

# Miawpukek First Nation - Electronic Data Use

Goal: Improve diabetes care by using electronic data during direct patient encounters

## CYCLE 1

<p><b>PLAN</b></p>		<p><b>Understanding the FNDSS</b></p> <ul style="list-style-type: none"> <li>To become familiar with the FNDSS, the NP would run a test encounter focusing on medication information</li> </ul>
<p><b>DO</b></p>	<p>What are we trying to accomplish?</p>	<p><b>Testing the System:</b></p> <ul style="list-style-type: none"> <li>The NP ran a test encounter using the LPN as the patient</li> </ul>
<p><b>STUDY</b></p>	<p>How will we know that a change is an improvement?</p>	<p><b>What was Learned?</b></p> <ul style="list-style-type: none"> <li>The NP found that some of the medications entered into the FNDSS were not displayed in the system-generated reports</li> </ul>
<p><b>ACT</b></p>	<p>What small changes can we make that will result in improvement?</p>	<ul style="list-style-type: none"> <li>The LPN contacted the Western team to inform them that the medications were not displaying properly</li> <li>The Western team worked to fix the issue</li> </ul>

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## CYCLE 2

<b>PLAN</b>		<b>After fixing the issue</b> <ul style="list-style-type: none"><li>• The NP planned a second test encounter with the LPN</li><li>• The LPN will be asked about their experience as a test patient</li></ul>
<b>DO</b>	What are we trying to accomplish?	<b>The second test encounter was held as planned</b>
<b>STUDY</b>	How will we know that a change is an improvement?	<b>The test encounter went better</b> <ul style="list-style-type: none"><li>• The medications were displayed properly</li><li>• The NP gained experience and familiarity with the FNDSS</li></ul>
<b>ACT</b>	What small changes can we make that will result in improvement?	<b>Expanding the use of the system</b> <ul style="list-style-type: none"><li>• The NP will arrange an encounter with a patient</li></ul>

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## CYCLE 3

<b>PLAN</b>		A date was set for the first patient encounter using the FNDSS
<b>DO</b>	What are we trying to accomplish?	Due to a change in schedule, the NP was not available during the scheduled patient encounter
<b>STUDY</b>	How will we know that a change is an improvement?	
<b>ACT</b>	What small changes can we make that will result in improvement?	The patient encounter will be booked when the NP will be scheduled to work

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## CYCLE 4

<p><b>PLAN</b></p>	<p>What are we trying to accomplish?</p>	<p>A new date was set for the first patient encounter using the FNDSS</p>
<p><b>DO</b></p>		<p>The rescheduled patient encounter was held</p>
<p><b>STUDY</b></p>	<p>How will we know that a change is an improvement?</p>	<p>What the team found</p> <ul style="list-style-type: none"> <li>• Patient liked the graphs and icons indicating where tests were due</li> <li>• Prompted the need to make referrals for follow up in gap areas</li> <li>• Patient requested eGFR graph to see kidney function</li> </ul>
<p><b>ACT</b></p>	<p>What small changes can we make that will result in improvement?</p>	<ul style="list-style-type: none"> <li>• LPN will use the FNDSS in encounters with more patients</li> <li>• LPN also will follow up with the Western team to include kidney function graphs</li> </ul>

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## CYCLE 5

<p><b>PLAN</b></p>	<p>What are we trying to accomplish?</p>	<p><b>Scaling up</b></p> <ul style="list-style-type: none"> <li>The NP will use FNDSS during encounters with 2 new patients</li> </ul>
<p><b>DO</b></p>		<p><b>The encounters with both patients were held as scheduled</b></p>
<p><b>STUDY</b></p>	<p>How will we know that a change is an improvement?</p>	<p><b>What the team found</b></p> <ul style="list-style-type: none"> <li>Patients liked the graphs</li> <li>NP found the system easy to navigate</li> <li>System identified overdue screening tests for patients</li> </ul>
<p><b>ACT</b></p>	<p>What small changes can we make that will result in improvement?</p>	<p><b>Improvements to patient care</b></p> <ul style="list-style-type: none"> <li>LPN will make referrals to the foot care clinic and provide patients with lab requisition forms for blood work</li> <li>LPN will continue to add 2 patients to biweekly chronic disease clinic to be seen by NP using FNDSS</li> </ul>