Air Cancer Risk

Legend
- Counties
- UNION TWP

<table>
<thead>
<tr>
<th>Risk per Million</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>61 - 87</td>
<td>Yellow</td>
</tr>
<tr>
<td>88 - 108</td>
<td>Green</td>
</tr>
<tr>
<td>109 - 127</td>
<td>Dark Green</td>
</tr>
<tr>
<td>128 - 145</td>
<td>Dark Blue</td>
</tr>
<tr>
<td>146 - 167</td>
<td>Dark Green</td>
</tr>
<tr>
<td>168 - 193</td>
<td>Dark Blue</td>
</tr>
<tr>
<td>194 - 243</td>
<td>Dark Blue</td>
</tr>
<tr>
<td>244 - 283</td>
<td>Deep Blue</td>
</tr>
<tr>
<td>284 - 351</td>
<td>Blue</td>
</tr>
<tr>
<td>352 - 604</td>
<td>Deep Blue</td>
</tr>
</tbody>
</table>

Date: 4/11/2022

0 1.75 3.5 Miles

UNION TWP

HUNTERDON

Counties

Date: 4/11/2022

0 1.75 3.5 Miles
Air Non Cancer

Legend

<table>
<thead>
<tr>
<th>Hazard Index</th>
<th>Color</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>0.75 - 1.00</td>
<td>Yellow</td>
<td>0</td>
</tr>
<tr>
<td>1.01 - 2.00</td>
<td>Green</td>
<td>1</td>
</tr>
<tr>
<td>2.01 - 3.00</td>
<td>Light Green</td>
<td>2</td>
</tr>
<tr>
<td>3.01 - 4.00</td>
<td>Blue</td>
<td>3</td>
</tr>
<tr>
<td>4.01 - 8.09</td>
<td>Dark Blue</td>
<td>4</td>
</tr>
</tbody>
</table>

Counties

UNION TWP
- KINGWOOD TWP
- ALEXANDRIA TWP
- HOLLAND TWP
- BETHLEHEM TWP
- UNION TWP
- FRANKLIN TWP
- LEVANA TWP
- RARITAN TWP
- WEST AMWELL TWP

HUNTERDON
- MONTGOMERY TWP
- OXFORD TWP
- TEWKSBURY TWP
- HARMONY TWP
- POHATCONG TWP
- HUDSON TWP
- BRIDGEWATER TWP
- CHESTER TWP
- MANSFIELD TWP
- HILLSBOROUGH TWP
- BRANCHBURG TWP
- PRINCETON

Date: 4/11/2022

Combined Hazard Index:
- 0.75 - 1.00
- 1.01 - 2.00
- 2.01 - 3.00
- 3.01 - 4.00
- 4.01 - 8.09

Miles

0 1.75 3.5
<table>
<thead>
<tr>
<th>Municipality</th>
<th>Impaired (Percent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNION TWP</td>
<td></td>
</tr>
<tr>
<td>HUNTERDON</td>
<td></td>
</tr>
<tr>
<td>Counties</td>
<td></td>
</tr>
<tr>
<td>Municipalities</td>
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Legend:
- Counties
- Municipalities
- UNION TWP

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<tr>
<th>Impaired (Percent)</th>
<th>0</th>
<th>1.5</th>
<th>20</th>
<th>25</th>
<th>33.</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>66.</th>
<th>75</th>
<th>80</th>
<th>100</th>
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<td>33.</td>
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<td>66.</td>
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<tr>
<td>100</td>
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<td></td>
<td></td>
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</tr>
</tbody>
</table>

