

Data Set Name: a1atlongv4.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	bmi	Num	8			BMI
2	WeightZScore	Num	8			Weight-for-age Z
3	headcz	Num	8			Head circ-for-age Z
4	BMIZScore	Num	8			BMI-for-age Z
5	HeightZScore	Num	8			Height-for-age Z
6	PiZZPheno	Num	8	YN.		PiZZ phenotype
7	PiSZPheno	Num	8	YN.		PiSZ phenotype
8	Gender	Num	8	SEX.	6.	Sex
9	Ethnicity	Num	8	ETHF.	6.	Ethnicity
10	FinalStatus	Num	8	ALLLEAVE.		Final status
11	SubjectID	Char	8			LOGIC subject ID
12	AnyLiverTxp	Num	8	YN.		Liver transplant
13	RTriSkin	Num	8	8.1		Right triceps skinfold thickness (mm)
14	RArmSizeCm	Num	8			Right mid arm circumference (cm)
15	INR	Num	8	8.1		INR
16	AlbuminGdl	Num	8			Albumin (g/dL)
17	ALTUnitsL	Num	8	BEST12.		ALT (U/L)
18	ASTUnitsL	Num	8	BEST12.		AST (U/L)
19	GGTPUnitsL	Num	8	BEST12.		GGTP (U/L)
20	PlateletsCnt	Num	8	BEST12.		Platelets (10 ³ /mm ³)
21	BiliTotalMgdl	Num	8			Total or (unconjugated + conjugated) bilirubin (mg/dL)
22	BiliDirectMgdl	Num	8			Direct or conjugated bilirubin (mg/dL)
23	AgeAtExam	Num	8			Age at visit (years)
24	Visit	Num	8	VISITFMT.		Visit
25	AgeAtTxp	Num	8			Age (years) at liver transplant
26	race	Num	8	RACECATF.		Race
27	PHT	Num	8	YN.		PHT status (on this visit)
28	PHTBaseline	Num	8	YN.		PHT on entry
29	TxpEnd	Num	8	YN.		Liver transplant/death
30	PHTEnd	Num	8	YN.		PHT
31	TxpEndYrs	Num	8			Time to liver transplant/death (years)
32	PHTEndYrs	Num	8			Time to PHT (years)
33	ExamYrs	Num	8			Time to visit (years)
34	NeoCholestasis	Num	8	YN.		Neonatal cholestasis
35	RespiratoryProblems	Num	8	YN.		Respiratory problems

Data Set Name: analysis.sas7bdat

Num	Variable	Type	Len	Label
1	Total_bilirubin_at_baseline	Num	8	Total bilirubin at baseline (mg/dL)
2	GENDER	Char	16	
3	RACE	Char	41	
4	ETHNICITY	Char	16	
5	Age_At_KPE	Num	8	Age at Kasai portoenterostomy(Day)
6	Successful_Drainage	Char	3	
7	Total_bilirubin	Num	8	Total bilirubin (mg/dL)
8	Conjugated_bilirubin	Num	8	Conjugated bilirubin(mg/dL)
9	Unconjugated_bilirubin	Num	8	Unconjugated bilirubin(mg/dL)
10	Delta_bilirubin	Num	8	Delta bilirubin(mg/dL)
11	Bc_plus_Bu	Num	8	Conjugated Bilirubin plus Unconjugated Bilirubin (mg/dL)
12	Albumin	Num	8	Albumin(g/dL)
13	Time_after_Kasai	Num	8	Time after Kasai (Day)
14	ID	Num	8	

