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NORTH DAKOTA IMMUNIZATION AND RYAN WHITE COLLABORATION

MAY 16, 2018

ANDY NOBLE, PHA, NORTH DAKOTA ADULT IMMUNIZATION COORDINATOR
COLLABORATION GOALS

Increase and sustain Ryan White client immunization rates at 90% for recommended vaccines.
- Hepatitis A, Hepatitis B, HPV, Influenza, MMR, Pneumococcal Conjugate, Pneumococcal Polysaccharide, Meningococcal Conjugate, Tdap

Ensure all Ryan White clients are in the NDIIS.
- February 2017: 214 Ryan White clients
  - 189 (88%) Ryan White clients were in the North Dakota Immunization Information System (NDIIS).

Incorporate immunization screening and education in the Ryan White reenrollment and recertification process.
- Include immunization recommendations and screening in the enrollment and recertification packet.
  - Reenrollment occurs annually (March)
  - Recertification occurs annually (October)

Remove financial barriers to immunization services.
- Include immunization reimbursement in Ryan White reimbursement.
RYAN WHITE IMMUNIZATION TRAINING

- Provided an immunization training to RW Case Managers and immunization coordinators prior to the enrollment cycle.
- Provided NDIIS access and training prior to the reenrollment cycle.
- Offered immunization and NDIIS training for specialty providers.
- Provided immunization resources to assist with screening and client education.
- Provided high risk immunization education for healthcare providers throughout North Dakota.
<table>
<thead>
<tr>
<th>Step</th>
<th>Task</th>
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<tbody>
<tr>
<td>Extract</td>
<td>Ryan White client data from Maven, North Dakota’s disease management system.</td>
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<tr>
<td>Match</td>
<td>Ryan White clients with North Dakota's Immunization Information System (NDIIS) participants.</td>
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<tr>
<td>Extract</td>
<td>Ryan White client immunization history and forecast routine immunizations using the NDIIS.</td>
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<tr>
<td>Apply</td>
<td>ACIP recommendations for persons living with HIV utilizing statistical analysis software.</td>
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<tr>
<td>Distribute</td>
<td>Immunization recall letters for each Ryan White client.</td>
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Immunization screening for clients during the reenrollment/recertification process.

Included age and diagnosis specific immunization recall letters in the Ryan White reenrollment and recertification packet.

Conducted webinars at 30 and 90 day intervals to provide technical assistance and client immunization rate review to case managers.

Case Managers collaborated with local immunization staff to ensure vaccine administration and reimbursement.

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March 8, 2019

Dear Ryan,

The North Dakota Department of Health (NDDoH) recommends all adults receive recommended immunizations to provide protection against vaccine preventable diseases. According to the North Dakota Immunization Information System (NDIIS), you are currently due for the immunizations outlined in the table below. Please contact your primary healthcare provider or local public health unit to make an appointment to receive the past due recommended immunizations. Be sure to bring this letter with you to your appointment.

<table>
<thead>
<tr>
<th>Recommended Immunizations</th>
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<tbody>
<tr>
<td>Hepatitis A</td>
</tr>
<tr>
<td>Hepatitis B</td>
</tr>
<tr>
<td>**Pneumovax® (PCV13) **</td>
</tr>
<tr>
<td>**Pneumovax® (PPSV23) **</td>
</tr>
<tr>
<td><em>Varicella (chickenpox)</em></td>
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* Live vaccine recommendation is based on the CD4 cell count. Please speak with your healthcare provider.

**Pneumovax® (PPSV23) is recommended to be administered 8 weeks after Pneumovax® (PCV13).

*** Allow a four-week interval between Pneumovax® (PCV13) and Meningitis® (MCV4) vaccine administration.

Also, don’t forget your annual influenza vaccine. The flu can cause mild to severe illness, and in some cases it can cause death. If you have any questions, please contact the NDDoH Immunization Program at 701.328.3366 or 800.472.2180.

