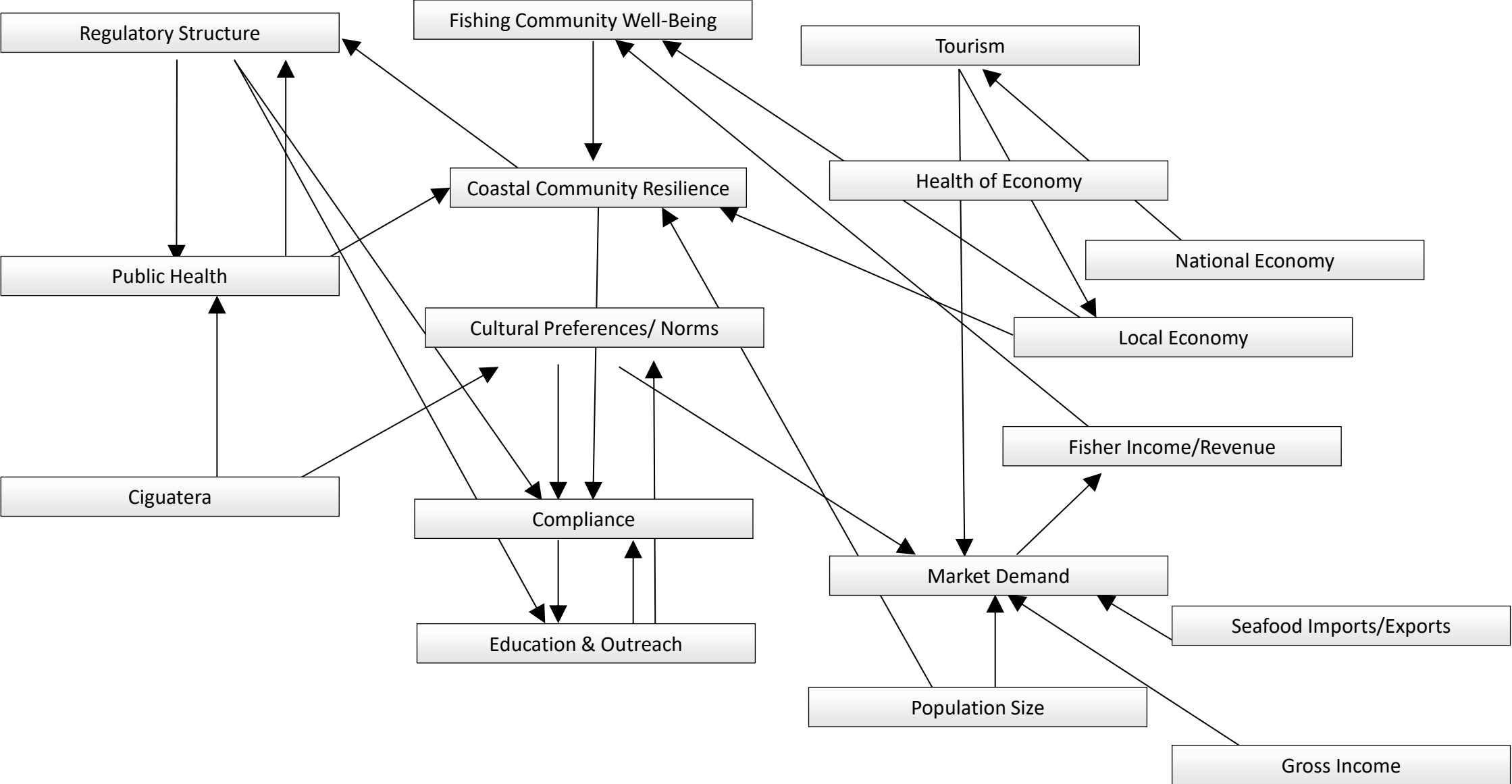


# Socio-Economic and Cultural Drivers

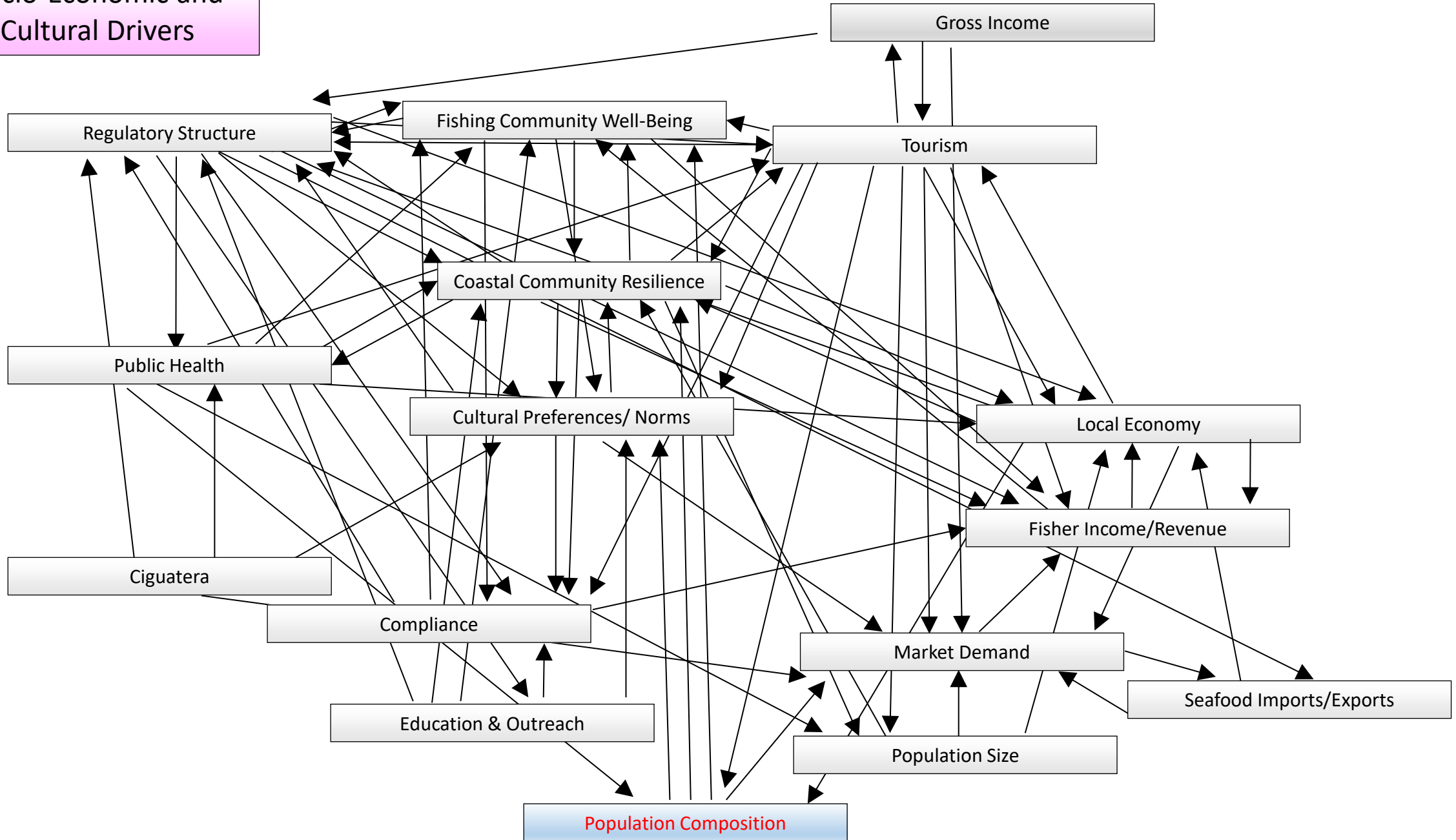


## Notes:

- Direct v. indirect relationships:
  - Identified variables in full model that create indirect connections.
  - Connected “loosely” only when important potential correlation could be missed.
- Included “population composition” to capture important effects/changes that relate to demographics, etc.
  
- Some components need further definition – e.g. regulatory processes; compliance – fishery context only?
- Complex components increase number of connections and two-way arrow relationships.
- Characteristic of relationships (positive/negative) often difficult to define (blue in table) – i.e. can be both/neither.

