New Jersey’s Surface Water Quality Standards (SWQS) establish the designated uses of the State’s surface waters, classify surface waters based on those uses, and specify the water quality criteria and other policies necessary to attain those uses. Designated uses include water supply for drinking, agriculture and industrial uses, fish consumption, shellfish resources, propagation of fish and wildlife, and recreation.

The table below shows the designated use information for your municipality. For more information on Surface Water Quality, see the Healthy Community Planning Report for this municipality.

<table>
<thead>
<tr>
<th>AU_name</th>
<th>Aquatic_General</th>
<th>Aquatic_Trout</th>
<th>Water_Supply</th>
<th>Recreation</th>
<th>Shellfish</th>
<th>Fish_Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yards Creek</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>Insufficient Data</td>
<td>Insufficient Data</td>
<td>NA</td>
<td>Non Attaining</td>
</tr>
<tr>
<td>Stony Brook (incl UDRV)</td>
<td>Attaining</td>
<td>Insufficient Data</td>
<td>Insufficient Data</td>
<td>Insufficient Data</td>
<td>NA</td>
<td>Insufficient Data</td>
</tr>
<tr>
<td>Delawanna Creek (incl UDRV)</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>Insufficient Data</td>
<td>NA</td>
<td>Non Attaining</td>
</tr>
<tr>
<td>Honey Run</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>Attaining</td>
<td>Non Attaining</td>
<td>NA</td>
<td>Insufficient Data</td>
</tr>
<tr>
<td>Beaver Brook (below Hope Village)</td>
<td>Attaining</td>
<td>NA</td>
<td>Attaining</td>
<td>Insufficient Data</td>
<td>NA</td>
<td>Insufficient Data</td>
</tr>
<tr>
<td>Paulins Kill (below Blairstown gage)</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>Attaining</td>
<td>Attaining</td>
<td>NA</td>
<td>Non Attaining</td>
</tr>
<tr>
<td>Delaware River 1D</td>
<td>Non Attaining</td>
<td>NA</td>
<td>Attaining</td>
<td>Attaining</td>
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### Traffic

#### KNOWLTON TWP

<table>
<thead>
<tr>
<th>Daily Traffic Volume</th>
<th>Receptors</th>
<th>Count</th>
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</thead>
<tbody>
<tr>
<td>25,000 - 50,000</td>
<td>Childcare</td>
<td>0</td>
</tr>
<tr>
<td>50,001 - 75,000</td>
<td>School</td>
<td>0</td>
</tr>
<tr>
<td>75,001 - 100,000</td>
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<td></td>
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<tr>
<td>100,001 - 125,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>125,000+</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### WARREN

- Population: 319

**Legend**

- Counties
- KNOWLTON TWP
- 1000 ft. Road Buffer

**Legend Colors**

- Yellow: 25,000 - 50,000
- Green: 50,001 - 75,000
- Dark Green: 75,001 - 100,000
- Blue: 100,001 - 125,000
- Purple: 125,000+

**Date:** 4/19/2022
Low Birth Weight

State Comparison

Legend
- Municipalities
- Knowlton Twp

State Comparison

Birth Rate
Low Birth Weight
(% All Births < 5 lb, 8 oz)
2016 to 2020

Date: 4/15/2022

Above
Below
No Difference
Suppressed

Knowlton Twp

Warren

Date: 4/15/2022
### Asthma (Emergency Department)

#### Warren

<table>
<thead>
<tr>
<th>Date: 4/12/2022</th>
<th>Mileage: 0-4</th>
</tr>
</thead>
</table>

#### State Comparison

**Legend**
- Municipalities
- Knowlton Twp

**Above**
- Knowlton Twp

**Below**
- No Difference

**Suppressed**
- Municipality

<table>
<thead>
<tr>
<th>Municipality</th>
<th>Age-adjusted Rate per 10,000 People</th>
<th>State Comparison</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warren</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Knowlton Twp</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Emergency Department Visits for Asthma**
- 2016 to 2019

**Dates:**
- 04/12/2022

**Legend:**
- Municipalities
- Knowlton Twp

**State Comparison:**
- Above
- Below
- No Difference
- Suppressed
Heart Attack (AMI) (Inpatient)

Legend
- Municipalities
- Knowlton Twp

State Comparison
- Above
- Below
- No Difference
- Suppressed

Municipalities
- Knowlton Twp
- Allamuchy Twp
- Blairstown Twp
- Franklin Twp
- Greenwich Twp
- Harmony Twp
- Hardwick Twp
- Independence Twp
- Lawrence Twp
- Lopatcong Twp
- Mays Landing Twp
- Mansfield Twp
- New Egypt Twp
- Northfield Township
- Pohatcong Twp
- Pocono Township
- Pooka Township
- Princeton Twp
- Reading Twp
- Washington Twp
- Westfield Twp
- Woodbridge Twp

State Comparison
- Age-adjusted Rate per 10,000 People
- 2016 to 2019
- Inpatient Visits for AMI (Acute Myocardial Infarction)

Date: 4/11/2022

Legend
- Above
- Below
- No Difference
- Suppressed

Date: 4/11/2022

Miles
0 1.75 3.5

Knowlton Twp

Warren
Heart Disease Deaths

State Comparison

Legend
- Municipalities
- Knowlton Twp

State Comparison

Age-adjusted Death Rate per 100,000 People
2015 to 2019
Deaths for Heart Disease

Date: 4/16/2022

Miles

Above
Below
No Difference
Suppressed
COPD (Emergency Department)

