Annexure II Blood Bank Data Set

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
Blood Bank	Blood Bank Identification Number 05.027.0001	It is an identifier for the local Blood Bank given by State level DCGI and monitored by NACO. This identifier will come from the application level Blood Bank Master. This has to be used in case the Blood Bank identifier cannot be taken from facility master code directory CD05.001. This can include the private sector Blood Banks also. Values: Refer Code Directory CD05.086	Integer	10	
Blood Bank	Blood Bank Type 05.027.0002	This data element defines the types of blood banks. Values : 1 - Blood Bank 2 - Store	Integer	1	
Blood Bank	Blood Donor ID 05.027.0003	It is unique registration number that has been issued to blood donor at the Time of donation of blood.	Varchar	20	
Blood Bank	Blood Donor Name 05.027.0004	It is defined as Name of Blood Donor.			Refer to Name of the Person
Blood Bank	Blood Donor DOB 05.027.0005	It is defined as Date of birth of Blood Donor.			Refer to Date (G00.01)
Blood Bank	Blood Donor Age 05.027.0006	Age of Blood Donor	Age-year(s) (yyy) Integer(3) Age-Month(s) (mm) Integer(2) Age-Day(s) (dd) Integer (2)	7	999,99,99 no preceding zero [years, months, days]

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
Blood Bank	Blood Donor Blood Group 05.027.0007	A blood type (also called a blood group) is a classification of blood based on the presence or absence of inherited antigenic substances on the surface of red blood cells (RBCs). The two most important ones are ABO and the Rh antigen; they determine someone's blood type (A, B, AB and O, with + and - denoting Rh status). Values: Refer Code Directory CD05.006	Integer	1	
Blood Bank	Date of Donation 05.027.0008	It is defined Date of donation on which blood has been donated.			Refer to Date (G00.01)
Blood Bank	Time of Donation 05.027.0009	Time of donation on which blood has been donated.	HH:MM:SS	8	
Blood Bank	Blood Recipient ID 05.027.0010	It is unique registration number that has been issued to blood recipient at the Time of transfusion of blood.	Varchar	20	
Blood Bank	Blood Recipient Name 05.027.0011	Name of Blood Recipient.			Refer to Name of the Person
Blood Bank	Blood Recipient Age 05.027.0012	Age of Blood Recipient	Age-year(s) (yyy) Integer(3) Age-Month(s) (mm) Integer(2) Age-Day(s) (dd) Integer (2)	7	
Blood Bank	Blood Group 05.027.0013	A blood type (also called a blood group) is a classification of blood based on the presence or absence of inherited antigenic substances on the surface of red blood cells (RBCs). The two most important ones are ABO	Integer	1	

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
		and the Rh antigen; they determine someone's blood type (A, B, AB and O, with + and - denoting Rh status). Values: Refer Code Directory CD05.006			
Blood Bank	Blood Components 05.027.0014	These are defined as the components present in blood. To provide maximum benefits from each blood donation, blood banks fractionate whole blood into components like RBCs, platelets and preserve them for future purpose. Values: Refer Code Directory CD05.083	Integer	2	
Blood Bank	Blood Screening Check list 05.027.0015	This checklist denotes screening of blood before donation or transfusion to the intended recipient. It includes series of laboratory tests which will rule out diseases like AIDS, syphilis, jaundice etc. Values: Refer Code Directory CD05.031	Integer	2	
Blood Bank	Serum Screening Comments 05.027.0016	Details of serum screening including cross matching of blood group	Varchar	254	
Blood Bank	Donation Type 05.027.0017	It is defined as type of blood donation. It includes voluntary donation through camping conducted by Rotary, Red Cross etc. or can be replacement. Values: Refer Code Directory CD05.084	Integer	2	
Blood Bank	Bag Quantity Used 05.027.0018	It is defined as number of blood bags used.	Integer	2	
Blood Bank	Blood Components Donated	It is defined as the blood components donated. Values: Refer Code Directory	Integer	2	

