

# Technical Detection of Intended Violence Against Self or Others

## INSIDER THREAT PROGRAMS

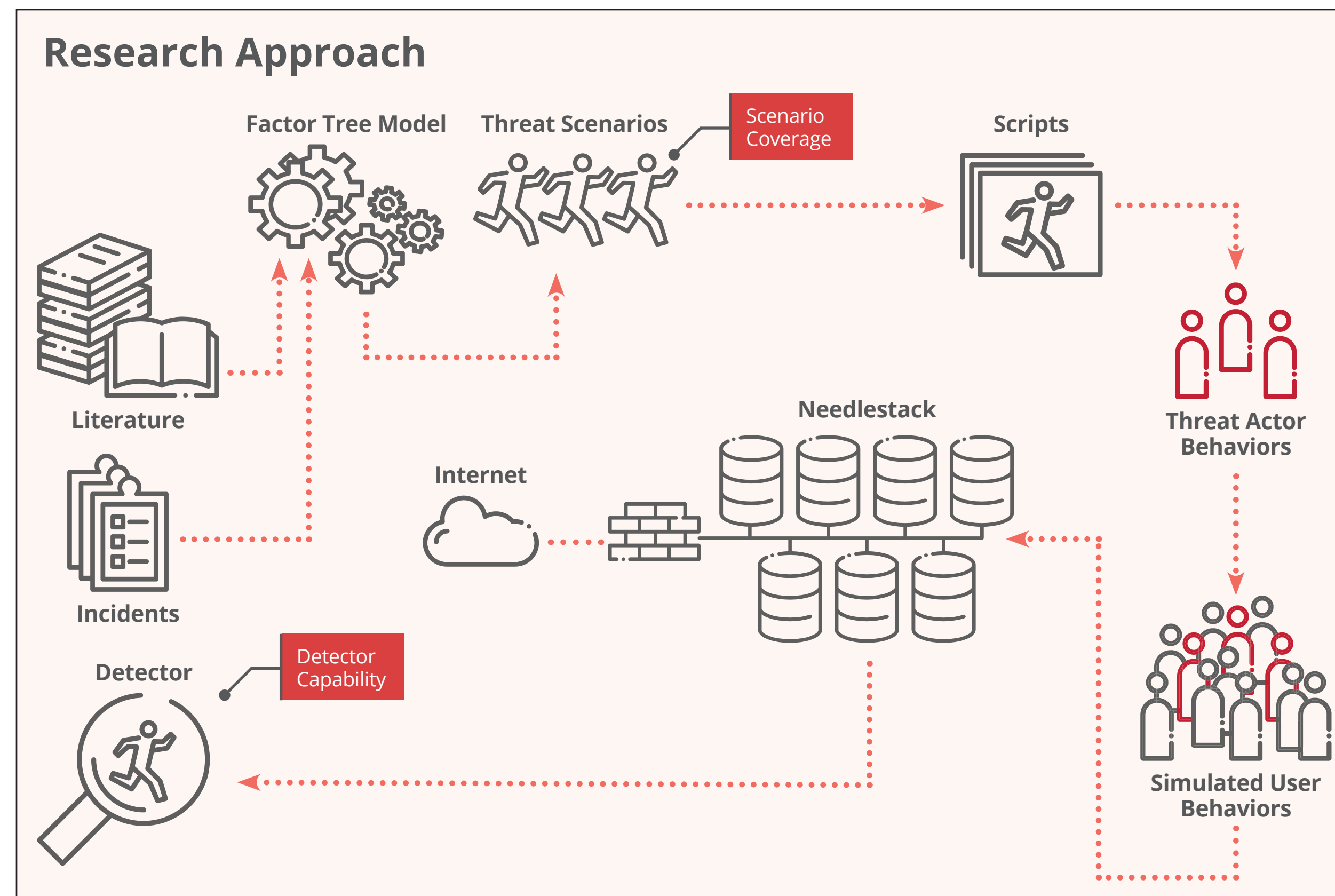
do not know how to detect heightened risk of workplace violence early enough to prevent harm to individuals and mission.

