

Summer of NYTD, 2018

National Data Archive for Child
Abuse and Neglect

Bronfenbrenner Center for
Translational Research

Cornell University

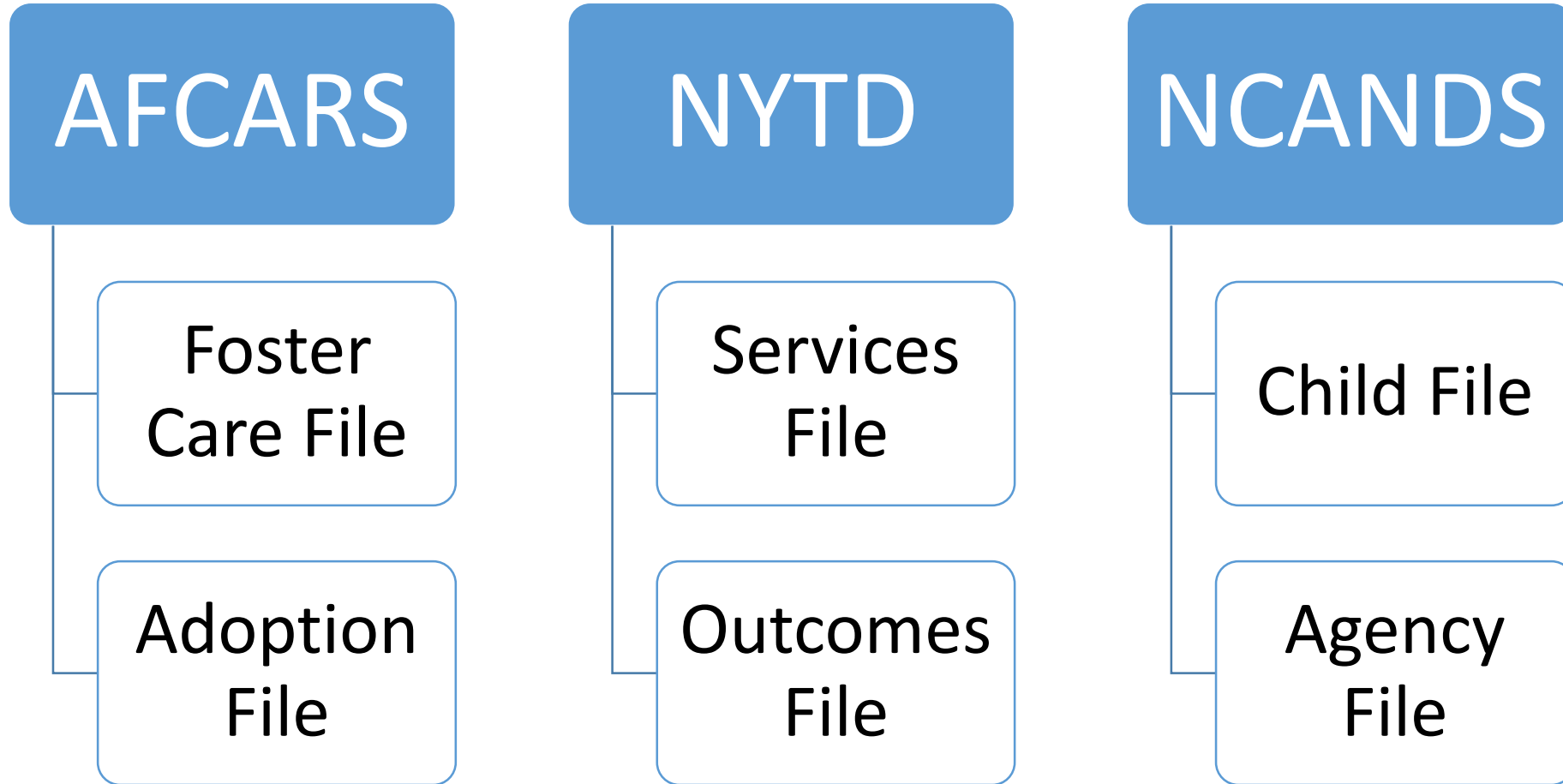
Introduction

- Summer Schedule:
 - August 8th — Introduction
 - August 15th — Data Structure
 - August 22nd — Expert Presentation I
 - August 29th — Expert Presentation II
 - **September 5th — Linking to NCANDS & AFCARS**
 - September 12th — Research Presentation I
 - September 19th — Research Presentation II

