

NEMESIS V3.5.0 Defined List: eSituation.11 – Provider’s Primary Impression eSituation.12 – Provider’s Secondary Impressions

Date

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Introduction

The Provider’s Impression Defined List utilizes a two-tier choice hierarchy to make identifying and selecting appropriate values easier for EMS clinicians. The first tier represents a generic classification referred to as a “Parent Code”. The second tier is a more specific impression referred to as the “EMS Description”. That is followed by the related ICD-10-CM code and clinical ICD-10-CM description.

PARENT CODE	EMS DESCRIPTION	ICD-10	ICD-10 DESCRIPTION
Digestive	Blood in vomit or stool (GI bleed)	K92.2	Gastrointestinal hemorrhage, unspecified

EMS software implementing this list may provide an interface that first allows the clinician to choose a generic impression (Parent Code), and then provide more specific options (EMS Description) to efficiently reach final value choices.

Historical Context

The NEMESIS Version 2 Data Standard established a defined list of Provider Impressions. Feedback from stakeholders indicated that the list was not sufficient to clearly describe a field clinician’s primary and subsequent impressions. NEMESIS Version 3 Data Standard allowed for a much broader range of impressions. Feedback from stakeholders indicated that the Data Standard now allowed for too broad of a range and the data collected were too detailed for efficient application by EMS clinicians.

The Defined Lists associated with the rollout of NEMSIS v3.5.0 were specifically populated to include codes applicable to greater than 90% of all patient care reports submitted to the National EMS database in 2017 through 2019.

Methodology

Utilizing data from the NEMSIS National Database, Primary Impressions listed on patient care reports were evaluated for recurrence and repetition. The assessment included 27,862,178 patient care reports within the time frame of 01/01/2017 through 06/25/2019 were evaluated.

The 2019 defined list (associated with NEMSIS V3.5.0) for Primary Impression represents a minimum of 90.53% of all Primary Impression codes submitted to NEMSIS during the time frame. The 2019 Defined List for Primary and Secondary Impressions includes 124 detailed options within 17 categories. (See Hierarchy Example for additional details.)

Defined List Value Range

The code list associated with eSituation.11 and eSituation.12 – Primary and Secondary Impressions represents a range of values found in the 10th revision of the International Classification of Diseases – Clinical Modification (ICD-10-CM).

The eSituation.11 and eSituation.12 Primary and Secondary Impressions Defined List can be accessed from the NEMSIS TAC website on the Version 3 Resources page: <https://nemsis.org/technical-resources/version-3/version-3-resources/>. The codes in the Provider Impressions Defined List are represented in the ICD-10-CM ranges listed in the table below.

The ICD-10-CM Code Range for inclusion in the NEMSIS Version 3.5 Provider Impressions:

A00–B99	Certain infectious and parasitic diseases
C00–D48	Neoplasms
D50–D89	Diseases of the blood, blood-forming organs, disorders involving the immune mechanism
E00–E90	Endocrine, nutritional and metabolic diseases
F00–F99	Mental and behavioral disorders
G00–G99	Diseases of the nervous system
I00–I99	Diseases of the circulatory system
J00–J99	Diseases of the respiratory system
K00–K93	Diseases of the digestive system
M00–M99	Diseases of the musculoskeletal system and connective tissue
N00–N99	Diseases of the genitourinary system
O00–O99	Pregnancy, childbirth and the puerperium
R00–R99	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified
S00–T98	Injury, poisoning and certain other consequences of external causes
V01–Y98	External causes of morbidity and mortality
Z00–Z99	Factors influencing health status and contact with health services

Use of code digits that specify Treatment Encounter (initial encounter, subsequent encounter, and sequela) should be avoided (e.g.: T78.40XA: Allergy, unspecified, initial encounter should be described as T78.40: Allergy, unspecified).

ICD-10-CM: Licensed Code List

The U.S. National Library of Medicine provides access to the ICD-10-CM code values through the Unified Medical Language System (UMLS). An applicant must accept the terms of the UMLS Metathesaurus License and create a UMLS Terminology Services (UTS) account for access to UMLS datasets and terminology browsers. More information can be found at <http://www.nlm.nih.gov/databases/umls.html>.

The NEMESIS TAC may only distribute defined lists with specific value codes from the UMLS system to entities licensed through the UMLS system. Thus, each software developer must seek licensing and provide proof of licensing before gaining access to all of the pre-defined lists available through the NEMESIS TAC.

Hierarchy Example

EMS clinicians may choose a general classification (Parent Code) within the first tier of Provider Impressions to document a general impression of the patient condition. Multiple second tier choices (EMS Description) should then be made available to better define the pre-hospital patient encounter.

STEP 1: <i>Select a general classification</i>	STEP 2: <i>Select a more precise description</i>
First Tier: Parent Code	Second Tier: EMS Description
Cardiovascular	Angina (pain related to heart)
	Arrhythmia
	Cardiac arrest
	Chest pain, NOS
	Myocardial Infarction, NOS
	Heart failure
	Hypertension
	Hypotension
	Non-STEMI
	Other, unspecified CV disorder
STEMI	

Recurrence

eSituation.11 – Primary Impression is limited to a single data value. However, the clinician may enter as many data values as needed in eSituation.12 – Provider’s Secondary Impressions.

Reference Material

See the [NEMESIS v3.5.0 Data Dictionary](https://nemsis.org/technical-resources/version-3/version-3-data-dictionaries/) for additional technical specifics. <https://nemsis.org/technical-resources/version-3/version-3-data-dictionaries/>.