Vector Control Population Health Driver Diagram

**Aim**
To decrease the presence of vectors and prevent vector borne disease transmission in a community

**Goals**
- Increase efficiency and effectiveness of vector control program services
- Build vector control program infrastructure and capacity
- Reduce environmental factors that lead to vector borne disease
- Improve preparedness for responding to vector borne disease outbreaks

**Primary Drivers**
- Assessment of vectors and vector borne disease
- Policy to control vectors and prevent vector borne disease
- Assurance of effective vector control services
- Control of vectors and vector borne disease

**Secondary Drivers**
- Assessment Activities
  - Examine the environment to identify vector presence
  - Investigate vector patterns and/or outbreaks
  - Conduct community assessments to identify vector related issues
  - Monitor vector population and vector borne disease
  - Support a surveillance system for vectors and vector borne disease
- Policy Activities
  - Educate the public about reducing risk of vector borne disease
  - Develop effective messaging and communication strategies
  - Promote vector control policy
  - Build partnerships between government agencies and the private sector to work together on vector control education and policy
- Assurance Activities
  - Enact vector control laws and regulations
  - Provide a referral mechanism to link community members to vector control services
  - Establish vector population threshold levels
  - Employ a sufficient and trained vector control workforce
  - Measure and evaluate vector control strategies
- Control Strategies
  - Eliminate pest access to food, water, and shelter
  - Alter/eliminate environments conducive to pest populations
  - Implement physical and cultural control strategies with judicious use of pesticides insecticides, larvicides, and rodenticides if necessary
  - Research approaches to improve vector control services and conditions (e.g., timing treatments to the best advantage, pesticide efficacy)

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