

Adverse Event (AE) Reporting: Outline



- Definitions and Background
- Relevant Information in SWOG Protocols
- Reporting Adverse Events
 - NCI Common Terminology Criteria for Adverse Events (CTCAE)
 - CTCAE grade (severity)
 - Attribution
 - Status code
- ■Online Data Submission: Adverse Events

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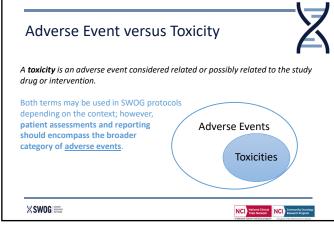
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Definition of Adverse Event An adverse event is any unfavorable and unintended change in a patient's condition from the day protocol treatment began, regardless of cause. An Adverse Event may be... A new event which was not pre-existing prior to initiation of study treatment A pre-existing event which recurs with increased severity (grade) or increased frequency following study drug administration An event present at the time of study drug administration which is exacerbated following initial study drug administration

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Which of the following should be reported as Adverse Events? Nausea or vomiting caused by study treatment Worsening of allergic rhinitis from seasonal allergies Wrist fracture due to fall Abnormal lab result that was not present at baseline Increasing tumor pain COVID-19 infection and related symptoms Unless otherwise specified, all grades of adverse events (1-5), including abnormal laboratory findings, must be reported on the study's Adverse Events Form (AE Form) regardless of clinical significance or attribution to protocol treatment.

Serious Adverse Events (SAEs) A Serious Adverse Event (SAE) is an unexpected or severe reaction to protocol treatment.

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Types of Adverse Event Reporting



Expedited reporting: reporting of adverse events meeting certain criteria (e.g. Serious Adverse Events and Adverse Events of Special Interest)

■ Captured via Adverse Events eCRF and CTEP-AERS

Routine reporting: reporting of ALL adverse events, regardless of attribution or grade, unless otherwise specified

Captured via Adverse Events eCRF at protocol-specified timepoints

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Importance of AE Reporting



Phase I trials

 Primary objective: accurately assess the safety of an experimental regimen and determine the maximum tolerated dose

Phase II single-arm trials

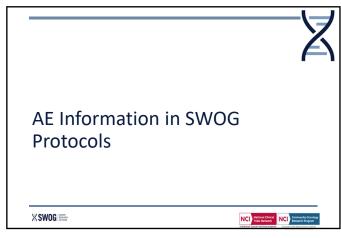
 Secondary objective: estimate the frequency and severity of toxicities in trial regimen

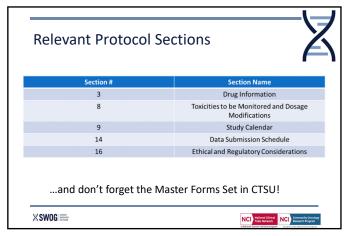
Phase II/III randomized trials

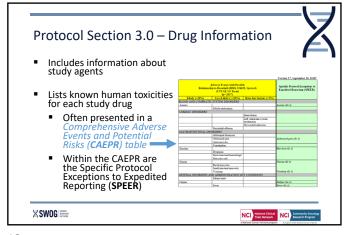
 Secondary objective: compare the frequency and severity of toxicities associated with each regimen

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Protocol Section 8.0 – Toxicities to be Monitored and Dose Modifications

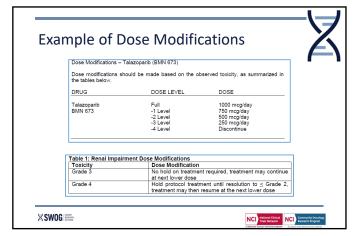


- Lists certain toxicities that may be seen on treatment and drugs to aid in symptom management
- Now includes Adverse Event Reporting Requirements
- Identifies version of Common Terminology Criteria for Adverse Events (CTCAE) used for study reporting
- Details dosage changes required during treatment in response to AFS
- Lists names and contact information of physicians to reach for assistance

