

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

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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;

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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"

ABGPO2 ----- 41 BLOOD GAS - PO2(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

ABGPCO2 ----- 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

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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

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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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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