Linking Datasets

AFCARS, NYTD, NCANDS

A Family of Datasets



Preparing the Linked File

Same Dataset

The AFCARS Foster Care File

NDACAN distributes Foster Care files in one-fiscal-year batches

Fiscal year is denoted by the variable ***FY***

The child's ***RecNumbr*** will appear in every year the child is in FC, even if nothing happens.

Not all years for all states can be linked

AFCARS Foster Care File

- Try to reduce the file to one record per child
- What Information Do You Need?
 - Length of Stay? – Use most recent record
 - Reason For Entry? – Use most recent record
 - Data from Previous Removal? – Need earlier years' records

AFCARS Foster Care

Grid of Successful Links Year-to-Year Using Child Identifier (St+RecNumbr), Birth Date, and Sex

State	16-15	15-14	14-13	13-12	12-11	11-10	10-09	09-08	08-07	07-06	06-05	05-04	04-03	03-02	02-01	01-00	00-99	99-98
Alabama	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Alaska	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1
Arizona	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
Arkansas	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0
California	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Colorado	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Connecticut	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1
Delaware	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
District of Columbia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
Florida	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
Georgia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
Hawaii	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Idaho	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Illinois	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Indiana	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0
Iowa	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Kansas	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0
Kentucky	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	0
Louisiana	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Maine	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Maryland	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1
Massachusetts	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
Michigan	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Minnesota	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
Mississippi	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Missouri	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
Montana	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nebraska	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
Nevada	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0
New Hampshire	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0
New Jersey	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1
New Mexico	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
New York	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0

The NCANDS Child File

The Child Identifier
is called *ChID* (not
AFCARSID)

A row is a Child on
a Report
(*RptID/ChID* Pair)

