

CSSCD Phases 2 and 3
Section 2.13: Arterial Blood Gases – Form ABG

QUESTION-BY QUESTION SPECIFICATIONS FOR ARTERIAL BLOOD GASES

Question 1. Person completing form: The person completing the ARTERIAL BLOOD GASES FORM should enter his/her name on the line and initials in the three boxes to the right of the line.

Question 2. CSSCD code number of person completing form: The code number of the person completing the Arterial Blood Gases Form is to be assigned by the Data Coordinator at each clinic.

Question 3. Date sample for ARTERIAL blood gases drawn: The date the samples for the arterial blood gases were DRAWN should be entered in the MM/DD/YY date format (e.g., October 24, 1994, would be entered 10/24/94).

****NOTE: DO NOT report results obtained from venous or mixed blood specimens****

****NOTE: DO NOT report results obtained when the patient was sick, unstable, or on oxygen****

Question 4. ARTERIAL BLOOD GASES: results should be recorded in the appropriate boxes for

Question 4.1 p O₂

Question 4.2 pCO₂

Question 4.3 pH

Question 4.4 Body temperature at time blood is drawn (°C): Record the patient's body temperature in degrees Celsius at the time the blood gas sample was DRAWN in the boxes to the right of Question 4.4.

Question 5. Was pulse oximetry performed?: Place a check mark in the appropriate (1. NO or 2. YES) box. If 2. YES is checked, record %O₂ in boxes to the right of 5.1.

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Question 6. Was co-oximetry performed?: Place a check mark in the appropriate (1. NO or 2. YES) box. If 2. YES is checked, record results of %O₂ saturation, carboxyhemoglobin, and methemoglobin in the boxes to the right of 6.1, 6.2, and 6.3 respectively.

CODEBOOK FOR CSSCD FORM ABG

ARTERIAL BLOOD GASES FORM

CSSCD INFANT COHORT PATIENTS

CONTENTS OF SAS DATASET: ABG_PUBN.SD2
DATA FROM CSSCD FORM ABG - ARTERIAL BLOOD GASES (STEADY-STATE) FORM
VARIABLES ARE LISTED IN ALPHABETICAL ORDER AND IN ORDER OF THEIR POSITION
IN THE SAS DATASET AND ON FORM ABG
DATE VARIABLES HAVE BEEN REMOVED & CSSCD ID #S REPLACED W/ ANONYMIZED ID #

The SAS System 12:05 Thursday, February 12, 2004 6

The CONTENTS Procedure

Data Set Name:	IN.ABG_PUBN	Observations:	10
Member Type:	DATA	Variables:	16
Engine:	V6	Indexes:	0
Created:	16:55 Thursday, February 12, 2004	Observation Length:	115
Last Modified:	16:55 Thursday, February 12, 2004	Deleted Observations:	0
Protection:		Compressed:	NO
Data Set Type:		Sorted:	NO
Label:			

-----Engine/Host Dependent Information-----

Data Set Page Size: 12288
Number of Data Set Pages: 1
First Data Page: 1
Max Obs per Page: 106
Obs in First Data Page: 10
Number of Data Set Repairs: 0
File Name: abg_pun.sd2
Release Created: 6.08.00
Host Created: WIN

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Format	Informat	Label
7	ABGBTMP	Num	8	41	4.	4.	44 BODY TEMP AT TIME BLOOD WAS DRAWN
12	ABGCARB	Num	8	81	4.1	4.1	62 CARBOXYHEMOGLOBIN
10	ABGCOOX	Num	8	65	2.	2.	6 WAS CO-OXIMETRY PERFORMED
11	ABGCOSAT	Num	8	73	3.	3.	61 %O2 SATURATION BY CO-OXIMETRY
2	ABGID2	Num	8	8	3.	3.	FOLLOW-UP IDENTIFIER
14	ABGIRPT	Num	8	97	2.	2.	BLOOD GAS INSTITUTIONAL REPORT RECEIVED
13	ABGMETH	Num	8	89	4.1	4.1	63 METHEMOGLOBIN
16	ABGVERS	Char	2	113			VERSION DATA TRANSCRIBED FROM
5	ABGPCO2	Num	8	25	2.	2.	42 BLOOD GAS - PCO2(MMHG) READING
6	ABGPH	Num	8	33	5.2	5.2	43 BLOOD GAS - PH READING
4	ABGPO2	Num	8	17	3.	3.	41 BLOOD GAS - PO2(MMHG) READING
9	ABGPOSAT	Num	8	57	3.	3.	51 %O2 SATURATION BY PULSE OXIMETRY
8	ABGPOX	Num	8	49	2.	2.	5 WAS PULSE OXIMETRY PERFORMED
15	ABGTRNSC	Num	8	105	2.	2.	DATA TRANSCRIBED FROM OLDER VERSION
3	ABGVERS	Char	1	16			FORM VERSION
1	ANONID	Char	8	0			ANONYMIZED ID #

CONTENTS OF SAS DATASET: ABG_PUN.SD2
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```
*****  
* ABGN.FMT contains value labels for numerical codes assigned *  
* to categorical variables in the SAS dataset ABG_PUBN.SD2 *  
*****;
```