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
	05.027.0019	CD05.083			
Blood Bank	Blood Bag Batch ID 05.027.0020	Batch Number of Blood bag.	Varchar	20	
Blood Bank	Blood Bag Expiry Date 05.027.0021	Date of Expiry of blood bag			Refer to Date (G00.01)
Blood Bank	Blood Bag Order ID 05.027.0022	Order ID of Blood bag.	Varchar	10	
Blood Bank	Blood Request Date 05.027.0023	Date of Request for blood group.			Refer to Date (G00.01)
Blood Bank	Blood Request Time 05.027.0024	Time of request for blood group	HH:MM:SS	8	
Blood Bank	Blood Amount 05.027.0025	It defined as volume (Quantity) of blood donated or transfused. E.g. 300 ml, 600 ml etc. The units will be captured in the 'Unit of Measurement' Data element			
Blood Bank	Indication for Blood Transfusion 05.027.0026	The value indicates the reason that the blood product was ordered. This information is helpful for prospective review or retrospective studies of blood product ordering practices of the ordering provider by the Quality Assurance Department and/or Transfusion Committee. Values 1 - Therapeutic 2 - Surgery	Integer	2	
Blood Bank	Transfusion Status 05.027.0027	It is defined as the status of blood transfusion like transfused, transfused with adverse reaction etc. Values: Refer Code Directory CD05.085	Integer	2	
Blood Bank	Transfusion Date	Date of Transfusion			Refer to Date

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
	05.027.0028				(G00.01)
Blood Bank	Transfusion Time 05.027.0029	Time of Transfusion	HH:MM:SS	8	
Blood Bank	Transfusion Verifier Name 05.027.0030	This field contains the identity of the individual who assists in the identification of the patient and verification of the product information prior to transfusion of the blood product and also administers the transfusion of the blood product.			Refer to Name of the Person (G01.02)
Blood Bank	Adverse Reaction Type 05.027.0031	This field contains the type of adverse reaction that the recipient of the blood product experienced. Values: Refer Code Directory CD05.087	Integer	2	
Person	Alternate Unique Identification Number (UID) Type 05.002.0001	This describes the type of the ID proof which will be used in case the UID number (also called as Aadhaar number) is not available with a person. e.g. values for this data element are PAN card, Passport Number, Voter ID ,National Population Registration Number, Others etc. It can also be used in addition to the UID. Values: Refer Code Directory CD05.007	Integer	2	

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
Person	Alternate Unique Identification Number(UID) 05.002.0002	Alternate Unique Identification Number (UID) is any identity which may be used if primary Unique Identification number is not available with a person or in addition to the primary Unique ID. PAN card - Permanent Account Number (PAN) is a ten-digit alphanumeric number, issued in the form of a laminated card, by the Income Tax Department. This is a laminated card which contains Person's Name, Father's Name, Date of Birth, Permanent Account Number, Signature, Photograph and Date of issue of PAN Card. It is an important national ID. Passport Number - The Consular Passport & Visa (CPV) Division of the Ministry of External Affairs, functioning as the central passport organization, is responsible for issuance of Indian passports on demand to all eligible Indian citizens. Voter ID - An election card is a unique identity card which has the individual's name and personal data, such as address, Date of birth, and father's name. A photograph is also included in it. Ration card - included with photo for Identity proof. It is applicable to Head of Family only	Varchar	Max. size =18 10 - PAN Card 08 - Passport No. 18 - Voter ID 18 - Any other Identifier	
Person	Time of Birth 05.002.0003	This data element identifies a person's Time of Birth.	HH:MM:SS	8	

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
Person	Nationality Code 05.002.0006	The code indicating the nationality of a person. Values: 1 - Indian 2- Others Default value will be 1.	Integer	1	
Person	Person Name Type 05.002.0008	A person's name may be recorded as one of the following types Values: M- Maiden Name B-Birth Name A-Alias L-Legal Name Default value will be Legal Name.	Char	1	
Person	Phone Owner 05.002.0009	The person who is listed as the owner of the number provided in the medical records. Self phone number is preferred, in case not available then phone number of a neighbour or relative can be noted down in records. Record phone number of ANM and ASHA, in case no other phone number is available. (If Phone owner code is other than self, name and relationship code of person should be captured.) Values: 1- Self (patient) 2- ANM 3- Doctor or any other health provider 4- Neighbour 5- Family member	Integer	2	

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
Patient	Patient Age 05.003.0003	This data element is to be used when patient DOB is not known or in addition to DOB. Age is to be automatically calculated if Date of birth is entered/available; once the patient's DOB is available, all client systems must automatically calculate "age" of the patient. For this, unless the patient's Date of birth is available, the age will be approximated with the assumption that the patient was born on the 1st day of January of the year that the entered age appears to point to. The record display will need to clearly show that this age is an approximated one.	Age-year(s) (yyy) Integer(3) Age-Month(s) (mm) Integer(2) Age-Day(s) (dd) Integer (2)	7	
Patient	Patient Address 05.003.0009	Address of the patient			Refer to Address of a Premises (G02.03)
Patient	Patient Address Type 05.003.0010	Address Type This data element is extended in health domain to include more address type values. The value list has been coded using a character code to identify the address type. Values : Refer Code Directory CD05.120	Char	1	Refer to Address Type (G02.03-00-01).
Patient	Patient Landline Number 05.003.0011	Landline number of patient			Refer to Landline Number (G00.06-01-05)
Patient	Patient Mobile Number 05.003.0012	Mobile number of patient			Refer to Mobile Number (G00.06-02-05)