A multi-year Child
File may have
duplicate
Report/Child rows

Not all years of
Child File data can
be linked

Linking the NCANDS Child File Year to Year

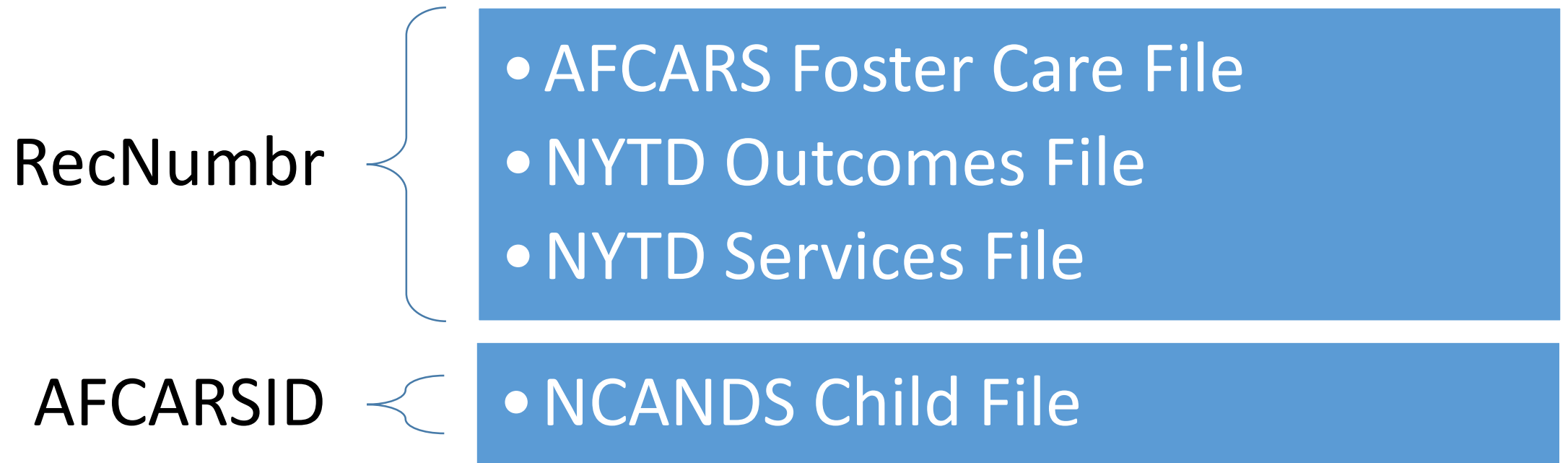
Successful Link Between Years (Child IDs: 1=match; 0 = don't match)																		
FIPS	St	State	15-16	14-15	13-14	12-13	11-12	10-11	09-10	08-09	07-08	06-07	05-06	04-05	03-04	02-03	01-02	00-01
1	AL	Alabama	1	1	1	1	1	1	1	0	1	1	1					
2	AK	Alaska	1	1	1	1	1	1	1	1	1	1	1					
4	AZ	Arizona	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
5	AR	Arkansas	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
6	CA	California	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
8	CO	Colorado	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
9	CT	Connecticut	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
10	DE	Delaware	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1
11	DC	District of Columbia	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	
12	FL	Florida	1	1	1	1	1	1	0	1	1	0	1	1	1	1	0	1
20	KS	Kansas	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	1
21	KY	Kentucky	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1
22	LA	Louisiana	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
23	ME	Maine	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
24	MD	Maryland	1	1	1	1	0	1	1	1	1			1	1	0		
25	MA	Massachusetts	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
26	MI	Michigan	1	1	1	1	1	1	1	1			1	1	1	0		
27	MN	Minnesota	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
28	MS	Mississippi	1	1	1	1	1	1	1	1	1	1	1	1	1	0		
37	NC	North Carolina	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
38	ND	North Dakota	1	1	1	1	1	1										
39	OH	Ohio	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	
40	OK	Oklahoma	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
41	OR	Oregon	1	1	1	1												
42	PA	Pennsylvania	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0
44	RI	Rhode Island	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
45	SC	South Carolina	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
46	SD	South Dakota	1	1	1	1	1	1	1	1	1	1	1	1	1			
47	TN	Tennessee	1	1	1	1	0	0	0	1	1	1	1	1	0			
48	TX	Texas	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
49	UT	Utah	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0
56	WY	Wyoming	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
72	PR	Puerto Rico		0	0	0	0	0	0	0	0	0						
		N States:	50	50	50	50	46	48	46	44	46	42	45	41	40	16	0	14

NCANDS Child File

- Try to reduce the file to one record per child
- What information do you need?
 - History of Abuse – Need multiple years
 - Number of Reports / Victimizations -- Summarize