```
PROC FORMAT;
```

```
*Format NO_YES used for the following variables: ABGPOX ABGCOOX;
```

```
VALUE NO_YES 1='NO'  
          2='YES';
```

```
VALUE ABGIRPT 1='NOT RECEIVED'  
             2='RECEIVED';
```

```
FORMAT ABGPOX ABGCOOX ABGTRNSC NO_YES. ABGIRPT ABGIRPT.;
```

```
RUN;
```

```
QUIT;
```

CODEBOOK FOR CSSCD FORM ABG
 ARTERIAL BLOOD GASES FORM - PAGE 1/1
 CSSCD INFANT COHORT PATIENTS

ABGID2 ----- FOLLOW-UP IDENTIFIER

type: numeric (float)

range: [1,11] units: 1
 unique values: 2 coded missing: 0 / 10

tabulation: Freq. Value
 6 1
 4 11

ABGVERS ----- FORM VERSION

type: string (str1)

unique values: 2 coded missing: 0 / 10

tabulation: Freq. Value
 6 "A"
 4 "C"

ABGP02 ----- 41 BLOOD GAS - P02(MMHG) READING

type: numeric (float)

range: [77,121] units: 1
 unique values: 9 coded missing: 0 / 10

mean: 97.2
 std. dev: 16.0402

percentiles: 10% 25% 50% 75% 90%
 77 80 96.5 110 117.5

ABGPC02 ----- 42 BLOOD GAS - PCO2(MMHG) READING

type: numeric (float)

range: [29,41] units: 1
 unique values: 7 coded missing: 0 / 10

mean: 36.7
 std. dev: 4.19126

percentiles: 10% 25% 50% 75% 90%
 29.5 36 37 40 41

CODEBOOK FOR CSSCD FORM ABG
ARTERIAL BLOOD GASES FORM - PAGE 1/1
CSSCD INFANT COHORT PATIENTS

ABGPH ----- 43 BLOOD GAS - PH READING

type: numeric (float)

range: [7,7.45] units: .01
unique values: 5 coded missing: 0 / 10

mean: 7.254
std. dev: .219099

percentiles: 10% 25% 50% 75% 90%
7 7 7.405 7.43 7.44

ABGBTMP ----- 44 BODY TEMP AT TIME BLOOD WAS DRAWN

type: numeric (float)

range: [36,37] units: 1
unique values: 2 coded missing: 4 / 10

tabulation: Freq. Value
1 36
5 37

ABGPOX ----- 5 WAS PULSE OXIMETRY PERFORMED

type: numeric (float)

range: [1,2] units: 1
unique values: 2 coded missing: 7 / 10

tabulation: Freq. Value
1 1
2 2

ABGPOX:

1. Required only if ABGVERS = 'C'

ABGPOSAT ----- 51 %O2 SATURATION BY PULSE OXIMETRY

type: numeric (float)

range: [96,100] units: 1
unique values: 2 coded missing: 8 / 10

tabulation: Freq. Value
1 96
1 100

ABGPOSAT:

1. Required only if ABGPOX = 2

CODEBOOK FOR CSSCD FORM ABG
ARTERIAL BLOOD GASES FORM - PAGE 1/1
CSSCD INFANT COHORT PATIENTS

ABGCOOX ----- 6 WAS CO-OXIMETRY PERFORMED

type: numeric (float)

range: [1,1] units: 1
unique values: 1 coded missing: 6 / 10

tabulation: Freq. Value
4 1

ABGCOOX:

1. Required only if ABGVERS = 'C'

ABGCOSAT ----- 61 %O2 SATURATION BY CO-OXIMETRY

type: numeric (float)

range: [.,.] units: .
unique values: 0 coded missing: 10 / 10

tabulation: Freq. Value

ABGCOSAT:

1. Required only if ABGCOOX = 2

ABGCARB ----- 62 CARBOXYHEMOGLOBIN

type: numeric (float)

range: [.,.] units: .
unique values: 0 coded missing: 10 / 10

tabulation: Freq. Value

ABGCARB:

1. Required only if ABGCOOX = 2

ABGMETH ----- 63 METHEMOGLOBIN

type: numeric (float)

range: [.,.] units: .
unique values: 0 coded missing: 10 / 10

tabulation: Freq. Value

ABGMETH:

1. Required only if ABGCOOX = 2

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ARTERIAL BLOOD GASES FORM - PAGE 1/1
CSSCD INFANT COHORT PATIENTS

ABGIRPT ----- BLOOD GAS INSTITUTIONAL REPORT RECEIVED

type: numeric (float)

range: [1,2] units: 1
unique values: 2 coded missing: 0 / 10

tabulation: Freq. Value
1 1
9 2

ABGTRNSC ----- DATA TRANSCRIBED FROM OLDER VERSION

type: numeric (float)

range: [1,1] units: 1
unique values: 1 coded missing: 6 / 10

tabulation: Freq. Value
4 1

ABGOVERS ----- VERSION DATA TRANSCRIBED FROM

type: string (str2)

unique values: 1 coded missing: 0 / 10

tabulation: Freq. Value
10 "-7"

ABGOVERS:

1. Required only if ABGTRNSC = 2

_dta:

1. Created 04/03/2000