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
Patient	Patient Class 05.003.0013	This is used to categorize patients by the site where the encounter occurred , e.g.,1- Emergency, 2- Inpatient, or 3- Outpatient. Values : Refer Code Directory CD05.047	Integer	2	
Patient	Reason for Visit 05.003.0016	Indicates the rationale for the encounter. More than one reason for patient visit can be entered	Varchar	99	
Allergy	Allergy Product Code 05.018.0001	This is the code of the product or agent that causes the intolerance (Allergy, sensitivity or Intolerance) 1. Food and non-medicinal allergies/Sensitivities should be coded as Ingredient Name. 2. Allergies/Drug Sensitivity to a class of medication should be coded as Medication Drug Class. There can be multiple medication drug class codes causing allergies/drug sensitivity. 3. Allergies/Drug Sensitivity to a specific medication should be coded as Medication Brand Name Medication Clinical Drug Names. Values: Refer Code Directory CD05.018	Integer	5	
Allergy	Allergy Reaction Name 05.018.0004	This value is the name or description describing the reaction. Allergic reactions are sensitivities to allergens that come into contact with the skin, nose, eyes, respiratory tract, and gastrointestinal tract Values :Refer Code Directory CD05.019	Varchar	99	
Allergy	Allergy Reaction Description 05.018.0005	This is any additional information regarding reaction that may be caused by the product or agent	Varchar	99	

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
Allergy	Allergy Status 05.018.0008	The status of the allergy intolerance such as Active, Inactive, remitted etc. Values: Refer Code Directory CD05.021	Integer	2	
Vital Signs	Vital Sign Result Time 05.017.0001	The time for the vital signs observation	HH:MM:SS	8	
Vital Signs	Vital Sign Result Type 05.017.0002	A coded representation of the vital sign observation performed (e.g. Blood Pressure - Systolic and Diastolic, Body Weight/Height etc.) Values: Refer Code Directory CD05.041	Integer	2	
Vital Signs	Vital Signs Result Status 05.017.0003	Status for this vital sign observation, e.g., complete, preliminary Values: Refer Code Directory CD05.038	Integer	2	
Vital Signs	Vital Sign Result Value 05.017.0004	The value of the result. For example Blood pressure diastolic measured as 130 mm of Hg, Temperature measured as 100 deg Celsius. The unit of measurement will be provided in the 'Vital Signs Result Unit' data element	Varchar	20	
Vital Signs	Vital Sign Result Unit 05.017.0005	Appropriate unit of measurement for vital signs. Values: Refer Code Directory CD05.025	Integer	2	
Vital Signs	Vital Sign Result Interpretation 05.017.0006	An abbreviated interpretation of the vital sign observation, e.g., normal, abnormal, high, etc. Values: Refer Code Directory CD05.135	Integer	2	
Vital Signs	Vital Sign Result Reference Range - lower limit 05.017.0007	lower limit of Reference range(s) for the vital sign observation Values: Refer Code Directory CD05.039	Integer	3	

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
Vital Signs	Vital Sign Result Reference Range - Upper limit 05.017.0008	Upper limit of Reference range(s) for the vital sign observation Values: Refer Code Directory CD05.039	Integer	3	
Vital Signs	Vital Sign Result Date 05.017.0009	The date of vital signs observation			Refer to Date (G00.01)
Vital Signs	Vital Sign Result ID 05.017.0010	An identifier for this specific vital sign observation	Integer	10	
Lab	Result Date 05.021.0001	The date of the Result observation			Refer to Date (G00.01)
Lab	Result Time 05.021.0002	The time of Result observation	HH:MM:SS	8	
Lab	Lab Order Code 05.021.0022	The order code for the requested observation, test, and/or battery. Note This can be based on local and/or standardized order codes e.g. For Laboratory Orders Refer to LOINC code directory Values: Refer Code Directory CD05.024	Varchar	10	
Lab	Lab ID 05.021.0023	It is an identifier for the local Labs. This identifier will come from the application level Lab Master. This has to be used in case the Lab identifier cannot be taken from facility master code directory CD05.001. This can include the private sector Labs also. Values: Refer code directory CD05.122	Integer	10	