Data Set Name: baneuro_raw_14mar19.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	ChiLDReN_StudyID	Char	50	\$50.	\$50.	Subject ID
2	sex	Num	8	SEX.	6.	Sex
3	race	Num	8	RACEF.		Race
4	hispanic	Num	8	YN.		Hispanic ethnicity
5	age_hpe_m	Num	8			Age at HPE (months)
6	degree	Num	8	DEGREEF.		Highest Household Education
7	BASM	Num	8	YN.		BASM
8	success	Num	8	YN.		Successful HPE
9	VCI	Num	8	11.		Verbal Comprehension (VCI)
10	PRI	Num	8	11.		Perceptual Reasoning (PRI)
11	WMI	Num	8	11.		Working Memory (WMI)
12	PSI	Num	8	11.		Processing Speed (PSI)
13	FSIQ	Num	8	11.		Full Scale (FSIQ)
14	VIQ	Num	8	11.		Verbal (VIQ)
15	PIQ	Num	8	11.		Performance (PIQ)
16	GLC	Num	8	11.		General Language Composite (GLC)
17	test	Char	41			Test
18	tested	Num	8	YN.		Tested
19	age_test_y	Num	8			Age at testing (years)
20	age	Num	8			Age group at testing (years)
21	PSQ	Num	8	BEST.		Processing Speed (PSQ)
22	waz	Num	8			Weight z-score
23	haz	Num	8			Height z-score
24	INR	Num	8	8.1		INR
25	HgbGdl	Num	8			Hemoglobin (g/dl)
26	TotalBilirubinMgdl	Num	8			Total bilirubin (mg/dl)
27	ALTUnitsL	Num	8	BEST12.		ALT (U/L)
28	ASTUnitsL	Num	8	BEST12.		AST (U/L)
29	GGTPUnitsL	Num	8	BEST12.		GGTP (U/L)
30	PlateletsCnt	Num	8	BEST12.		Platelet count
31	WBCcnt	Num	8	BEST12.		WBC count
32	cholangitis	Num	8	YN.		Cholangitis (ever)
33	bleed	Num	8	YN.		GI bleed (ever)
34	PHT	Num	8	YN.		Portal hypertension (ever)
35	ascites	Num	8	YN.		Ascites (ever)
36	varices	Num	8	YN.		Esophageal or gastric varices (ever)
37	splenomegaly	Num	8	YN.		Splenomegaly (ever)

Num	Variable	Type	Len	Format	Informat	Label
38	thrombocytopenia	Num	8	YN.		Thrombocytopenia (ever)
39	LowBayley	Num	8	YN.		Bayley <=85

Data Set Name: ba_vh_18aug22.sas7bdat

Num	Variable	Type	Len	Format	Label
1	sex	Num	8	SEX.	Sex
2	LiverTxp	Num	8	YN.	Liver transplant
3	ParticipantID	Char	25	\$25.	De-Identified Subject ID
4	race	Num	8	RACEFMT.	Race
5	KasaiAge	Num	8		Age at HPE (days)
6	WeightKg	Num	8		Weight (kg)
7	HeightCm	Num	8		Height (cm)
8	SpleenSize	Num	8	BEST12.	Spleen size (cm below costal margin)
9	ASTUnitsL	Num	8	BEST12.	AST (U/L)
10	ALTUnitsL	Num	8	BEST12.	ALT (U/L)
11	TotalBilirubinMgdl	Num	8		Total bilirubin (mg/dl)
12	GGTPUnitsL	Num	8	BEST12.	GGTP (U/L)
13	INR	Num	8	BEST12.	INR
14	PlateletsCnt	Num	8	BEST12.	Platelet count (10 ³ /mm ³)
15	AlkPhosphUnitsL	Num	8	BEST12.	Alkaline phosphatase (U/L)
16	AlbuminGdl	Num	8		Albumin (g/dl)
17	sHPE	Num	8	YN.	Functioning HPE
18	waz	Num	8		Weight z-score
19	haz	Num	8		Height z-score
20	whpct	Num	8		Weight-for-height percentile
21	bmicat	Num	8	BMICATF.	BMI
22	mhx	Num	8	YN.	VH reported on medical history form
23	bleed	Num	8	YN.	VH during follow-up
24	bleedhx	Num	8	YN.	History of VH prior to enrollment
25	PELD	Num	8	BEST12.	PELD at transplant
26	age_bsl_y	Num	8		Age at baseline visit (years)
27	age_bsl_m	Num	8		Age at baseline visit (months)
28	age_txp_y	Num	8		Age at transplant (years)
29	TxpDeathEnd	Num	8	YN.	Transplant/death outcome
30	time_to_TxpDeath	Num	8		Time to transplant/death (years)
31	BleedEnd	Num	8	BLEEDENDF.	VH outcome
32	time_to_Bleed	Num	8		Time to first bleed (years)
33	Txp6w	Num	8	YN.	Transplant within 6 weeks of bleed
34	Death6w	Num	8	YN.	Death within 6 weeks of bleed
35	TxpDeath6w	Num	8	YN.	Transplant or death within 6 weeks of bleed
36	age_bleed_y	Num	8		Age at first bleed (years)
37	spleenplate	Num	8	SPLEENPLATEF.	Thrombocytopenia/Splenomegaly