Date: 4/14/2022
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 show 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>Hakihokake Creek</td>
<td>Attaining</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>NA</td>
<td>Insufficient Data</td>
</tr>
<tr>
<td>Mulrockaway Creek</td>
<td>Attaining</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>NA</td>
<td>Insufficient Data</td>
</tr>
<tr>
<td>Hanlan R SB (River Rd to Spruce Hun)</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>Attaining</td>
<td>Attaining</td>
<td>NA</td>
<td>Insufficient Data</td>
</tr>
<tr>
<td>Nishisakawick Creek (above 40d 33m)</td>
<td>Attaining</td>
<td>NA</td>
<td>Attaining</td>
<td>Attaining</td>
<td>NA</td>
<td>Insufficient Data</td>
</tr>
<tr>
<td>Spruce Hun (Reservior to Glen Gardner)</td>
<td>Attaining</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>NA</td>
<td>Insufficient Data</td>
</tr>
<tr>
<td>Cakepoulin Creek</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>Spruce Run Reservoir / Willoughby Brook</td>
<td>Non Attaining</td>
<td>Non Attaining</td>
<td>Attaining</td>
<td>Insufficient Data</td>
<td>NA</td>
<td>Non Attaining</td>
</tr>
<tr>
<td>Harhokake Creek (and to Hakihokake Ck)</td>
<td>Non Attaining</td>
<td>Attaining</td>
<td>Attaining</td>
<td>Non Attaining</td>
<td>NA</td>
<td>Insufficient Data</td>
</tr>
</tbody>
</table>
Flooding (Urban Land Cover)

Legend

- Counties
- Urban Land
- Urban Land Flooded
- Toll Road
- Interstate
- US Highway
- State Highway
- Impacted Roads

Municipalities

UNION TWP

FRANKLIN TWP

ALEXANDRIA TWP

LEBANON TWP

GLEN GARDNER BORO

CLINTON TWP

BETHLEHEM TWP

Date: 4/13/2022

Impacted roads show only county level or higher routes in flooding areas.

0.4

Miles

0.8

Spruce Run Reservoir

UNION TWP

UNION TWP

Impacted roads show only county level or higher routes in flooding areas.
### Air Permit Sources

<table>
<thead>
<tr>
<th>Facility Type</th>
<th>Major</th>
<th>Minor</th>
</tr>
</thead>
</table>

### Counties
- Franklin Twp
- Alexandria Twp
- Lebanon Twp
- Franklin Twp
- Clinton Twp
- Bethlehem Twp
- Union Twp

### Maps
- Hunterdon
- Union Twp

### Legend
- Counties
- Union Twp

### Date
- 4/12/2022
Scrap Metal Facilities

Legend

<table>
<thead>
<tr>
<th>Sites Per Square Mile</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 0.29</td>
</tr>
<tr>
<td>0.30 - 1.1</td>
</tr>
<tr>
<td>1.2 - 2.2</td>
</tr>
</tbody>
</table>

Municipalities

UNION TWP

Scrap Metal Processing Sites per Sq Mile 2022

Date: 4/19/2022

0 0.4 0.8

Miles

UNION TWP

Legend

- Municipalities
- UNION TWP
- Scrap Metal Facility

Sites Per Square Mile

- 0 - 0.29
- 0.30 - 1.1
- 1.2 - 2.2
- 2.3 - 4.4
- 4.5 - 8.3
Open Space

Legend

- Open Space
- Counties
- Residential Population
- > 1/4 Mile from Open Space

Date: 4/12/2022

UNION TWP

ALEXANDRIA TWP

FRANKLIN TWP

LEBANON TWP

CLINTON TOWN

CLINTON TWP

BETHLEHEM TWP

UNION TWP

Legend

Open Space

Counties

Residential Population

> 1/4 Mile from Open Space
Low Birth Weight

State Comparison

Legend
- Municipalities
- Union Twp
- Above
- Below
- No Difference
- Suppressed

Union Twp

- TEWKSBURY TWP
- HIGH BRIDGE BORO
- KINGWOOD TWP
- ALEXANDRIA TWP
- UNION TWP
- BETHLEHEM TWP
- LEBANON TWP
- HOLLAND TWP
- ALEXANDRIA TWP
- EUKON TWP
- RARITAN TWP
- EAST AMWELL TWP
- WEST AMWELL TWP
- UNION TWP

Hunterdon

- Birth Rate
- Low Birth Weight
- (% All Births < 5 lb, 8 oz)
- 2016 to 2020
- Date: 4/16/2022
- 0
- 1.75
- 3.5

Legend
- Municipalities
- Union Twp

Above
Below
No Difference
Suppressed

Map showing Municipalities and Union Twp in Hunterdon.
Asthma (Emergency Department)

