HEDIS Influenza Compliance Trend

Information Delivery
Provider Measurement Analytics
June 2017
Contents

- CIS Influenza Information
- Influenza Vaccination Information
- Commercial Influenza Compliance Trend by Birth Month
- Medicaid Influenza Compliance Trend by Birth Month
- Geospatial Trends
- Next Steps
CIS Influenza Information

+ CIS-Influenza HEDIS Description
  • Two influenza vaccinations, with different dates of service on or before the child’s second birthday. Do not count any vaccination administered prior to six months after birth.

+ Enclosed HEDIS data is from the final annual HEDIS data for each year, 2015 and 2016
Influenza Vaccination Information

- Northern hemisphere influenza season and vaccine availability follow own unique season
  - July-June each year
    - 2015-2016 Influenza Season is July 2015-June 2016

- All seasonal influenza vaccine expires each year on June 30 if not earlier due to the type of vaccine
  - Nasal spray/LAIV-typically has a shelf life of about 6 weeks

- Early seasonal influenza vaccine shipments arrive in late July with the majority of vaccine doses being delivered in September-October

- Most seasonal vaccination takes place September-January

- Providers typically will not reorder vaccine once their supply is exhausted in late winter/early spring
Seasonal Influenza Vaccination Trend

Total Influenza Vaccine Doses Administered per Month by IPN* and Non-IPN Providers in Medical Claims
Medicaid Compliance by Birth Month

Medicaid Compliance Rate for CIS Influenza by Birth Month

[Bar chart showing Medicaid compliance rate by birth month from January 2015 to December 2016. The chart illustrates the number of non-compliant and compliant cases, with a trend line showing the compliance rate.]
Compliance by Birth Month by Year and Line of Business

CIS Influenza Compliance Rate by Birth Month, Line of Business and HEDIS Year

- COMMERCIAL - 2015
- COMMERCIAL - 2016
- MEDICAID - 2015
- MEDICAID - 2016
Possible Barriers to Influenza Vaccination

- Are we receiving all immunization data for our membership?
- Is vaccine being offered at every opportunity in the provider office?
- Provider out of influenza vaccine
- Influenza vaccination not required for daycare
- Misinformation about vaccination
- Influenza vaccine availability may not coincide with routine childhood immunization schedule
  - Child may not visit PCP between 6 months and 1 year vaccination visit when influenza vaccine is available
## Birth Month to Vaccination Window Comparison

<table>
<thead>
<tr>
<th>Birth Month</th>
<th>Eligible for First Dose</th>
<th>Month before 1st Birthday</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>July</td>
<td>December</td>
</tr>
<tr>
<td>February</td>
<td>August</td>
<td>January</td>
</tr>
<tr>
<td>March</td>
<td>September</td>
<td>February</td>
</tr>
<tr>
<td>April</td>
<td>October</td>
<td>March</td>
</tr>
<tr>
<td>May</td>
<td>November</td>
<td>April</td>
</tr>
<tr>
<td>June</td>
<td>December</td>
<td>May</td>
</tr>
<tr>
<td>July</td>
<td>January</td>
<td>June</td>
</tr>
<tr>
<td>August</td>
<td>February</td>
<td>July</td>
</tr>
<tr>
<td>September</td>
<td>March</td>
<td>August</td>
</tr>
<tr>
<td>October</td>
<td>April</td>
<td>September</td>
</tr>
<tr>
<td>November</td>
<td>May</td>
<td>October</td>
</tr>
<tr>
<td>December</td>
<td>June</td>
<td>November</td>
</tr>
</tbody>
</table>
Geospatial Trends

- All members were mapped by their respective line of business
- Hot Spot Analysis (Getis-Ord Gi*) was conducted to identify any areas where clustering was occurring
  - A statistically significant hot spot will have a high value and be surrounded by other features with high values as well
    - Intense clustering of high values, compliant members, will result in a hot spot.
    - Intense clustering of low values, noncompliant members, will result in a cold spot.
Cold Spots are areas with high rates of noncompliance
Hot Spots are areas with high rates of compliance
2016 Commercial – CIS Influenza Spatial Clusters

*Cold Spots are areas with high rates of noncompliance
Hot Spots are areas with high rates of compliance
2015 - 2016 Commercial – CIS Influenza Spatial Clusters

Cold Spots are areas with high rates of noncompliance
Hot Spots are areas with high rates of compliance
*Cold Spots are areas with high rates of noncompliance
Hot Spots are areas with high rates of compliance
2016 Medicaid – CIS Influenza Spatial Clusters

*Cold Spots are areas with high rates of noncompliance
Hot Spots are areas with high rates of compliance
2015 - 2016 Medicaid – CIS Influenza Spatial Clusters

*Cold Spots are areas with high rates of noncompliance
Hot Spots are areas with high rates of compliance
Cold Spots are areas with high rates of noncompliance
Hot Spots are areas with high rates of compliance
Next Steps

- Intense targeted outreach for members born in September and October stressing importance of seasonal influenza vaccination
- Targeted outreach to members born in August, November and December stressing importance of seasonal influenza vaccination
- Increase communication and share this information with providers to allow them to make changes in their offices
- Target areas with low compliance and identify barriers in those areas