Linking Across Datasets

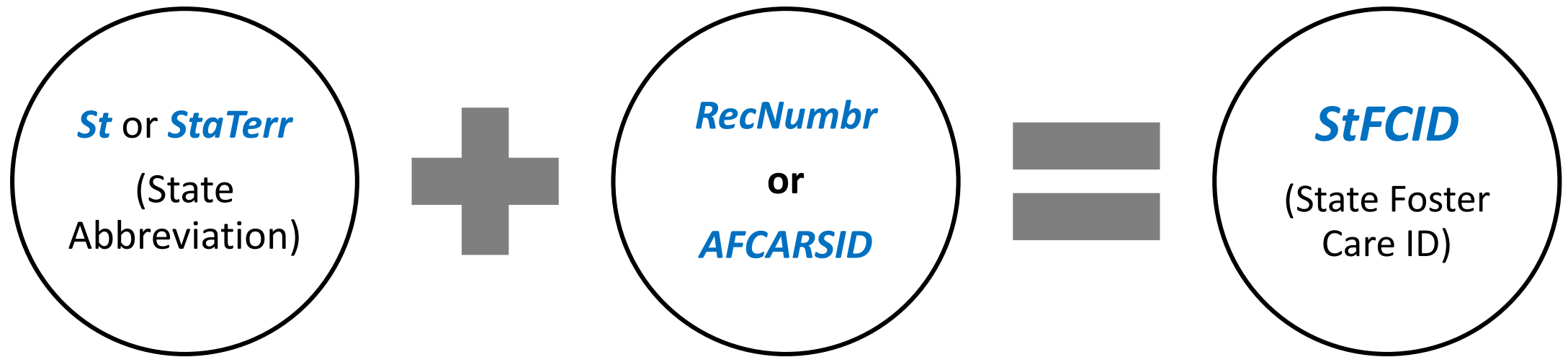
The Key, Part 1: The Child Identifier



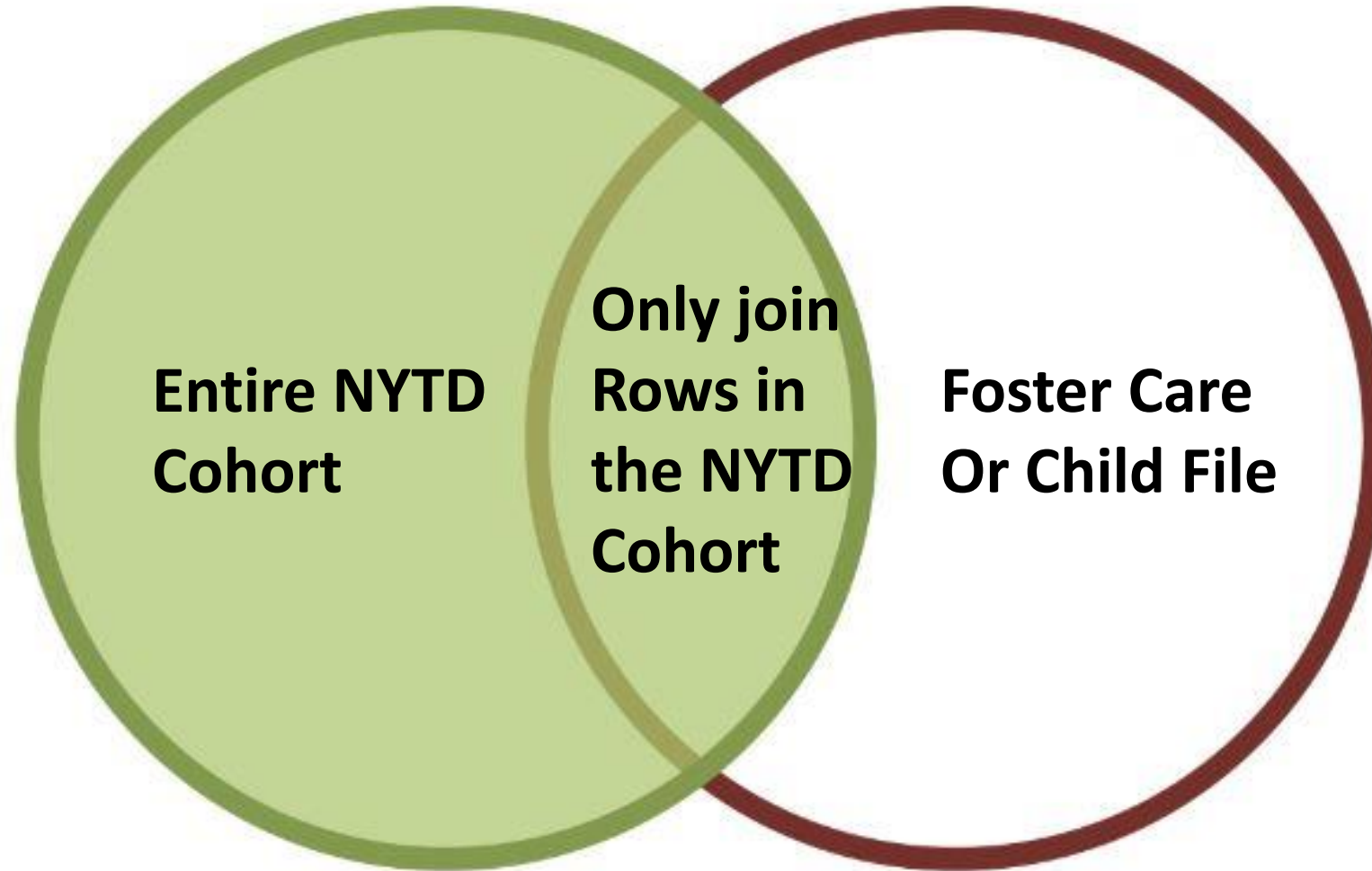
The Key, Part 2: State

- A Child Identifier may appear in more than one state
- The state ID is needed
 - Called ***St*** in all but Child File, where it's called ***StaTerr***
- Files *can* be linked (merged) on two variables
- Better idea: Create linking variable
- Advantages:
 - Simplifies code
 - Linking variable has the same name in all datasets
 - Removes confusion resulting from different variable names

The Key, Part 2: State



Outer Join



A Left Join Will Produce Blank Rows on the Foster Care Side

```
SELECT c11.St, c11.StFCID, OutcmRpt, OutcmDte, CurrFTE, HighEdCert
      , FY, LatRemDt, TotalRem, ClinDis, PHYABUSE, PedRevDt
FROM Cohort11 c11
LEFT JOIN (
    Select *
    From afcars.dbo.FosterCare
    Where FY = 2011
) fc
ON c11.StFCID = fc.StFCID
WHERE Wave=1
      AND FY11Cohort=1
      AND OutcmDte is not null
ORDER BY StFCID, FY
```

Outer Join: All the NYTD Records

St	StFCID	NYTD				AFCARS				
