Asenze Theoretical Model for Wave 3: The interaction between ‘top down’ executive function and ‘bottom up’ impulsive and emotional processes in regulating social, cultural and biological challenges of adolescent development with positive and negative outcomes.

**Executive function**
- Volitional behavior
- Planning
- Inhibitory control
- Decision making
- Coordination & control, information processing
- Delayed gratification
- Hope

**Impulsivity and emotional processes**
- Reward seeking
- Sensation seeking
- Negative thoughts
- Rule breaking
- Appetite

**Cultural norms**
- Current context: violence, drugs

**Early Adversity**
- School
- Family

**Community, Peer, Family Support**
- Peers

**Adversity, Abandonment/Isolation**
- Physical Health: HIV, Anemia, Disability
- Growth and Maturation
- Cognitive difficulties
- Depression/Anxiety

**Commitment to schooling**
- Advanced and completed secondary school
- Commitment to schooling

**Resilience/Success**
- Avoided Adolescent Pregnancy
- Delayed or safe sex
- Remained HIV negative

**Risky Behavior**
- Experienced Adolescent Pregnancy
- Unprotected Sex
- Acquired HIV infection
- Binge Drinking
- School Failure/Left school early
- Drug Use
- Delinquency
- Conduct Disorder