

Your Work, Your Community

*Workshop Companion Form*

# Section 1: Climate Change and Health 101

**What are some key climate effects our community/region is experiencing?**

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**Who is or should be involved in our community’s climate and health adaptation efforts? What kind of climate change planning work are they already conducting?**

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**How does your tribe manage and support community health?**

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**Does your tribe include climate projections in its health, hazard, emergency, drought, flood or other planning processes to predict future risk? (Check one)**

\_\_\_ Yes

\_\_\_ No (only historical data and trends)

\_\_\_ I don’t know

**Write down the names of local agencies or professionals that you know that serve your tribe in the capacities listed below:**

* Tribal Colleges \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Tribal EpiCenters \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Federal Agencies/Indian Health Service Centers \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Tribal Government/Health Department \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Community Organizations \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Local/State Health Department \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Private Health Industry \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Emergency Management/Disaster Response\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Section 2: Changing Climate Exposures and Impacts

**Circle the climate exposures that should be assessed by your community**

Temperature Extremes

Drought

Storms and Flooding

Melting Ice & Sea-level Rise

Wildfire

Worsened Air Quality

Vector Changes

Water Insecurity

Food Insecurity

**What are some of the health impacts your community should assess?**

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**What are some of other impacts your community should assess?**

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**What sources of data/knowledge do you have access to assess these impacts?**

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# Section 3: Assessing Health Vulnerabilities: Vulnerability Assessment

**Who should be on your climate and health adaptation planning committee?**

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**What approaches do you think your tribe should pursue for its vulnerability assessment? (Circle selections)**

Top down, bottom up, or both

Comprehensive or topical (which topics\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

Individual or collaborative (which other tribes\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

**What do you think are the key community assets your tribe will want to protect from the impacts of climate change? (Circle top 3)**

Physical wellness of residents/visitors, especially the most vulnerable

Mental and emotional wellness of residents

Nutritional abundance

Cultural sites

Community cohesion

Ceremonies and traditions

Tribal sovereignty and self determination

Traditional knowledges and practices

Educational opportunities

Economic opportunities

Wildlife

Plants, trees and forests

Habitats and ecosystems

Water resources

Air

Businesses

Homes

Agriculture

Government facilities

Others\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**How can you effectively engage community members in the climate and health adaptation process?**

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**What strengths or adaptive capacities can your tribe build upon to increase climate and health resilience?**

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**What do you need to secure before you can conduct a vulnerability assessment (e.g. funding, council direction, partners, etc)?**

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# Section 4: Addressing Health Vulnerabilities: Adaptation Planning

**What are some of the health adaptation strategies your tribe has already implemented?**

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**What are some of the health adaptation strategies your tribe should consider?**

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**What health systems or assets are essential and should be resilient to protect the health of your tribe?**

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**Based on your existing knowledge, how resilient are the following systems or assets for your tribe?**

|  |  |  |  |
| --- | --- | --- | --- |
| **System** | **High** | **Medium** | **Low** |
| Energy infrastructure |  |  |  |
| Health care facilities |  |  |  |
| Emergency centers |  |  |  |
| Water systems |  |  |  |
| Wastewater systems |  |  |  |

**What community partners have knowledge, expertise, and resources that can help make your adaptation plan strategies more viable?**

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# Section 5:

**What agency within your community should have long term responsibility for coordinating the implementation and evaluation of the adaptation plan?**

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**What other health, emergency, environmental or other planning processes in your community might be developed, updated, or enhanced with the information developed in the climate change adaptation plan?**

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**What are some key indicators that you want to be sure to track regularly after the adaptation plan is complete?**

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**How often do you think your community should update your Adaptation Plan?** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Your Exposures Exercise

This exercise is an abbreviated version of the Exposure Evaluation functionality in the EISI Tool. To rank your impact vulnerability level, you will collect and assess the following data.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Exposure** | **Indicator** | **Data Source** | **Historical Data** | **Baseline****Data** | **Projected Data** | **Exposure Risk Level****(High, Medium, or Low)** |
| Drought | Days of no precipitation/Dry days (County) | [Climate Explorer](https://crt-climate-explorer.nemac.org/) |  |  |  |  |
| Storms & Flooding | Change in total annual precipitation falling in the heaviest 1% of events (Region) | [USGCRP - Indicators](https://www.globalchange.gov/browse/indicators/heavy-precipitation) |  |  |  |  |
| Wildfire | Wildfire Hazard Potential | [USDA](https://www.firelab.org/project/wildfire-hazard-potential) |  |  |  |  |
| Temperature Extremes | Extreme heat events (County) | [Temperate](https://temperate.io/) |  |  |  |  |
| Worsened Air Quality | Ozone - Days above regulatory standard (County) | [CDC - NEPHT](https://ephtracking.cdc.gov/InfoByLocation/) |  |  |  |  |
| Water Insecurity | Water pathogens - Nitrates in Community Water Systems (County) | [CDC - NEPHT](https://ephtracking.cdc.gov/InfoByLocation/) |  |  |  |  |

# Your Health Impacts Exercise

This exercise is an abbreviated version of the Impact Evaluation functionality in the EISI Tool to simulate an assessment of your community’s vulnerability to West Nile Virus Illness and Death.

To rank your impact vulnerability level, you will factor in:

**Exposure risk (high) + impact risk (collect and asses below) + population sensitivity (medium) – adaptive capacity (medium) = vulnerability level**

For this exercise, assume your community is at high risk for greater storms and flooding or temperature extremes, which are primary exposures known to trigger higher risk for West Nile Virus-carrying mosquitos (a secondary exposure). Also assume that your adaptive capacity (e.g. access to health services/insurance) is medium and your population sensitivity (e.g. access to health services/insurance, proportion of population that is elderly) is medium.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Impact** | **Indicator** | **Data Source** | **Historical Data** | **Baseline****Data** | **Projected Data** | **Impact Vulnerability Level****(High, Medium, or Low)** |
| West Nile Virus illness and death  | West Nile-related hospitalizations (per 100,000) (County) | [CDC - West Nile](https://www.cdc.gov/westnile/statsmaps/index.html) |  |  |  |  |

# Plan Pala Exercise

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| --- | --- | --- | --- |
| **Health Impact** | **Adaptation Strategies** | **Need** (High, medium, low) | **Feasibility** (High, medium, low) |
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