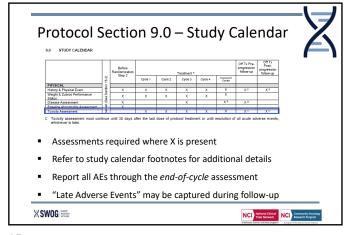
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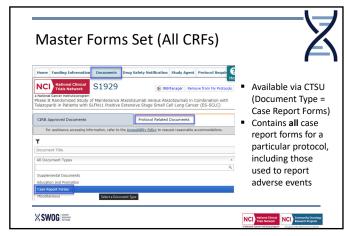
Protocol Section 16.0 – Ethical and Regulatory Considerations



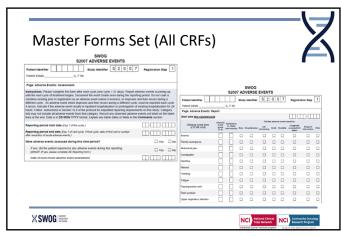
- Includes information regarding informed consent, IRB, drug accountability, and monitoring
- Adverse Event Reporting Requirements (older SWOG protocols)

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Reporting Adverse Events: NCI Common Terminology Criteria for Adverse Events (CTCAE)



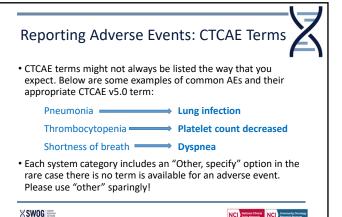
- CTCAE versions and other AE reporting resources are found at tetp.cancer.gov
 - Version 5.0 published in November 2017
 - Used for all SAE reporting (April 2018 to present)
 - Used for routine AE reporting for newer SWOG protocols
- Some studies may use a different CTCAE version for routine AE reporting vs. SAE reporting

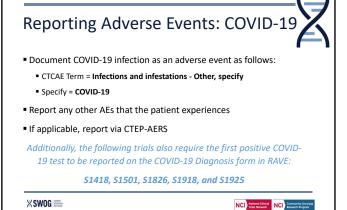
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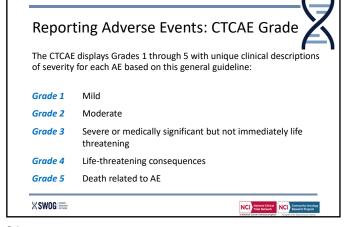


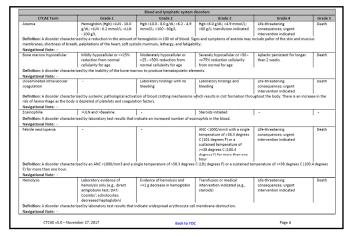
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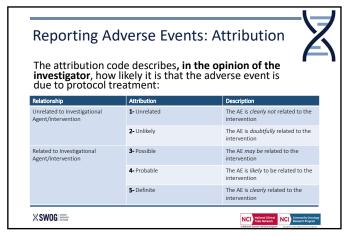
| | | Immune system disord | lers | | |
|---|--|--|--|---|---------|
| CTCAE Term | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade ! |
| Allergic reaction | Systemic intervention not indicated | Oral intervention indicated | Bronchospasm; hospitalization indicated for clinical sequelae; intravenous intervention indicated | Life-threatening consequences; urgent intervention indicated | Death |
| | terized by an adverse local or gene | | | | |
| | to infusion, use Injury, poisoning a | nd procedural complications: Infu | | | |
| Anaphylaxis | | | Symptomatic bronchospasm, with or without urticaria; parenteral intervention indicated; allergy-related edema/angioedema; hypotension | Life-threatening consequences; urgent intervention indicated | Death |
| hypersensitivity immune resp | terized by an acute inflammatory r ionse. Clinically, it presents with br | | | | |
| Navigational Note: - | | 4 7 | | | |
| Autoimmune disorder | Asymptomatic; serologic or other evidence of autoimmune reaction, with normal organ function; intervention not indicated | Evidence of autoimmune reaction involving a non- essential organ or function (e.g., hypothyroidism) | Autoimmune reactions involving major organ (e.g., colitis, anemia, myocarditis, kidney) | Life-threatening consequences; urgent intervention indicated | Death |
| Definition: A disorder charact individual to his own tissue co | terized by loss of function or tissue onstituents. | destruction of an organ or multip | ole organs, arising from humoral | or cellular immune responses of t | the |
| | sing this term consider specific aut | | | | |
| Cytokine release syndrome | Fever with or without constitutional symptoms | Hypotension responding to fluids; hypoxia responding to <40% O2 | Hypotension managed with one pressor; hypoxia requiring ≥ 40% O2 | Life-threatening consequences; urgent intervention indicated | Death |
| | terized by fever, tachypnea, heada | | | | |
| | ider reporting other organ dysfunc | tions including neurological toxici | ties such as: Psychiatric disorders | s: Hallucinations or Confusion; Ne | ervous |
| | sphasia, Tremor, or Headache | | | | |
| Serum sickness | Asymptomatic; clinical or diagnostic observations only; intervention not indicated | Moderate arthralgia; fever, rash, urticaria, antihistamines indicated | Severe arthralgia or arthritis; extensive rash; steroids or IV fluids indicated | Life-threatening consequences; pressor or ventilatory support indicated | Death |
| | terized by a delayed-type hyperser tion of the foreign antigen. Sympt | | | | |