### Solution

Develop indicator ontology that maps across the incident lifecycle to online observables and assess technical detection capabilities in a virtual environment

### Project Artifacts

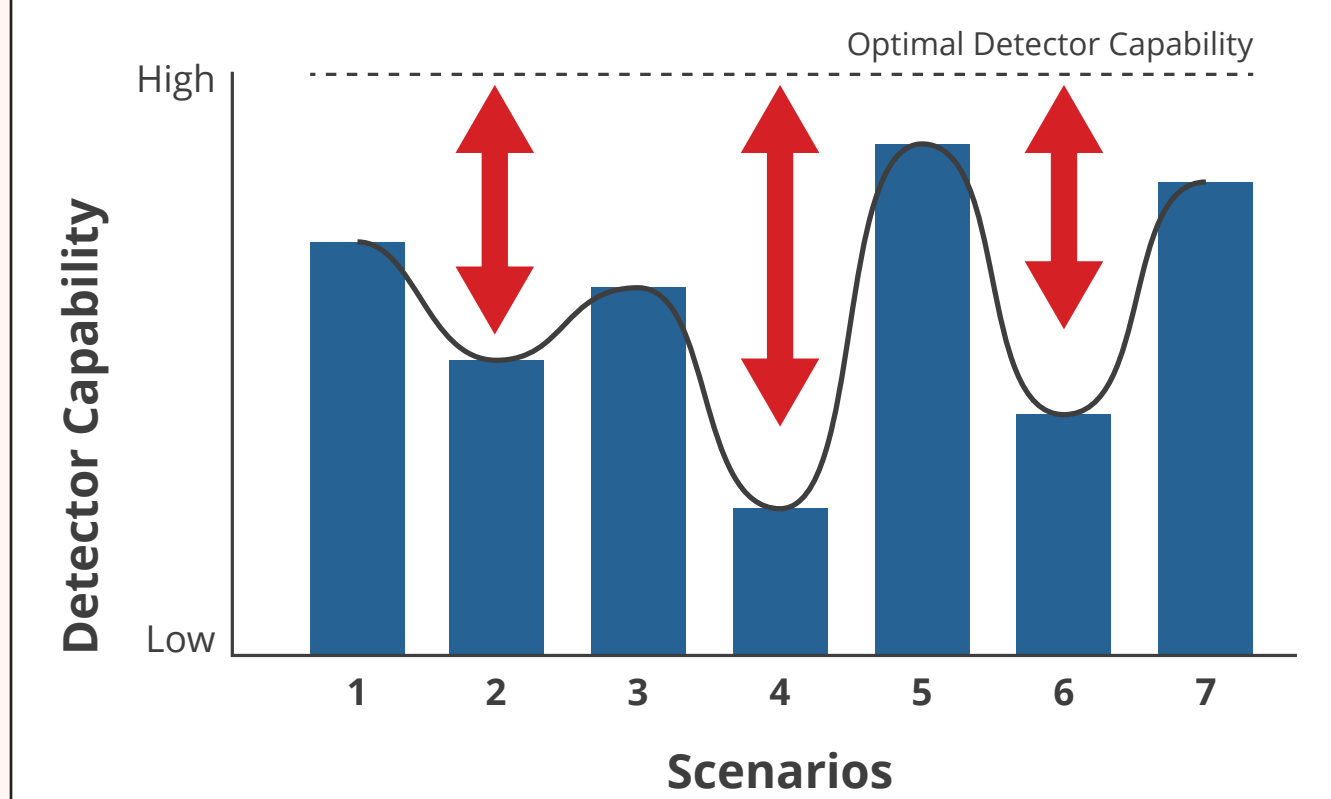
- Scenario Generation Framework
- Coverage and Detection Measures
- Detection Test (Needlestack) Instance
- Report on Balanced Insider Threat Defense



## Expected Results

- Human Resources (HR) and other detection tools will be configurable for kinetic threats, though they will not have off-the-shelf capabilities
- Detectors will perform better at detecting late stage than early stage indicators
- False alarms for insider kinetic threats may actually be hits for insider cyber threats

