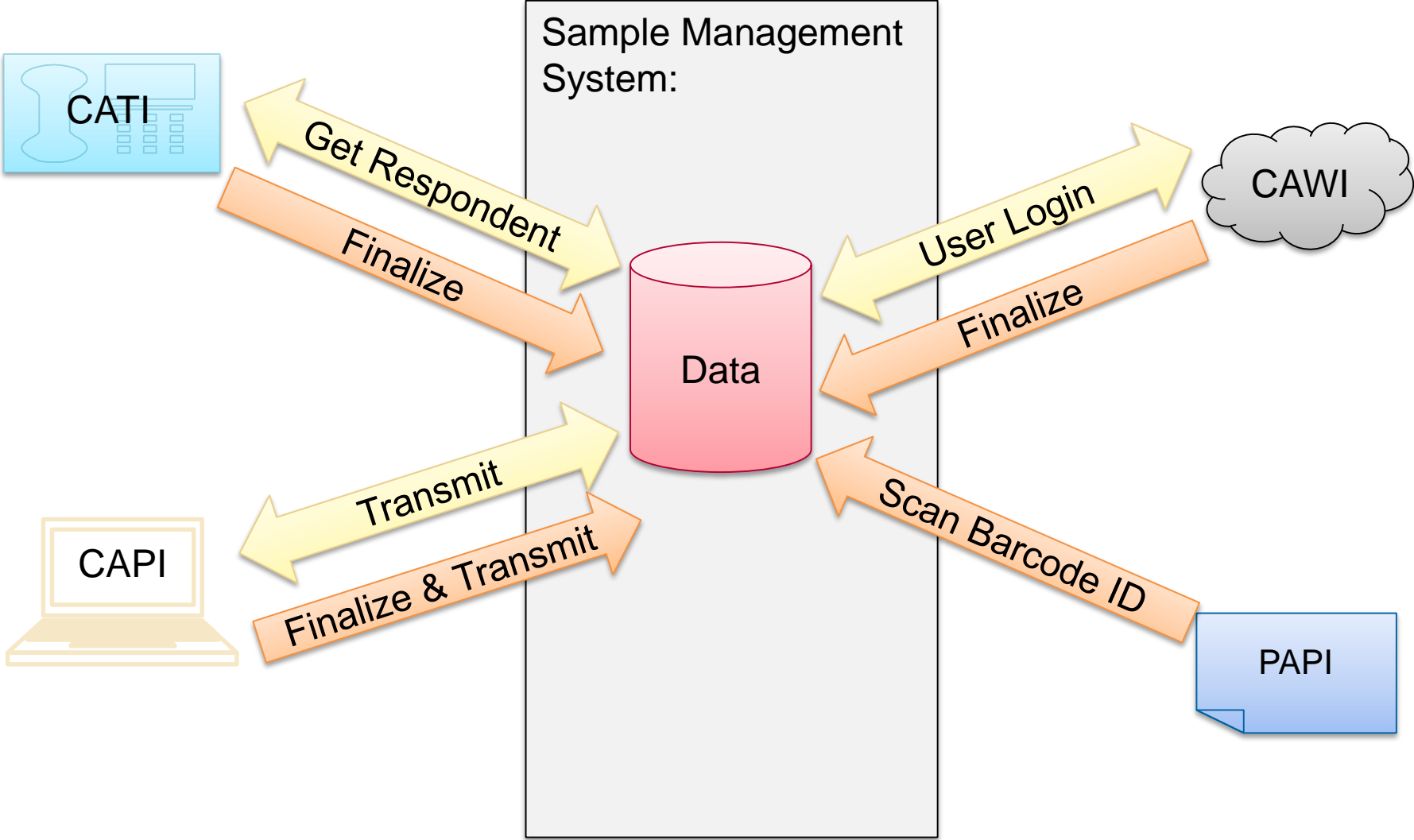


# How we do it: Sample Management

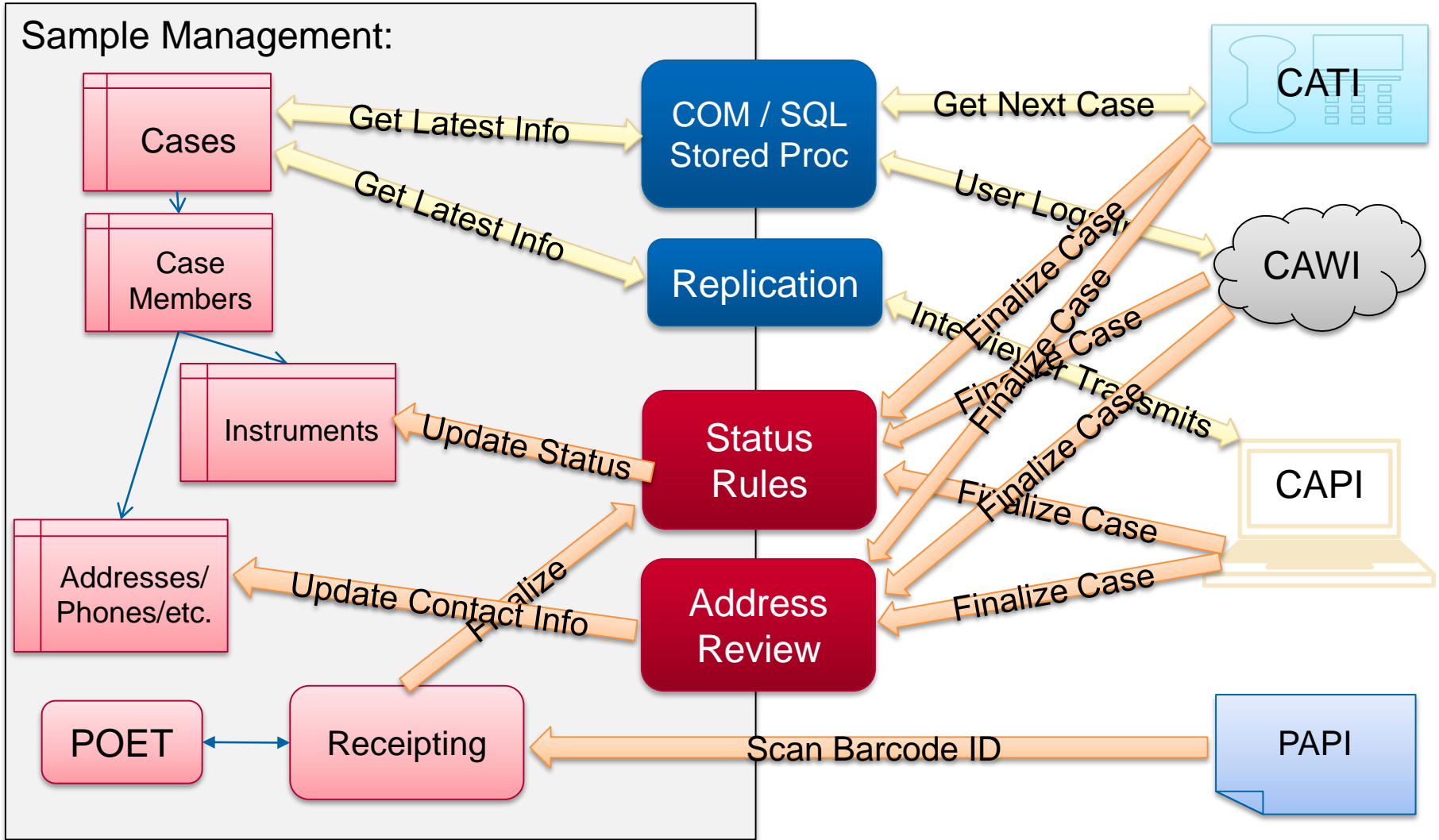




# How we do it: Connected Systems






# How we do it: More Detail







# UI Representation: Case Members



Members | Instruments & Documents | Sampling | Notes | Family

Case members/contacts  Show:  Members  Contacts 

MPRID	Relationship	Person Name	SSN	Date of Birth	Consent	Language
 10001594	Primary Sample Member	Larry Taylor		06/09/2002	Not received	Unknown
10003372	Parent / Guardian	Gina Smith			Not received	Unknown
10003505	Parent / Guardian	Jason Taylor			Not received	Unknown

 Add...  Edit...