Num	Variable	Type	Len	Format	Label
38	spleenplate2	Num	8	SPLEENPLATE2F.	Thrombocytopenia/Splenomegaly
39	time_fu_y	Num	8		Follow-up time (years)
40	mhx_sens	Num	8	YN.	VH reported on medical history form [sensitivity analysis]
41	Bleed_sens	Num	8	YN.	VH during follow-up [sensitivity analysis]
42	BleedEnd_sens	Num	8	BLEEDENDF.	VH outcome [sensitivity analysis]
43	time_to_Bleed_sens	Num	8		Time to first bleed (years) [sensitivity analysis]
44	bmi	Num	8		BMI
45	bmiz	Num	8		BMI z-score
46	basic	Num	8	BASICF.	Study

Data Set Name: discriminate_ba.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	subject_id	Num	8			Subject ID
2	protocol	Num	8			Protocol Enrolled
3	ba_flag	Num	8			BA Flag
4	time_to_birth	Num	8			Time of Birth in Days Relative to Consent
5	race_c	Char	41			Race
6	gender_c	Char	16			Gender
7	ethnicity_c	Char	16			Ethnicity
8	time_to_diag	Num	8			Time to Diagnosis From Consent (Days)
9	time_to_surgery	Num	8			Time to Initial Surgery From Consent (Days)
10	time_to_fev	Num	8			Time to First Evaluation From Consent (Days)
11	drain	Char	2	\$2.	\$2.	Drainage Indicator
12	srgba	Char	2	\$2.	\$2.	BA Indicated at Surgery
13	obs_solid_cord	Char	2	\$2.	\$2.	Common Bile Duct Solid Cord
14	obs_absent	Char	2	\$2.	\$2.	Common Bile Duct Absent
15	patent_none	Char	2	\$2.	\$2.	Observed to be Patent: None
16	common_hepatic_duct	Char	2	\$2.	\$2.	Observed to be Patent: Common Hepatic Duct
17	right_hepatic_duct	Char	2	\$2.	\$2.	Observed to be Patent: Right Hepatic Duct
18	left_hepatic_duct	Char	2	\$2.	\$2.	Observed to be Patent: Left Hepatic Duct
19	Common_bile_duct	Char	2	\$2.	\$2.	Observed to be Patent: Common Bile Duct
20	cystic_duct	Char	2	\$2.	\$2.	Observed to be Patent: Cystic Duct
21	flow_intooduodenum	Char	2	\$2.	\$2.	Observed to be Patent: Flow Into Duodenum
22	group	Num	8			Analytic Group
23	age_fev_d	Num	8			Age at First Evaluation (Days)
24	age_onset_d	Num	8			Age at Disease Onset (Days)
25	weight	Num	8			Weight(kg)
26	height	Num	8			Height(cm)
27	headcir	Num	8			Head Circumference(cm)
28	WAZ	Num	8			Weight by Age Z-score
29	HAZ	Num	8			Height by Age Z-score
30	HCZ	Num	8			Head Circumference Z-Score
31	acholic_stools_3	Num	8			Acholic Stools? (0=Normal; 1=White or Gray; 2=Pale)
32	Facial_fea	Char	6			Facial Features
33	Liver_Pal	Num	8			Liver Edge Palpable? (0=No, 1=Yes)
34	liver_below	Num	8			Liver Edge Below Costal Margin(cm)
35	Spleen_Pal	Num	8			Spleen Palpable? (0=No; 1=Yes)
36	i_bili	Num	8			Indirect Baseline Bilirubin
37	d_bili	Num	8			Direct Baseline Bilirubin

Num	Variable	Type	Len	Format	Informat	Label
38	u_bili	Num	8			Unconjugated Baseline Bilirubin
39	c_bili	Num	8			Conjugated Baseline Bilirubin
40	ct_bili	Num	8			Total Baseline Bilirubin
41	AST	Num	8			Baseline AST
42	ALT	Num	8			Baseline ALT
43	Albumin	Num	8			Baseline Albumin
44	GGTP	Num	8			Baseline GGTP
45	Platelets	Num	8			Baseline Platelets
46	ALK_PHOS	Num	8			Baseline Alkaline Phosphatase
47	tchol	Num	8			Baseline Total Cholesterol
48	GB	Num	8			Gallbladder Categorical (1=Absent, 2=Present, 3=Present Small, 4=Normal)
49	gallbladder_time	Num	8			Time from Birth to Gallbladder Imaging (Days)