Sincerely,

Wendy Howell

Molly Howell, MPH
Immunization Program Manager
RATE EVALUATION

- Evaluate immunization rates at 30, 60, and 90 day intervals to determine vaccine uptake and client immunization rates.
- Distribute case management summary sheets demonstrating site-specific immunization rates and improvement.

2017 North Dakota Ryan White Part B Immunization Rates
The Ryan White Program Part B implemented adult immunizations for Ryan White (RW) clients. RW clients received recall letters from the immunization program with vaccines recommended for persons living with HIV during the 2017 reenrollment (April) and 2017 recertification (October) cycles. Immunizations were coordinated by RW case managers with the agency Immunization staff or private providers.

Immunization rates were assessed during the 2017 reenrollment and recertification cycles. During the evaluation period, all statewide RW immunization rates improved. The greatest improvement can be seen in the meningococcal conjugate vaccine (MCV4) with an increase of 35.7% and the pneumococcal conjugate vaccine (PCV13) with an improvement of 19.8%.

2017 North Dakota Recertification Ryan White Part B Immunization Rates
North Dakota RW immunization rates are based on RW Part B Program clients that had an Immunization record in the North Dakota Immunization Information System (NDIIS). As of September 1, 2017, there were 232 RW Part B participants. 218 (86%) had a record in NDIIS.
2017 North Dakota Ryan White Client Baseline NDIIS Immunization Rates
2017 COLLABORATION RESULTS

2017 Ryan White Reenrollment/Recertification Immunization Rates
2017 Reenrollment March 1 - June 30, 2017
2017 Recertification October 1, 2017 - January 30, 2017

Immunization Rate

- TDAP: 75.1%
- PCV: 80.6%
- PPSV: 71.0%
- MCV: 48.8%
- HAV 1: 14.7%
- HAV 2: 12.9%
- HBV 1: 45.2%
- HBV 2: 35.5%
- HBV 3: 25.8%
- HPV Dose 1: 68.4%
- HPV Series Complete: 15.8%

- 2017 Baseline Reenrollment
- 2017 Recertification - 90 Day
- ND Goal
BENEFITS OF IMMUNIZATION AND RYAN WHITE COLLABORATION

Reduce susceptibility of vaccine-preventable diseases among persons living with HIV/AIDS.

Decrease medical costs related to vaccine-preventable diseases.

Increase immunization rates among individuals diagnosed with HIV through:

- Providing immunization education to Ryan White program staff.
- Provide Ryan White Program staff training and access to the North Dakota Immunization Information System (NDIIS).
- Provide client-specific immunization messaging to Ryan White Program clients.
RYAN WHITE IMMUNIZATION BARRIERS

- Adult immunizations are not required to be entered into NDIIS.
- Some clients did not have records in NDIIS.
- Infectious disease providers were not aware of NDIIS functionality.
- Some Ryan White staff did not have access to the NDIIS.
- Create high risk forecasting in SAS because NDIIS does not contain diagnosis.
- Case Managers and medical providers were not familiar with immunization recommendations for individuals diagnosed with HIV.
- Case managers did not discuss immunization recommendations with Ryan White clients.
- Providers did not have all vaccines in stock.
- Clients experienced financial barriers to immunization services.
LESSONS LEARNED

- Build partnerships with Ryan White case managers and immunization staff.
- Case managers have expressed the importance of immunizations for Ryan White clients.
- Build partnerships with local healthcare providers.
- Case managers feel the immunization screening is not too difficult and clients are responsive.

- Case management sites with the greatest rate increases:
  - Provided immunizations at the case management site.
  - Conducted client immunization follow-up.
  - Case manager conducted immunization training with healthcare providers.
Immunization reminder/recall has been expanded to an additional 325 PLWH in North Dakota.

- Develop a process to streamline matching individual NDIIS and Maven records utilizing SAS.
- Develop an immunization high risk forecaster using SAS that will apply immunizations for individuals with high risk conditions.
  - HIV
  - Hep C
  - Diabetes
  - Smoking
- Collaborate with Department of Health Programs to distribute immunization reminders where applicable i.e. Tobacco Program, Diabetes Program, etc.
QUESTIONS

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