		OutcmRpt	OutcmDte	CurrFTE	HighEdCert	FY	LatRemDt	TotalRe	ClinDis	PhyAbuse
UT	UTCTW1D1TLXFF6R	1	2015/05/12	0	7	2011	2011/02/04	1	1	1
UT	UTC6M3VIGFPYY03	1	2015/05/19	0	1	2011	2006/12/06	3	3	1
GA	GA2SZBC3V4KKKZI	1	2011/01/05	0	7	2011	2007/02/02	3	3	0
PA	PATNWULCVN8GGKG	1	2010/11/21	0	1	2011	2005/05/24	3	2	0
MD	MDL17N2VNUV5549	1	2010/10/25	0	7	2011	2004/10/19	1	2	0
KS	KS0A0A0C3E3G4D	1	2011/06/27	0	7	2011	NULL	NULL	NULL	NULL
FL	FL0I8GRFQ70WWAM	1	2011/03/21	0	7	2011	NULL	NULL	NULL	NULL
GA	GA9R7IAX296UUU1	1	2011/05/27	0	7	2011	2010/01/22	1	2	0
FL	FLLDTSJ1GP5CCUS	1	2011/06/21	0	7	2011	2004/11/23	2	1	1
MO	MO224176579156	1	2010/12/17	0	7	2011	2005/06/23	1	1	0
OR	ORNYHUIAH9Q11T9	1	2011/03/08	0	7	2011	2009/05/19	1	2	0
KS	KSQAKD56MIV77V3	1	2010/11/30	0	7	2011	2006/01/02	4	1	1
TX	TX73YZNQGX5ZZIY	1	2010/11/17	0	7	2011	NULL	NULL	NULL	NULL
CT	CTVSPWXW2W9HHHD	1	2010/11/10	0	7	2011	NULL	NULL	NULL	NULL
LA	LAYADUO58K4WWER	1	2011/02/08	0	7	2011	NULL	NULL	NULL	NULL
CA	CAQHLCO1FA455UL	1	2010/12/14	0	7	2011	2010/09/07	1	3	0
AR	AR6RQI7BV92FFMY	1	2015/03/19	0	1	2011	2010/07/18	1	2	0