Data Set Name: inh_01jul19.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	ChiLDReN_StudyID	Char	50	\$50.	\$50.	ChiLDReN_StudyID
2	sex	Num	8	SEX.	6.	Sex
3	Ethnicity	Num	8	ETHNICITYF.	6.	Ethnicity
4	LiverTxp	Num	8	YN.		Transplant
5	FinalStatus	Num	8	ALLLEAVE.		Final status
6	age_resolved_m	Num	8			Age at resolution (months)
7	outcome	Num	8	OUTCOME.F.		Outcome subgroup
8	race	Num	8	RACEF.		Race
9	age_consent_m	Num	8			Age at enrollment (months)
10	PaleStools	Num	8	YN.		White or pale stools by parent report
11	GestAgeValue	Num	8			Gestational age (weeks)
12	StoolColor	Num	8	STOLCLR.		Stool color on physical exam
13	WithdrawlRsnText	Char	200			Reason for withdrawal
14	DeathCauseText	Char	200			Cause of death on autopsy
15	diuretic	Num	8	YN.		Diuretic use
16	SpecimenType	Num	8	SPECTYP.		Pathology specimen type
17	StagingLshak	Num	8	PRTLFBY.		Staging of portal fibrosis (Ishak)
18	StagingScheuer	Num	8	PRTLFBX.		Staging of portal fibrosis (modified Scheuer)
19	HepatoCellNecrosis2	Num	8	YN.		Hepatocellular necrosis: Many necrotic hepatocytes: Scattered
20	BileProliferation3	Num	8	YN.		Bile duct proliferation: Generalized: Mild
21	MRCPMRIType	Num	8	MRITYP.		MRCP/MRI Type
22	MRIOtherFindings9_Other	Char	200	\$200.		MRI Other significant findings
23	MRIExtraBileResults5_Other	Char	200	\$200.		MRI Extrahepatic bile duct results
24	MRIIntraBileResults3	Num	8	YN.		MRI Intrahepatic bile ducts: Not visualized
25	MRILiverResults6_Other	Char	200	\$200.		MRI Liver results
26	RelAS	Num	8	YN.		Family history: Alagille Syndrome
27	RelHepC	Num	8	YN.		Family history: Hepatitis C
28	RelIC	Num	8	YN.		Family history: Infant cholestasis
29	RelOther	Num	8	YN.		Family history: Other liver diseases
30	RelNH	Num	8	YN.		Family history: Neonatal hepatitis
31	RelPBCirrhosis	Num	8	YN.		Family history: Primary biliary cirrhosis
32	Visit	Char	30	\$30.		Visit
33	ConjBilirubinMgdl	Num	8			Conjugated bilirubin (mg/dl)
34	DirectBilirubinMgdl	Num	8			Direct bilirubin (mg/dl)
35	TotalBilirubinMgdl	Num	8			Total bilirubin (mg/dL)
36	ALTUnitsL	Num	8	BEST12.		ALT (U/L)
37	GGTPUnitsL	Num	8	BEST12.		GGTP (U/L)

Num	Variable	Type	Len	Format	Informat	Label
38	PlateletsCnt	Num	8	BEST12.		Platelets (x10 ⁹ /mm ³)
39	age_labs_m	Num	8			Age at labs/visit (months)
40	age_fs_m	Num	8			Age at final status (months)
41	age_mri_m	Num	8			Age at MRI (months)
42	age_txp_m	Num	8			Age at transplant (months)
43	BirthWeightOz	Num	8			Birth weight (oz)
44	PaleStoolAgeDays	Num	8			Age at onset of white or pale stools (days)