Addresses  Show:  Duplicates 

Quality	Address	City	State	Postal Code	Type	Notes
	315 Enterprise Dr	Plainsboro	NJ	08536	Home address ...	new address on Enterprise Dr from
	415 Main St	Princeton	NJ	08855	Home address ...	

# UI Representation: Instruments

Members Instruments & Documents Sampling Notes Family

Instruments

Type	Sample Member	Current Respondent	Status	Status Date	Release Date
Family Consent 2009	Jordan ██████	Michelle ██████	040 - Hardcopy comp...	02/18/2009	02/11/2009
Teacher-Child Report (Cohort 1/PCG) 2009	Jordan ██████	Max ██████	040 - Hardcopy comp...	09/11/2009	02/26/2009
Parent Interview 2009	Jordan ██████	Michelle ██████	590 - Final unlocatabl...	07/31/2009	04/13/2009
Parent Interview 2010	Jordan ██████	Michelle ██████	000 - Untouched	02/11/2010	02/11/2010

Status History

# Example Report



## FACTS Summary

	sample release	inelig	eligible sample	Child		Parent Interview				Teacher Child Rating					
				N	%	CATI		CAPI		Web		Hard Copy			
						N	%	N	%	N	%	N	%		
Campanile	68	7	61	0	0.0	27	44.3	0	0	27	44.3	0	0	0	0
Capital Area	56	7	49	0	0.0	24	49.0	0	0	24	49.0	0	0	0	0
Episcopal	60	8	52	0	0.0	25	48.1	0	0	25	48.1	0	0	0	0
McIntosh	67	1	66	0	0.0	36	54.5	0	0	36	54.5	0	0	0	0
Rocky Hill	42	11	31	0	0.0	19	61.3	0	0	19	61.3	0	0	0	0
Union	55	6	49	0	0.0	24	49.0	0	0	24	49.0	0	0	0	0
<b>3/11/2010</b>	<b>348</b>	<b>40</b>	<b>308</b>	<b>0</b>	<b>0.0</b>	<b>155</b>	<b>50.3</b>	<b>0</b>	<b>0.0</b>	<b>155</b>	<b>50.3</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>
Capital Area	40	5	35	0	0.0	11	31.4	0	0	11	31.4	0	0	0	0
Catholic	45	4	41	0	0.0	13	31.7	0	0	13	31.7	0	0	0	0
Chattahoochee	49	3	46	0	0.0	22	47.8	0	0	22	47.8	0	0	0	0
Communi	27	3	24	0	0.0	8	33.3	0	0	8	33.3	0	0	0	0
Ninth	65	4	61	0	0.0	23	37.7	0	0	23	37.7	0	0	0	0
Region	72	6	66	0	0.0	24	36.4	0	0	24	36.4	0	0	0	0
<b>3/22/2010</b>	<b>298</b>	<b>25</b>	<b>273</b>	<b>0</b>	<b>0.0</b>	<b>101</b>	<b>37.0</b>	<b>0</b>	<b>0.0</b>	<b>101</b>	<b>37.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>
Communi	20	1	19	0	0.0	5	26.3	0	0	5	26.3	0	0	0	0
Communi	66	5	61	0	0.0	9	14.8	0	0	9	14.8	0	0	0	0
Heartland	64	2	62	0	0.0	11	17.7	0	0	11	17.7	0	0	0	0
Jefferson	69	3	66	0	0.0	13	19.7	0	0	13	19.7	0	0	0	0
Mississ	65	5	60	0	0.0	12	20.0	0	0	12	20.0	0	0	0	0
Sierra	21	1	20	0	0.0	5	25.0	0	0	5	25.0	0	0	0	0
Twin Rivers	46	2	44	0	0.0	10	22.7	0	0	10	22.7	0	0	0	0
YWCA	62	8	54	0	0.0	13	24.1	0	0	13	24.1	0	0	0	0
<b>3/22/2010</b>	<b>413</b>	<b>27</b>	<b>386</b>	<b>0</b>	<b>0.0</b>	<b>78</b>	<b>20.2</b>	<b>0</b>	<b>0.0</b>	<b>78</b>	<b>20.2</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>

# For More Information

---

- **Please contact:**
  - [slehrfeld@mathematica-mpr.com](mailto:slehrfeld@mathematica-mpr.com)