Some SWOG studies will collect status in addition to grade and attribution. The status code describes the state of the adverse event at various points throughout the study. Status Codes range from 1 to 3: 1 = New 2 = Continues at same or lower grade 3 = Increased grade OR improved then worsened

Additional AE Data Collection Items

Some additional data items may be collected for AE reporting purposes:

- Serious?
- Hospitalization?
- Is the AE immune-related?
- Onset date
- Resolution date
- Ongoing?
- · Action taken with study drug
- Outcome of AE
- Treatment received for AE?

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General Rules for AE Reporting



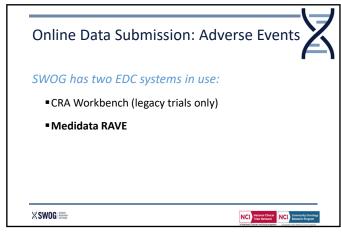
- Record and report adverse events as they occur
- Unless otherwise stated in the protocol...
 - Report <u>all</u> adverse events, regardless of attribution or clinical significance
 - After each treatment cycle or reporting period, report the most severe grade experienced during the cycle
- Avoid using "Other, specify" for reporting, unless no specific CTCAE term applies
- Know your protocol and ensure events are reported in the required timeframe, whether routine or expedited
- When in doubt, reach out!

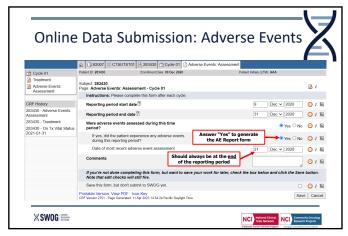
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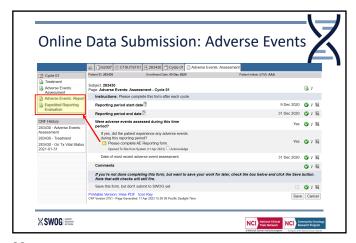


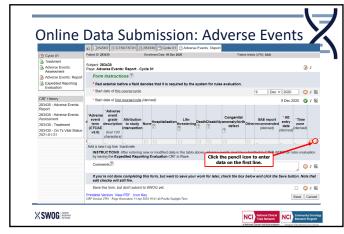
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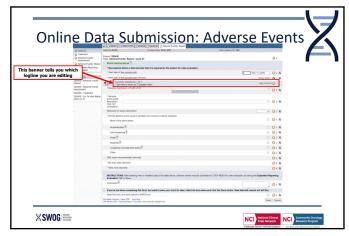