Data Set Name: manuscript_data_25jun19.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	ChiLDReN_StudyID	Char	50	\$50.	\$50.	ChiLDReN_StudyID
2	sex	Num	8	SEX.	6.	Sex
3	LiverTxp	Num	8	YN.		Transplant
4	study	Char	5			Study
5	WeightFailure	Num	8	YN.		Weight growth failure
6	HeightFailure	Num	8	YN.		Height growth failure
7	INR	Num	8	8.1		INR
8	AlbuminGdl	Num	8			Albumin (g/dl)
9	TotalBilirubinMgdl	Num	8			Total bilirubin (mg/dl)
10	ALTUnitsL	Num	8	BEST12.		ALT (U/L)
11	ASTUnitsL	Num	8	BEST12.		AST (U/L)
12	GGTPUnitsL	Num	8	BEST12.		GGTP (U/L)
13	PlateletsCnt	Num	8	BEST12.		Platelet count
14	AscitesHx	Num	8	YN.		History of ascites
15	HPSHx	Num	8	YN.		History of HPS
16	SpleenHx	Num	8	YN.		History of splenomegaly
17	CholangitisHx	Num	8	YN.		History of cholangitis
18	BleedHx	Num	8	YN.		History of GI bleed
19	GIAnomaly	Num	8	YN.		Gastrointestinal anomaly
20	HeartAnomaly	Num	8	YN.		Cardiovascular anomaly
21	asplenia_polysplenia	Num	8	YN.		Asplenia/Polysplenia
22	Antibiotics	Num	8	YN.		Antibiotics
23	Urso	Num	8	YN.		Ursodeoxycholic acid
24	age_kasai_d	Num	8			Age at Kasai (days)
25	race	Num	8	RACEF.		Race
26	hispanic	Num	8	YN.		Hispanic ethnicity
27	TxpDeathEnd	Num	8	YN.		Transplant/death
28	time_to_TxpDeath	Num	8			Time to transplant/death (years)
29	ComboEnd	Num	8	COMBOF.		SE
30	AscitesFirst	Num	8	YN.		First SE was ascites
31	HPSFirst	Num	8	YN.		First SE was HPS
32	BleedFirst	Num	8	YN.		First SE was GI bleed
33	time_to_Combo	Num	8			Time to first sentinel event (years)
34	age_lastfu_y	Num	8			Age last observed (years)
35	age_consent_m	Num	8			Age at consent (months)
36	Death	Num	8	YN.		Death

Data Set Name: surgery_dataset.sas7bdat

Num	Variable	Type	Len	Format	Informat
1	subject_id	Num	8		
2	time_from_birth_to_consent	Num	8		
3	time_to_tx	Num	8		
4	time_to_death	Num	8		
5	time_to_exit	Num	8		
6	time_to_eof	Num	8		
7	race_n	Char	41		
8	gender_n	Char	16		
9	ethnicity_n	Char	16		
10	surgery	Char	18		
11	kasai	Char	8		
12	gest_age	Num	8		
13	age_at_kasai	Num	8		
14	BASM	Num	8		
15	bili_lt_2_3	Num	8		
16	protocol	Num	8		
17	fibrosis_score	Char	3	\$3.	\$3.
18	abdominal_abnormality	Char	2	\$2.	\$2.
19	intestinal_malrotation	Char	2	\$2.	\$2.
20	situs_inversus	Char	2	\$2.	\$2.
21	midline_liver	Char	2	\$2.	\$2.
22	polysplenia	Char	2	\$2.	\$2.
23	asplenia	Char	2	\$2.	\$2.
24	preduodenal_portal_vein	Char	2	\$2.	\$2.
25	other_abnormality	Char	2	\$2.	\$2.
26	ap_dissection	Char	10	\$10.	\$10.
27	lr_dissection	Char	10	\$10.	\$10.
28	ascites	Char	2	\$2.	\$2.
29	ascites_volume	Char	3	\$3.	\$3.
30	cbd_inflamed	Char	2	\$2.	\$2.
31	ohi_type_1	Char	2	\$2.	\$2.
32	ohi_type_2	Char	2	\$2.	\$2.
33	ohi_type_3	Char	2	\$2.	\$2.
34	ohi_subtype_a	Char	2	\$2.	\$2.
35	ohi_subtype_b	Char	2	\$2.	\$2.
36	ohi_subtype_c	Char	2	\$2.	\$2.

Num	Variable	Type	Len	Format	Informat
37	ohi_subtype_d	Char	2	\$2.	\$2.
38	liver_appearance	Char	8		