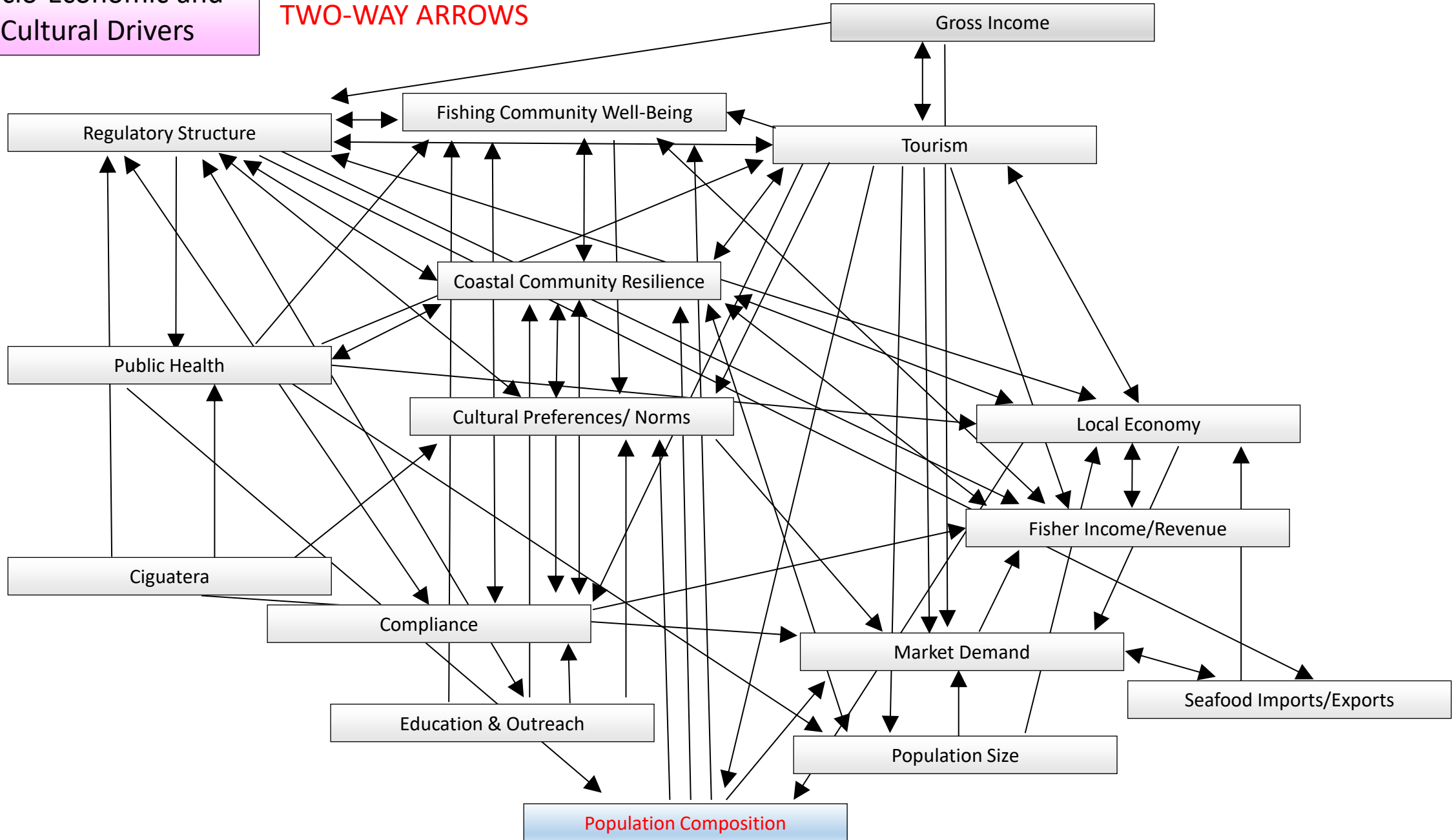
|                              | Gross Income | Population composition | Population Size | Seafood Imports/Exports | Market Demand | Fisher Income/Revenue | Local Economy | Tourism | Education & Outreach | Compliance | Cultural Preferences/Norms | Coastal Community Resilience | Fishing Community Well-Being | Ciguatera | Public Health | Regulatory Structure |
|------------------------------|--------------|------------------------|-----------------|-------------------------|---------------|-----------------------|---------------|---------|----------------------|------------|----------------------------|------------------------------|------------------------------|-----------|---------------|----------------------|
| Gross Income                 |              | 0                      | 0               | 0                       | 3             | 0                     | 0             | 3       | 0                    | 0          | 0                          | 0                            | 0                            | 0         | 0             | 3                    |
| Population composition       | 0            |                        | 0               | 0                       | 2             | 0                     | 0             | 0       | 0                    | 0          | 2                          | 2                            | 1                            | 0         | 0             | 0                    |
| Population Size              | 0            | 0                      |                 | 0                       | 3             | 0                     | 1             | 0       | 0                    | 0          | 0                          | 2                            | 0                            | 0         | 0             | 0                    |
| Seafood Imports/Exports      | 0            | 0                      | 0               |                         | 3             | 0                     | 1             | 0       | 0                    | 0          | 0                          | 0                            | 0                            | 0         | 0             | 0                    |
| Market Demand                | 0            | 0                      | 0               | 3                       |               | 3                     | 0             | 0       | 0                    | 0          | 0                          | 0                            | 0                            | 0         | 0             | 0                    |
| Fisher Income/Revenue        | 0            | 0                      | 0               | 0                       | 0             |                       | 1             | 0       | 0                    | 0          | 0                          | 1                            | 3                            | 0         | 0             | 0                    |
| Local Economy                | 0            | 2                      | 0               | 0                       | 3             | 2                     |               | 2       | 0                    | 0          | 0                          | 3                            | 0                            | 0         | 0             | 3                    |
| Tourism                      | 2            | 1                      | 1               | 0                       | 3             | 1                     | 3             |         | 0                    | -1         | 2                          | 2                            | 1                            | 0         | 0             | 3                    |