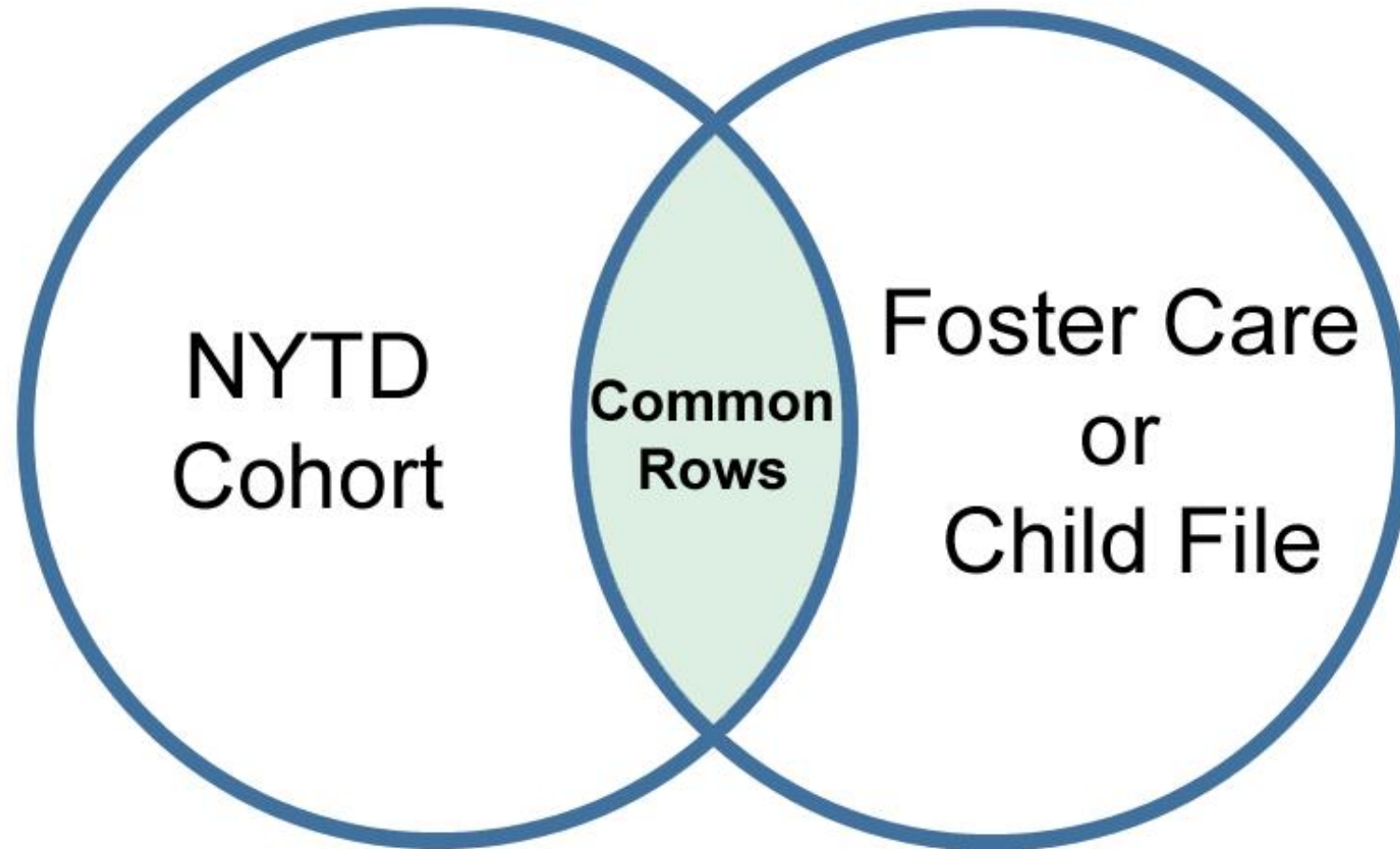
This Query Will Produce Duplicate NYTD Rows

```
SELECT c11.St, c11.StFCID, OutcmRpt, OutcmDte, CurrFTE, HighEdCert
      , FY, LatRemDt, TotalRem, ClinDis, PhyAbuse, PedRevDt
FROM Cohort11 c11
LEFT JOIN (
    Select *
    From afcars.dbo.FosterCare
    Where FY Between 2010 and 2015
) fc
ON c11.StFCID = fc.StFCID
WHERE Wave=1
      AND FY11Cohort=1
      AND OutcmDte is not null
ORDER BY StFCID, FY
```


