**Rules for standard phenotype names:**

1. General Rules:
	1. Prioritize readability
	2. No names shall exceed 32 characters
	3. Limit special characters to only allow underscores
	4. Prioritize variable names without underscores\* whenever possible. For example:
		1. All Start/End/Duration variables will have no underscores
	5. Groups of phenotypes exist and shall follow these rules:
		1. Procedure Type phenotypes begin ProcType
		2. Anesthesia Technique phenotypes begin AnesTechnique
		3. Drug types given phenotypes begin [DrugType]Given
		4. BP Observation phenotypes begin BPObs
		5. Comorbidity phenotypes begin Comorb[Category/Source]
		6. Complication phenotypes begin Comp[Category/Source]
		7. Blood product phenotypes should be:
			1. [TypeOfBloodProduct]derived\_[units]
			2. [TypeOfBloodProduct]raw\_[units]
			3. [TypeOfBloodProduct]volume\_[units]
		8. Common medical abbreviation should be used such as:
			1. BP for blood pressure
			2. Dx for diagnosis
			3. Txp for transplant
			4. Hx for history
2. \*Exceptions that do have underscores:
	1. All Quality Measures are listed as: *QualityMeasureName*\_*DatabaseListing*
	2. Notes variables including *PhenotypeName*, *PhenotypeName\_Orig*, *PhenotypeName\_VC, PhenotypeName\_OrigNoteTime*
	3. Non-notes variables that include a value code version will have two variables that are *PhenotypeName* and *PhenotypeName\_VC*
	4. Variable names that include units (e.g., units of time, volume) are *PhenotypeName*\_*UnitOfMeasure*
	5. Variable names that include time relationship with procedure (e.g., preop, postop, intraop, unknown timing) are *PhenotypeName*\_*TimeRelationship*.