Toxidrome

**Affected Areas**
All organ systems
* Especially: Central nervous system
  Heart

**Immediate Symptoms**
- Hyperventilation followed by hypotension
- Loss of consciousness
- Trismus (lockjaw)
- Opisthotonus (neck arching)
- Breathing cessation
- Cardiac arrest

**Ongoing Symptoms**
With high inhalational dose:
- Initially: Gasping
- Within 30-60 seconds: Loss of consciousness and convulsions
- Within 10 minutes: Respiratory and cardiac arrest.
  Rapidly fatal if untreated

**Examples**
**Chemical Warfare Agents**
- Cyanides (inorganic and organic)*

**Toxic Industrial Chemicals/Toxic Industrial Materials**
- Cyanides (inorganic and organic)*
- Hydrogen sulfide
- Azides
- Rotenone
- Sodium monofluoroacetate

*May be weaponized

**Sensitive Populations**
No particularly sensitive populations

**Concerns About This Syndrome**
No special concerns

**Common Treatment Protocols**
- Amyl nitrite
- Sodium nitrite
- Sodium thiosulfate
- Hydroxocobalamin
- Airway and breathing support
- Oxygenation

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Not meant to be a complete care guideline. Please refer to the CHEMM website for more information: [https://chemm.hhs.gov/mmghome.htm](https://chemm.hhs.gov/mmghome.htm)