Join Can Produce Duplicate Rows

St	StFCID	NYTD				AFCARS					
		OutcmRpt	OutcmDte	CurrFTE	HighEdCert	FY	LatRemDt	TotalRem	ClinDis	PhyAbuse	PedRevDt
KS	KS0A0A0C3E3G4D	1	2010/12/28	0	7	2010	2007/09/08	1	2	0	2010/09/14
KS	KS0A0A0C3E3G4D	1	2010/12/28	0	7	2011	2007/09/08	1	2	0	2011/09/22
KS	KS0A0A0C3E3G4D	1	2010/12/28	0	7	2012	2007/09/08	1	2	0	2012/03/08
TX	TX73YZNQGX5ZZIY	1	2011/09/08	0	7	2010	1997/05/30	1	2	0	2010/06/08
TX	TX73YZNQGX5ZZIY	1	2011/09/08	0	7	2011	1997/05/30	1	2	0	2011/09/16
TX	TX73YZNQGX5ZZIY	1	2011/09/08	0	7	2012	1997/05/30	1	2	0	2012/06/21
GA	GA9R7IAX296UUU1	1	2011/08/17	0	7	2010	2007/10/15	1	1	0	2010/09/02
GA	GA9R7IAX296UUU2	1	2011/08/17	0	7	2011	2007/10/15	1	1	0	2011/08/18
GA	GA9R7IAX296UUU3	1	2011/08/17	0	7	2012	2007/10/15	1	1	0	2012/08/02
MO	MO224176579156	1	2011/04/26	0	7	2010	2006/08/03	1	1	0	2010/04/19
MO	MO224176579156	1	2011/04/26	0	7	2011	2006/08/03	1	1	0	2011/04/22
MO	MO224176579156	1	2011/04/26	0	7	2012	2006/08/03	1	1	0	2012/04/24
MO	MO224176579156	1	2011/04/26	0	7	2013	2006/08/03	1	1	0	2013/04/23
UT	UTC6M3VIGFPYY03	1	2011/04/27	0	7	NULL	NULL	NULL	NULL	NULL	NULL
FL	FLLDTSJ1GP5CCUS	1	2011/09/21	0	7	NULL	NULL	NULL	NULL	NULL	NULL