State Comparison

<table>
<thead>
<tr>
<th>Municipality</th>
<th>Below</th>
<th>Above</th>
<th>No Difference</th>
<th>Suppressed</th>
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</thead>
<tbody>
<tr>
<td>FRELINGHUYSEN TWP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OXFORD TWP</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>INDEPENDENCE TWP</td>
<td></td>
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</tr>
<tr>
<td>HARMONY TWP</td>
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<td></td>
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<td></td>
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<tr>
<td>POHATCONG TWP</td>
<td></td>
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</tr>
<tr>
<td>WASHINGTON TWP</td>
<td></td>
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</tr>
<tr>
<td>WHITE TWP</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>MANSFIELD TWP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOPATCONG TWP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GREENWICH TWP</td>
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</tr>
<tr>
<td>HARMONY TWP</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>BLAIRSTOWN TWP</td>
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</tr>
<tr>
<td>KNOWLTON TWP</td>
<td></td>
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</tr>
<tr>
<td>HOPE TWP</td>
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<td>INDEPENDENCE TWP</td>
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<tr>
<td>ALLAMUCHY TWP</td>
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<tr>
<td>MANSFIELD TWP</td>
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<td>LOPATCONG TWP</td>
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<tr>
<td>GREENWICH TWP</td>
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</tr>
<tr>
<td>FRANKLIN TWP</td>
<td></td>
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</tr>
<tr>
<td>NOT AVAILABLE</td>
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</tbody>
</table>

Legend

- Municipalities
- Knowlton Twp

Age-adjusted Rate per 10,000 People
2016 to 2019
Emergency Department Visits for COPD

Date: 4/12/2022

0 2 4
Miles

Suppressed
Stroke (Inpatient)

**State Comparison**

- **Municipalities**
- **Above**
- **Below**
- **No Difference**
- **Suppressed**

**Legend**

- Known Township (Knowlton Twp)

**Warren**

Age-adjusted Rate per 10,000 People 2016 to 2019 Inpatient Visits for Stroke

Date: 4/14/2022

0 2 4 Miles

**Known Township (Knowlton Twp)**

- FRELINGHUYSEN TWP
- OXFORD TWP
- INDEPENDENCE TWP
- HARMONY TWP
- POHATCONG TWP
- WASHINGTON TWP
- FRANKLIN TWP
- HARDWICK TWP
- BLAIRSTOWN TWP
- KNOWLTON TWP
- WHITE TWP
- HARMONY TWP
- LOPATCONG TWP
- GREENWICH TWP
- HOPE TWP
- MANSFIELD TWP
- INDEPENDENCE TWP
All Cancer Deaths

Knowlton Twp

Legend
- Municipalities
- Knowlton Twp

State Comparison
- Above
- Below
- No Difference
- Suppressed

Warren

Age-adjusted Death Rate per 100,000 People 2015 to 2019
Deaths for Cancer

Date: 4/17/2022

Miles

Municipalities
- Knowlton Twp
- Blairstown Twp
- White Twp
- Lopatcong Twp
- Greenwich Twp
- Pohatcong Twp
- Harmony Twp
- Franklin Twp
- Oxford Twp
- Mansfield Twp
- Washington Twp
- Frelighuysen Twp
- Independence Twp
- Liberty Twp
- Hope Twp
- Allamuchy Twp
- Greenwich Twp
- Liberty Twp
- Hope Twp
- Allamuchy Twp
Lung Cancer Deaths

State Comparison

Legend
- Municipalities
- Knowlton Twp

Knowlton Twp

Warren

Age-adjusted Death Rate per 100,000 People
2015 to 2019
Deaths for Lung Cancer

Date: 4/17/2022

Deaths for Lung Cancer

Legend
- Above
- Below
- No Difference
- Suppressed

Miles
Smoking Rate Per Municipal % of Adults 2018

Legend
- Municipalities
- Knowlton Twp

State Comparison
- Above
- Below
- No Difference
- Suppressed

Date: 4/13/2022

Miles

Knowlton Twp
- FRELINGHYUSEN TWP
- OXFORD TWP
- INDEPENDENCE TWP
- HARMONY TWP
- POHATCONG TWP
- GREENWICH TWP
- HOPATCONG TWP

Warren
- ALLAMUCHY TWP
- BLAIRSTOWN TWP
- WHITE TWP
- HOPE TWP
- LIBERTY TWP
- MANSFIELD TWP
- HARTWICK TWP
- SOUTHWARK TWP
- WASHINGTON TWP

Smoking Rate

<table>
<thead>
<tr>
<th>Municipality</th>
<th>2018</th>
<th>Above</th>
<th>Below</th>
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<tbody>
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<td>NEWFIELD TWP</td>
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</tr>
<tr>
<td>PLUCK运行 TWP</td>
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<td>PURDUE TWP</td>
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<td>WASHINGTON TWP</td>
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<td>WOODRIDGE TWP</td>
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<tr>
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<td>WOODRIDGE VILLAGE</td>
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</tbody>
</table>

Date: 4/13/2022
Heat Related Illness (Emergency Department)

**Knowlton Twp**

**State Comparison**

Legend
- Municipalities
- Knowlton Twp

- Above
- Below
- No Difference
- Suppressed

**Warren**

Age-adjusted Rate per 10,000 People 2016 to 2019
Emergency Department Visits for Heat Related Illness

Date: 4/14/2022

Miles

Knowlton Twp

- Municipalities
- Knowlton Twp

Above
Below
No Difference
Suppressed

- Municipalities
- Knowlton Twp

Above
Below
No Difference
Suppressed

- Municipalities
- Knowlton Twp

Above
Below
No Difference
Suppressed