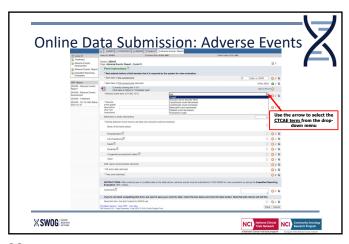


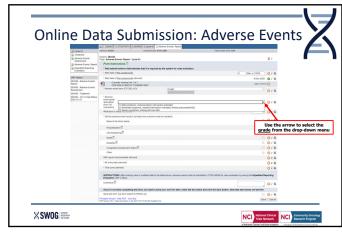


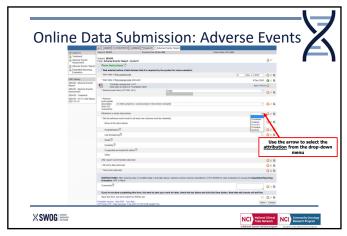


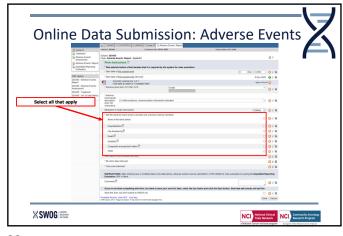


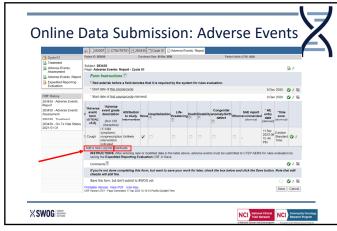


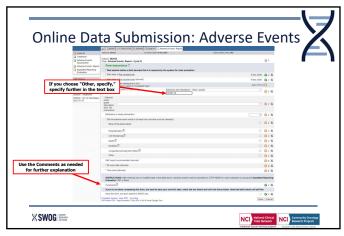


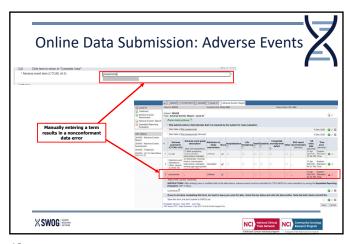


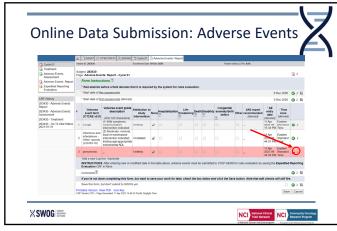


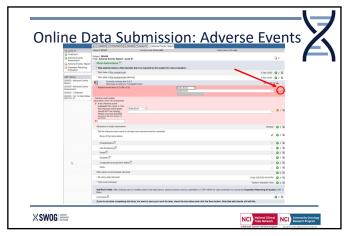


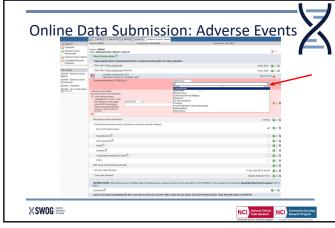


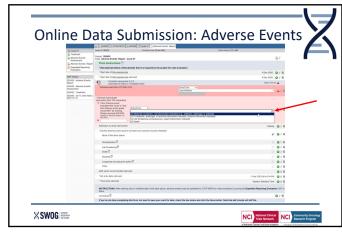


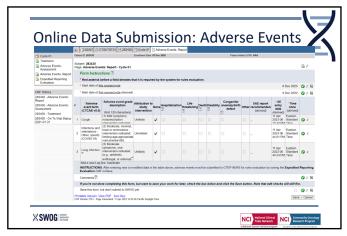


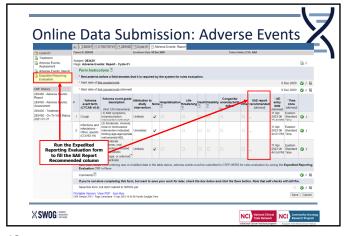












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| > Also refer to the <i>CRA Manual (for Oncology Research Professionals)</i> , available on the CRA Workbench! | | | | | |
| SWOG SECTION | NCI National Clinical NCI Community Occobyr Breazon Program a Noting General Principles of Principle | | | | |