Tracking Dose Level Eligibility In Nebraska

AIRA Webinar
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Immunization Program

NESIIS History

- Progress Chart

	May 2008	June 2009	June 2010	March 2013
Clients	223,521	661,791	808,633	1,294,526
Immunizations	1,229,112	5,424,376	6,049,403	9,489,855
Providers	45	371	547	1,154
Users	227	1,023	1,936	4,208

NESIIS History

- Fairly young system in data exchange (system launch in 2008, DX in 2010)
  - Client level eligibility
- Functional Enhancements:
  - Dose Level Eligibility (February 2011)
  - Perinatal Hep B Module (May 2012)
  - HL7 2.5.1 (February 2013)
  - SOAP Web Services (March 2013)
  - Query/Response (January 2013)
  - Deduct from Inventory (coming soon)

User Interface:

- Required field for manual entry
- Ability to set the same eligibility for each immunization provided at that visit.

User Interface:

▸ Ability to adjust/change eligibility for each dose administered before saving imms into the client record:

New Immunizations (3)					
Date Provided	03/18/2013		**Ordering Authority** Unknown ▼		
Remove	**Immunization**	**Trade Name-Lot /** **Eligibility**		**Administered By /** **Dose**	**Body Site /** **Route**
☐	HepB	▼		Unknown ▼	▼
		Underinsured ▼		Full ▼	intramuscular ▼
☐	Influenza	▼		Unknown ▼	▼
		Medicaid ▼		Full ▼	intramuscular ▼

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Additional Rules:

▸ Back-end verifications and notifications were set up to assist end users with selecting appropriate funding source.

Data Exchange

- NESIIS Help Desk works with providers/vendors to send vaccine eligibility codes via data exchange (flat and HL7)
- Some EHRs are unable to capture appropriate dose level eligibility and send nothing
- Some EHRs are unable to capture dose level eligibility and use client level eligibility for each dose administered (not ideal)
- Necessary for VFC doses administered tracking/reporting

Eligibility Rank Table:

Rank	HL7 Value	Eligibility Code Description	Ages	VFC Eligible
1 (highest)	V01	Insured, Vaccines Covered	all	Not VFC eligible – Insured
2	V04	Native American/Alaskan Native	<19 yrs	VFC eligible – American Indian/Alaskan Native
3	V02	Medicaid	<19 yrs	VFC eligible – Medicaid/Medicaid Managed Care
4	V03	Uninsured (<19yrs)	<19 yrs	VFC eligible – Uninsured
5	V05	Underinsured (<19yrs)	<19 yrs	VFC eligible – Federally Qualified Health Center Patient (under-insured)
6	NE01	SVAP	all	Not VFC eligible – State-specific eligibility 'SVAP' (Not S-Chip plan)
7	NE02	Medicare	>=19 yrs	Not VFC eligible – Local-specific eligibility 'Medicare'
8	NE03	Uninsured (Adult)	>=19 yrs	Not VFC eligible – Uninsured
9	NE04	Underinsured (Adult)	>=19 yrs	Not VFC eligible – Federally Qualified Health Center Patient (under-insured)
10	V00	Eligibility Not Known or None	all	VFC eligibility not determined/unknown

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Deduct from Inventory:

- Vaccine Eligibility code will be necessary for providers wishing to deduct doses received through DX from inventory – especially if they can't send funding source
- NESIIS uses funding source and eligibility to determine/verify appropriate lot to deduct from
- How do we "require" eligibility through DX if EHRs can't provide it?

Dose Level Eligibility Uses:

- Special projects using publicly purchased vaccines
- Vaccine accountability: with the ever-increasing levels of CDC reporting requirements it's important to be able to justify/verify vaccination administration rates by eligibility
- VFC Provider Profiles: eligibility data can be used to verify VFC vaccine order levels/needs

