• Accurate historical information
• Affordable, safe housing
• Broadband and communication
• Cultural activities and traditions
• Disability services
• Early childhood development services
• Economic development
• Education (Tribal)
• Equitable law and justice (Tribal)
• Extended family culture
• Financial services
• Healthy, affordable and nutritious food
• Healthy built and natural environments
• Health services (Tribal)
• Job training
• Living wage
• Parks, green spaces, and nature
• Safe, efficient transportation
• Subsistence traditional food/shelter/materials
• Spiritual/faith practices
• Water, air, land
**Barriers**

- Access to mass media and connectivity
- Assimilation
- Crime & violence
- Discrimination
- Distrust of government
- Economic instability
- Exposure to toxic substances
- Food insecurity
- Harassment
- Health illiteracy
- Historical lack of funding
- Historical trauma
- Housing instability
- Inaccurate historical information
- Lack of knowledge
- Oppression
- Pollution
- Poverty
- Social isolation
- Structural racism
- Unemployment

**Governments**

- County
- Federal
- International
- Municipal/Town
- State
- Tribal

**Goals, Happiness, Achievements, Aspirations, and Targets**

- A home
- Access to Indigenous roots/life
- Balance of life
- Desirable education
- Food security
- Freedom to participate in spiritual and faith based practices
- Highest quality of life
- Legacy
- Life in pollution-free environment
- Long, high quality, fulfilling life
- Physical & emotional well-being
- Responsive, vibrant, safe and supportive communities
- Satisfaction and pride of work
- Satisfying life
- Social cohesion
- Vibrant extended family
- Wellness in leadership
- Years of healthy life
Indigeneity is an intersectional determinant of health across sectors. Being Indigenous must be considered an overarching determinant of health for all social aspects because: (a) Indigenous Peoples’ interactions and connections to social life and environmental elements are substantially distinct from those of all other populations around the globe; and (b) the effects of the imposed systems, either by past colonial powers or current Governments, have negatively impacted, targeted and attempted to obliterate Indigenous systems across multiple generations. This has created a compounded negative effect that permeates and interlinks across all cultural, political, socioeconomic and biopsychological circumstances for Indigenous Peoples and communities. In addition to Indigeneity as an overarching determinant of health, 33 interrelated Indigenous determinants of health have been identified in the present study, divided into three categories.

**Indigeneity**

**Intergenerational Holistic Healing**
- Health Protective Factors
  - Intergenerational approach
  - Holistic healing
  - Indigenous cultures and languages
  - Language as an Indigenous knowledge keeper and transmitter
  - Land and Sacred practices
  - Indigenous-specific spirituality

- Health Risk Factors
  - Overreliance on Western approaches and/or asymmetric treatment of Indigenous knowledges
  - Suppression and oppression by substances
  - Institutionalized Indigenous-specific racism
  - Justified institutional pathologizing of Indigenous Peoples
  - Indigenous-specific targeting stigma
  - Ongoing trauma exposure
  - Forced assimilation and indoctrination

**Health of Mother Earth**
- Health Protective Factors
  - Physical: environment, ecology, water, land
  - Indigenous food systems
  - Access to water sources
  - Access to and health of traditional plants
  - Indigenous traditional medicine

- Health Risk Factors
  - Limited access to Indigenous food systems resources
  - Marketed ultra-processed food replacing Indigenous diets
  - Misconstruction of food security for Indigenous communities
  - Non-Indigenous concept of planetary health

**Decolonizing and Re-Indigenizing Culture as a Determinant of Health**
- Health-Protective Factors
  - Strengthening and reinforcement of the Indigenous identity
  - Acknowledgement of sovereignty of Indigenous Rights and beliefs systems
  - Indigenizing and decolonizing educational curricula
  - Gender in Indigenous communities

- Health Risk Factors
  - Normalization of ongoing cultural genocide
  - Structured, systematic and planned invisibility
  - Migration and urbanization
  - Environmental dispossession
  - Dismissal of traditional medicine approaches
  - Erosion of traditional lifeways
Web of Causation: Structural and Social Determinants of American Indian and Alaska Native Health

Colonization

- Federal Indian Boarding Schools
- Taking of Lands & Forced Relocation
- Structured, Systematic, and Planned Invisibility
- Destruction of Sacred Sites, Lands, Waters
- Genocide
- Forced Assimilation & Outlawing of Traditional Practices

Tribal Sovereignty

- Protected Plant and Animal Relatives
- Indigenous Cultures and Languages
- Strong Tribal Institutions
- Spirituality and Sacred Practices
- Traditional Medicine
- Food Sovereignty
- Indigenous Knowledge

Model adapted for AI/AN from ROOTT's theoretical framework of the Web of Causation between structural and social determinants of health and wellness, designed by J. Roach (2016)