| Education & Outreach         | 0            | 0                      | 0               | 0                       | 0             | 0                     | 0             | 0       |                      | 3          | 3                          | 2                            | 2                            | 0         | 0             | 2                    |
| Compliance                   | 0            | 0                      | 0               | 0                       | 0             | 1                     | 0             | 0       | 0                    |            | 0                          | 0                            | 2                            | 0         | 0             | 3                    |
| Cultural Preferences/Norms   | 0            | 0                      | 0               | 0                       | 3             | 0                     | 0             | 0       | 0                    | 2          |                            | 2                            | 0                            | 0         | 0             | 3                    |
| Coastal Community Resilience | 0            | 0                      | 1               | 0                       | 0             | 3                     | 2             | 2       | 0                    | 2          | 2                          |                              | 3                            | 0         | 2             | 2                    |
| Fishing Community Well-Being | 0            | 0                      | 0               | 0                       | 0             | 1                     | 0             | 0       | 0                    | 2          | 2                          | 2                            |                              | 0         | 1             | 1                    |
| Ciguatera                    | 0            | 0                      | 0               | ?                       | -1            | 0                     | 0             | 0       | 0                    | 0          | 1                          | 0                            | 0                            |           | -1            | 1                    |
| Public Health                | 0            | 1                      | 1               | 0                       | 0             | 0                     | 3             | 3       | 0                    | 0          | 0                          | 0                            | 3                            | 0         |               | 1                    |
| Regulatory Structure         | 0            | 0                      | 0               | 2                       | 0             | 3                     | 1             | 2       | 3                    | 2          | 2                          | 3                            | 2                            | 0         | 1             |                      |

Socio-Economic and Cultural Drivers



Socio-Economic and Cultural Drivers

TWO-WAY ARROWS



Examples of 'complex' components in model:

Coastal Community Resilience

- Ability to recover from impact  
Relates to:
- Exposure
  - Sensitivity
  - Adaptation/Learning
  - Time and state of recovery

Fishing Community Well-Being

- Cooperation/cohesiveness among fishers
- Social Capital
- Conflict/Conflict resolution
- Community/Familial relationships
- Individual attributes: job satisfaction, physical and mental illnesses
- Material/financial

## Suggested discussion points:

- Recommendations in this presentation
- Component definitions
- How to deal with connection that are difficult to characterize as positive/negative
- Interactions with other submodels (recommendations in spreadsheet)