Inner Join



Inner Join – Records Common to Both

St	StFCID	NYTD				AFCARS				
		OutcmRpt	OutcmDte	CurrFTE	HighEdCert	FY	LatRemDt	TotalRem	ClinDis	PhyAbuse
UT	UTCTW1D1TLXFF6R	1	2015/09/27	0	4	2011	2011/02/18	1	2	1
UT	UTC6M3VIGFPYY03	1	2015/07/24	0	1	2011	2003/03/05	1	1	1
GA	GA2SZBC3V4KKKZI	1	2015/07/21	1	1	2011	2011/04/25	1	3	1
PA	PATNWULCVN8GGKG	1	2015/03/24	0	1	2011	2007/01/11	1	1	0
MD	MDL17N2VNUV5549	1	2014/11/26	0	1	2011	2010/10/13	2	NULL	0
KS	KS0A0A0C3E3G4D	1	2015/01/27	0	4	2011	2011/01/04	2	2	0
FL	FL0I8GRFQ70WWAM	1	2015/02/13	1	1	2011	2008/01/09	2	1	0
GA	GA9R7IAX296UUU1	1	2015/02/18	0	8	2011	2001/02/28	2	1	0
FL	FLLDTSJ1GP5CCUS	1	2015/05/12	0	7	2011	2011/02/04	1	1	1
MO	MO224176579156	1	2015/05/19	0	1	2011	2006/12/06	3	3	1
OR	ORNYHUIAH9Q11T9	1	2015/09/30	0	1	2011	2010/06/22	2	3	0
KS	KSQAKD56MIV77V3	1	2015/06/11	0	1	2011	2010/06/29	1	1	0
TX	TX73YZNQGX5ZZIY	1	2015/09/01	0	1	2011	1994/10/03	1	2	0
CT	CTVSPWXW2W9HHHD	1	2015/02/17	0	1	2011	2011/03/04	1	2	1
LA	LAYADUO58K4WWER	1	2015/04/10	0	1	2011	2011/06/29	2	1	0
CA	CAQHLCO1FA455UL	1	2015/03/09	0	7	2011	2010/10/08	4	3	0
AR	AR6RQI7BV92FFMY	1	2015/04/29	1	7	2011	2011/04/29	1	NULL	0
TX	TX7UOM4IYFG11ZR	1	2015/03/19	0	1	2011	2010/07/18	1	2	0

Linking to the Child File

NYTD Outcomes

Things to Know When Linking the Child File

The NCANDS Child File can be linked to NYTD, using the variable ***AFCARSID***

Preparation will have to be done on the Child File prior to attempting to link

Think about exactly what variables you need from the CF, for what years, and how you can reduce the file to one record per child

Annual batches are determined by disposition date (DispDt), not the report date or incident date

Example of NYTD / Child File Merge

St	StFCID	NYTD				Child File				
		OutcmRpt	OutcmDte	SubAbuse	CurrenRoll	MinRptDt	MaxRptDt	RptCount	VCount	NRemoved
UT	UTCTW1D1TLXFF6R	1	2011/02/23	0	1	2003/05/19	2005/03/31	4	4	2
UT	UTC6M3VIGFPYY03	1	2011/06/01	0	1	2009/08/24	2010/02/16	4	3	2
GA	GA2SZBC3V4KKKZI	1	2011/05/06	1	1	2006/12/11	2012/04/27	4	2	4
PA	PATNWULCVN8GGKG	1	2011/05/18	1	0	2002/07/31	2004/05/23	2	-	0
MD	MDL17N2VNUV5549	1	2011/02/28	0	1	NULL	NULL	NULL	NULL	NULL
KS	KS0A0A0C3E3G4D	1	2011/09/01	0	1	2004/03/17	2008/05/24	7	2	1
FL	FL0I8GRFQ70WWAM	1	2011/09/06	0	1	2001/12/20	2010/08/06	8	3	6
GA	GA9R7IAX296UUU1	1	2011/03/30	1	1	NULL	NULL	NULL	NULL	NULL
FL	FLLDTSJ1GP5CCUS	1	2011/06/21	0	1	2009/02/05	2010/06/13	3	1	1
MO	MO224176579156	1	2011/10/04	2	2	2002/09/11	2008/05/19	4	2	4
OR	ORNYHUIAH9Q11T9	1	2011/05/16	0	1	NULL	NULL	NULL	NULL	NULL
KS	KSQAKD56MIV77V3	1	2011/09/12	0	1	2009/07/22	2009/07/22	1	1	1
TX	TX73YZNQGX5ZZIY	1	2011/04/27	1	1	2002/10/17	2008/10/12	2	1	0
CT	CTVSPWXW2W9HHHD	1	2011/06/30	0	1	2008/02/28	2008/02/28	1	-	0
LA	LAYADUO58K4WWER	1	2011/06/03	1	1	2008/03/16	2009/03/05	2	1	0
CA	CAQHLCO1FA455UL	1	2011/08/25	0	1	2009/07/29	2010/10/18	3	2	1

Questions?

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