State Comparison

Legend
- Municipalities
- Union Twp

- Above
- Below
- No Difference
- Suppressed

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

Date: 4/12/2022

State Comparison

<table>
<thead>
<tr>
<th>Hunterdon</th>
<th>Union Twp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age-adjusted Rate per 10,000 People 2016 to 2019</td>
<td></td>
</tr>
<tr>
<td>Emergency Department Visits for Asthma</td>
<td></td>
</tr>
<tr>
<td>Date: 4/12/2022</td>
<td></td>
</tr>
</tbody>
</table>

Legend
- Municipalities
- Union Twp

Above
Below
No Difference
Suppressed

Miles
0 1.75 3.5

Legend
- Municipalities
- Union Twp
Heart Attack (AMI) (Inpatient)

State Comparison

Legend

- Municipalities
- Union Twp

Above
Below
No Difference
Suppressed

Union Twp

Hunterdon

Date: 4/12/2022

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

Legend

Above
Below
No Difference
Suppressed

Date: 4/12/2022

Miles

0 1.5 3

Heart Attack (AMI) (Inpatient)
COPD (Emergency Department)

**State Comparison**

<table>
<thead>
<tr>
<th>Municipalities</th>
<th>Above</th>
<th>Below</th>
<th>No Difference</th>
<th>Suppressed</th>
</tr>
</thead>
</table>

**Legend**

- Municipalities
- Union Twp

**State Comparison**

- Age-adjusted Rate per 10,000 People
- 2016 to 2019
- Emergency Department Visits for COPD
- Date: 4/13/2022
- Distance: 0 to 3.5 miles

**Map**

- Hunterdon County
- Municipalities: Union Twp, Hunterdon Twp, and others
- Map showing the distribution of COPD visits across different towns.
<table>
<thead>
<tr>
<th>Union Twp</th>
<th>Hunterdon</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Legend</strong></td>
<td><strong>State Comparison</strong></td>
</tr>
<tr>
<td>Municipalities</td>
<td>Age-adjusted Rate</td>
</tr>
<tr>
<td></td>
<td>per 10,000 People</td>
</tr>
<tr>
<td></td>
<td>2016 to 2019</td>
</tr>
<tr>
<td></td>
<td>Inpatient Visits</td>
</tr>
<tr>
<td></td>
<td>for Stroke</td>
</tr>
<tr>
<td></td>
<td>Date: 4/15/2022</td>
</tr>
<tr>
<td>Union Twp</td>
<td>0</td>
</tr>
<tr>
<td>Above</td>
<td>1.75</td>
</tr>
<tr>
<td>Below</td>
<td>3.5</td>
</tr>
<tr>
<td>No Difference</td>
<td>Suppressed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Municipalities</th>
<th>Above</th>
<th>Below</th>
<th>No Difference</th>
<th>Suppressed</th>
<th>Legend</th>
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</thead>
<tbody>
<tr>
<td>TEWKSBURY TWP</td>
<td></td>
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<tr>
<td>HIGH BRIDGE BORO</td>
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<tr>
<td>UNION TWP</td>
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<td>UNION TWP</td>
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<tr>
<td>BETHLEHEM TWP</td>
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<td>ALEXANDRIA TWP</td>
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<td>LEBANON TWP</td>
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<td>DELAWARE TWP</td>
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<td>HOLLAND TWP</td>
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</tbody>
</table>

**Note:** Age-adjusted Rate per 10,000 People 2016 to 2019 Inpatient Visits for Stroke.
All Cancer Deaths

State Comparison

Legend
- Municipalities
- Union Twp

State Comparison

Hunterdon

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

Date: 4/17/2022

0 1.75 3.5
Miles

No Difference

Above

Below

No Difference

Suppressed
Lung Cancer Deaths

State Comparison

Legend
- Municipalities
- Union Twp

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

City Comparison

- Above
- Below
- No Difference
- Suppressed

Date: 4/17/2022

Miles

0 1.75 3.5
Heat Related Illness (Emergency Department)

**State Comparison**
- **Above**
- **Below**
- **No Difference**
- **Suppressed**

**Legend**
- Municipalities
- Union Twp

**Hunterdon**
- Age-adjusted Rate per 10,000 People 2016 to 2019
- Emergency Department Visits for Heat Related Illness
- Date: 4/14/2022
- No Difference
- Above
- Below
- Suppressed

**Union Twp**
- Municipalities
- Union Twp