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IIS Reports

Vaccines for Children by Provider

For Dates Between 06/01/2012 and 12/31/2012

Report run on: 03/18/2013 03:52 PM

NDHHS Training - 13579680

	Medicaid		American Indian/ Alaskan Native		Uninsured		Underinsured		Eligibility Not Det/ Unknown		Insured, Vaccine Covered		SVAP		Medicare		Sum of Immunizations	Sum of Distinct Client
	Imms	Distinct Clients	Imms	Distinct Clients	Imms	Distinct Clients	Imms	Distinct Clients	Imms	Distinct Clients	Imms	Distinct Clients	Imms	Distinct Clients	Imms	Distinct Clients		
<1	7	2	0	0	0	0	1	1	0	0	4	2	0	0	0	0	12	5
Annualized	12	3	0	0	0	0	2	2	0	0	7	3	0	0	0	0	21	8
=1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annualized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
=2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1
Annualized	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2
3-5	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	2	2
Annualized	0	0	0	0	0	0	2	2	2	2	0	0	0	0	0	0	4	4
=6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annualized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7-10	3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	4	2
Annualized	5	2	0	0	2	2	0	0	0	0	0	0	0	0	0	0	7	4
11-12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annualized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13-18	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2	2
Annualized	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	3	3
19-24	0	0	0	0	0	0	0	0	16	16	3	1	0	0	1	1	20	18
Annualized	0	0	0	0	0	0	0	0	27	27	5	2	0	0	2	2	34	31
25-44	0	0	0	0	0	0	5	2	11	11	0	0	0	0	0	0	16	13
Annualized	0	0	0	0	0	0	9	3	19	19	0	0	0	0	0	0	28	22
45-64	0	0	0	0	0	0	0	0	31	31	4	1	0	0	0	0	35	32
Annualized	0	0	0	0	0	0	0	0	53	53	7	2	0	0	0	0	60	55
65+	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	4	4
Annualized	0	0	0	0	0	0	0	0	7	7	0	0	0	0	0	0	7	7
Total < 19	14	4	0	0	1	1	2	2	3	3	4	2	0	0	0	0	99	75
Total >= 19	0	0	0	0	0	0	5	2	62	62	7	2	0	0	1	1		
Grand Total:																		

IIS reports cont'd

Nebraska State Immunization Information System
NESIIS
Vaccine for Children (VFC) Report
All Vaccine Groups

For Dates Between 06/01/2012 and 12/31/2012

Report Run On: 3/18/13 3:54 PM

Organization: NDHHS Training   Site:

Vaccine	Funding Source	VFC Eligibility Immunization Counts				Total # of VFC Eligible Imms Administered	Non - VFC Eligibility Immunization Counts						Total # of Imms Administered
		Medicaid (V02)	American Indian/Alaskan Native (V04)	Uninsured (V03)	Underinsurred (V05)		Medicare (NE02)	SVAP (NE01)	Uninsured (Adult) (NE03)	Underinsured (Adult) (NE04)	Insured Vaccines Covered (V01)	Not Det Unknown (V00)	
DTP/aP	Public	2	0	0	0	2	0	0	0	0	0	0	2
	Private	0	0	0	0	0	0	0	0	0	0	0	0
	Total	2	0	0	0	2	0	0	0	0	0	0	2
DTP/aP-HepB-Polio	Public	1	0	0	1	2	0	0	0	0	0	0	2
	Private	0	0	0	0	0	0	0	0	0	0	0	0
	Total	1	0	0	1	2	0	0	0	0	0	0	2
DTP/aP-Hib-Polio	Public	0	0	0	0	0	0	0	0	0	0	0	0
	Private	0	0	0	0	0	0	0	0	0	2	0	2
	Total	0	0	0	0	0	0	0	0	0	2	0	2
HPV	Public	0	0	0	0	0	0	0	0	0	2	1	3
	Private	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	2	1	3
HepA	Public	1	0	0	0	1	0	0	0	2	0	0	3
	Private	0	0	0	0	0	0	0	0	0	0	0	0
	Total	1	0	0	0	1	0	0	0	2	0	0	3

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IIS Reports Cont'd

Nebraska State Immunization Information System
NESIIS
Vaccine for Children (VFC) Report
VFC Groups

For Dates Between   06/01/2012   and   12/31/2012

Report Run On: 3/18/13 3:55 PM

Organization: NDHHS Training   Site:

Vaccine	VFC Eligibility Immunization Counts				Total # of VFC Eligible Imms Administered	Total # of Non-VFC Eligible Imms Administered
	Medicaid (V02)	American Indian/Alaskan Native (V04)	Uninsured (V03)	Underinsurred (V05)		
DTP/aP	2	0	0	0	2	0
DTP/aP-HepB-Polio	1	0	0	1	2	0
DTP/aP-Hib-Polio	0	0	0	0	0	2
HPV	0	0	0	0	0	3
HepA	1	0	0	0	1	2
HepB	2	0	0	1	3	1
Hib	1	0	0	0	1	0
Influenza	3	0	0	0	3	69

IIS Ad Hoc Reports:

Challenges:

- End User training to stress the importance of capturing the appropriate eligibility at time of service
- Increased screening time to determine eligibility
- Appropriate identification prior to vaccine administration – coordination with administering nurse an data entry
- Many EHRs are not able to capture and/or send dose level eligibility
- What do you do with existing records where eligibility was captured at the client level?

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Successes from Dose Level Eligibility:

- Improved accountability
- Provides supporting data for special projects
- Provides supporting data for reporting
- Provides better VFC Profiling and educational opportunities during VFC site visits
- Improves ability to determine pockets of need and success rate of services provided
- Allows providers to run/create their own reports to monitor accountability

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