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
Lab	Lab Type 05.021.0024	This data element defines the types of Labs. Values : 1- Clinical Pathology 2- Clinical Microbiology 3 - Clinical Biochemistry	Integer	1	
Lab	Lab Result ID 05.021.0025	An identifier for this specific observation	Varchar	10	
Clinical Orders	Order to Admit Time 05.025.0001	The Time the provider has ordered that the patient be admitted	HH:MM:SS	8	
Clinical Orders	Decision to Admit Time 05.025.0002	The Time the provider decided to admit the patient	HH:MM:SS	8	
Clinical Orders	Clinical Orders Description 05.025.0003	This data element is the free text description of clinical orders. e.g. Warm saline gargles three Times a day. In addition, quantity related orders such as 'take two glasses of milk daily in Diet Orders', 'One tablespoon of Jaggery in breakfast daily' can also be ordered	Varchar	254	
Clinical Orders	Order ID 05.025.0004	The order identifier from the perspective of the ordering Provider. Also known as the 'placer number' versus the pharmacies prescription number (or 'filler number')	Varchar	12	
Clinical Orders	Parent Order ID 05.025.0005	The Order number of the Parent Order which may have spawned Child orders. Used to maintain the connection of the original order	Varchar	10	
Clinical Orders	Order Verifying Care Provider ID 05.025.0006	The identity of the person (Unique Individual Care provider ID) who verified the accuracy of the entered request If Individual Care provider ID is not available, the Order Verified by person UID can be used in Alternate UID data element.	Varchar	18	

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
Clinical Orders	Order Group ID 05.025.0007	An order group is a list of orders associated with an -placer group number. A group is established when the placer supplies a placer group number with the original order	Varchar	10	
Clinical Orders	Order Status 05.025.0008	Report the status of an order either upon request or when the status changes Values : Refer Code directory CD05.121	Char	2	
Clinical Orders	Time of Order Transaction 05.025.0009	Time of the order transaction	HH:MM:SS	8	
Clinical Orders	Order Setting Facility Type 05.025.0010	Indicates the care setting in which the order is executed Values: Refer Code Directory CD05.002	Integer	2	
Clinical Orders	Requested Order Start Time 05.025.0011	The Time when the ordering provider is requesting the execution of orders	HH:MM:SS	8	
Clinical Orders	Order Priority 05.025.0012	The priority of the order Values: Refer Code Directory CD05.048	Integer	2	
Clinical Orders	Placer Order ID 05.025.0013	The order identifier from the perspective of the system placing the order	Varchar	10	
Clinical Orders	Filler Order ID 05.025.0014	The order identifier from the perspective of the system fulfilling the order	Varchar	10	
Clinical Orders	Specimen Action 05.025.0015	Identifies the action to be taken with respect to the specimens that accompany or precede this order. The purpose of this field is to further qualify (when appropriate) the general action indicated by the order	Varchar	30	
Clinical Orders	Date of Order Transaction 05.025.0016	The Date of the order transaction			Refer to Date (G00.01)

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
Clinical Orders	Requested Order Start Date 05.025.0017	The Date when the ordering provider is requesting the execution of orders			Refer to Date (G00.01)
Person	Contact Type 05.002.0010	A patient can have multiple type of contacts such as: in case of emergency, in context of insurance, in case of patient's will. The values of this data element can be the following - immediate emergency contacts, next of kin, family relations, guardians, agents, etc. Values: Refer Code Directory CD05.054	Integer	2	
Person	Contact Person Name 05.002.0011	Name of Contact Person whose data is required in health domain applications. Multiple names are allowed to retain birth name, maiden name, legal names and aliases as required			Refer to Name of the Person (G01.02)
Person	Contact Relationship Code 05.002.0012	The relationship with a contact person identified in 'Contact Person Name' data element			Refer to Relationship Code (G01.08-01)
Person	Contact Person Address 05.002.0013	Address of the contact person identified in 'Contact Person Name' data element			Refer to Address of a Premises (G02.03)
Person	Contact Person landline telephone number 05.002.0014	Landline number of the contact person identified in 'Contact Person Name' data element			Refer to Landline Number (G00.06-01-05)
Person	Contact Person Mobile number	Mobile number of the contact person identified in 'Contact Person Name' data element			Refer to Mobile Number (G00.06-

Entity	Name of Data Element and its Identifier	Description of Data Element	Data Format	Max Size	Remarks
	05.002.0015				02-05)
Person	Contact Person Email Address/URL 05.002.0016	Email of a Contact person/organization identified in 'Contact Person Name' data element			Refer to Email (G00.09)
Person	Gender Identification Code (G01.03)	Gender Identification Code of a person			Refer to (G01.03)