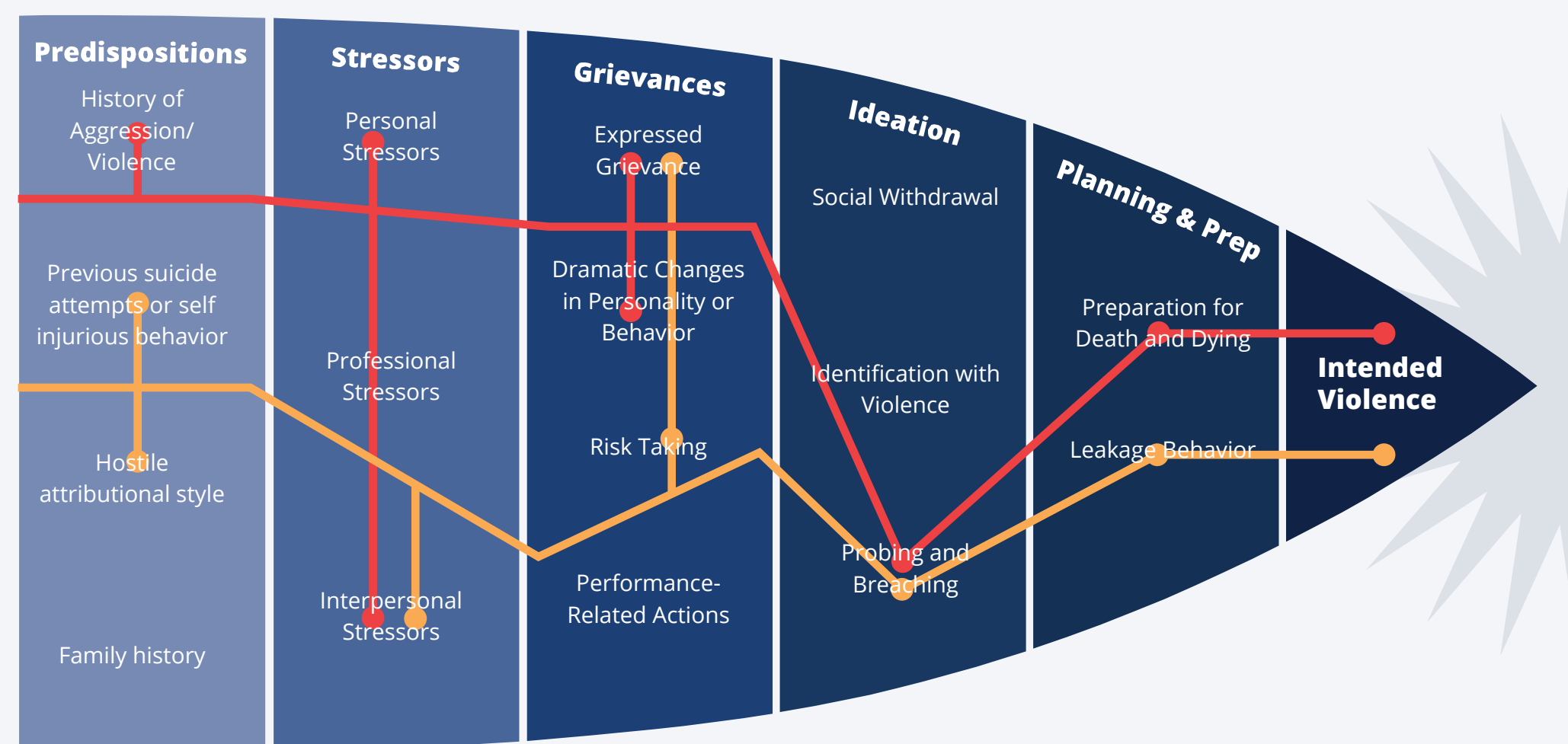
## Results Format



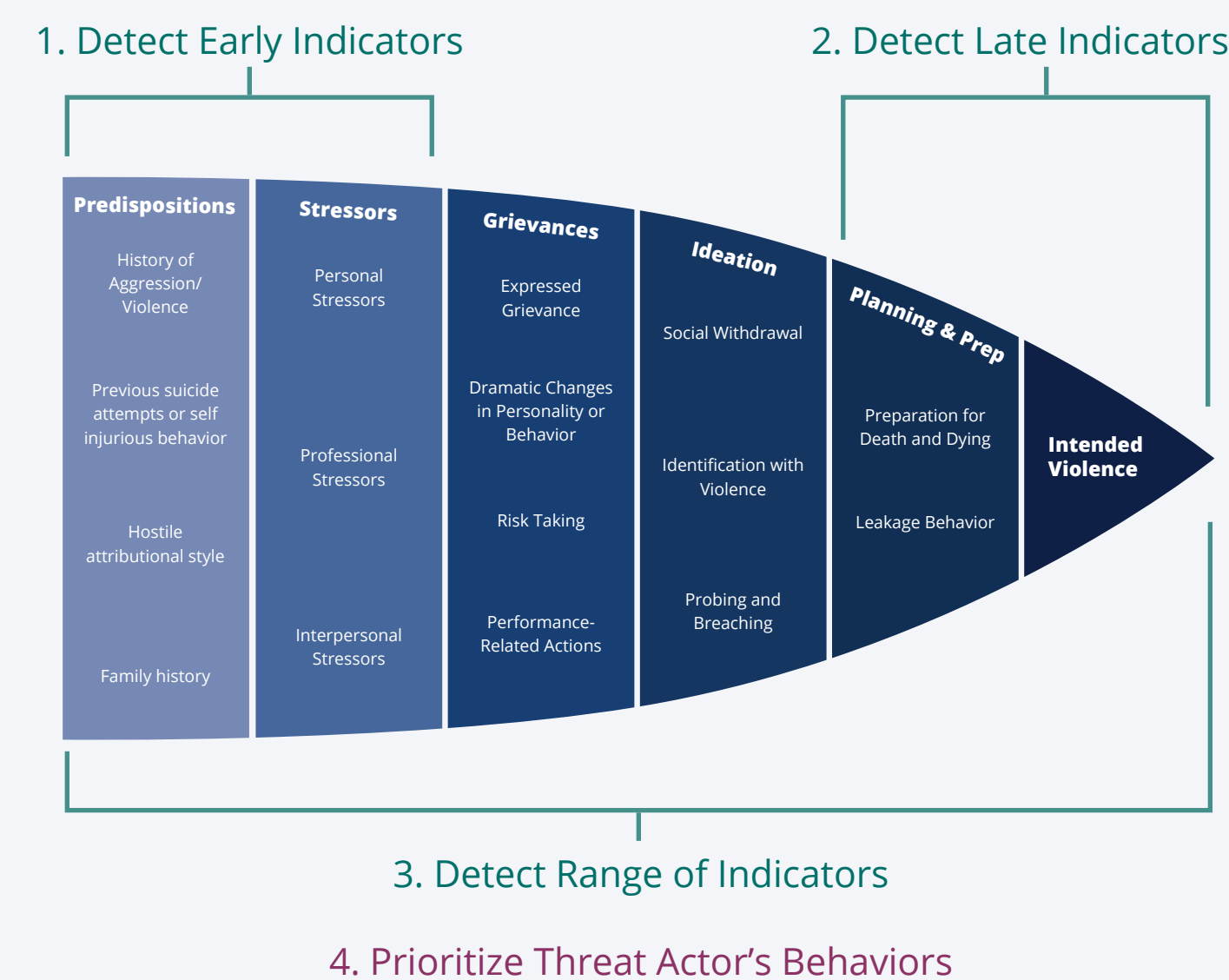
## Measures

### Scenario Coverage

- Scenario 1
- Scenario 2



## Detector Capability Assessment Criteria



## Future Work

Calendar Year 2017

- Finish developing scripts for the scenarios
- Run the detector capability assessment trial using Needlestack
- Write final research report on method, measures, insider threat tool testing usage, and findings

Post 2017

- Analyze the applicability of project results to the DoD Insider Threat Program
- Develop technical recommendations for reducing intended harm to self and others in the DoD.

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