

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: bayley_ms_saf.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	CTXSBJID	Char	6	\$6.	\$6.	Subject ID
2	protocol	Num	8			Protocol Enrolled
3	gender	Char	2	\$DMGB02MF.		Gender
4	ethnicity	Char	2	\$DMGB03HL.		Ethnicity
5	bayvisit	Char	8			Bayley Visit
6	popt1	Num	8			In Year1 Population
7	popt2	Num	8			In Year2 Population
8	race_c	Char	40			Race Category
9	BASM	Num	8			BASM
10	education	Char	64			
11	age_at_hpe	Num	8			Age at HPE (Years)
12	month12_waz	Num	8			month12 Weight Z-score
13	month12_haz	Num	8			month12 Height Z-score
14	month24_waz	Num	8			month24 Weight Z-score
15	month24_haz	Num	8			month24 Height Z-score
16	month12_bili	Num	8			month12 Bilirubin (TB, I+D, U+C)
17	month24_bili	Num	8			month24 Bilirubin (TB, I+D, U+C)
18	month12_inr	Num	8			Month 12 INR
19	month24_inr	Num	8			Month 24 INR
20	month12_platelets	Num	8			Month 12 Platelets
21	month24_platelets	Num	8			Month 24 Platelets
22	ascites_12months	Num	8			Month 12 Ascites
23	ascites_24months	Num	8			Month 24 Ascites
24	cholangitis_12months	Num	8			Month 12 Cholangitis
25	cholangitis_24months	Num	8			Month 24 Cholangitis
26	sbp_12months	Num	8			Month 12 Spontaneous bacterial peritonitis
27	sbp_24months	Num	8			Month 24 Spontaneous bacterial peritonitis
28	gibleed_12months	Num	8			Month 12 GI Bleed
29	gibleed_24months	Num	8			Month 24 GI Bleed
30	motor3_cont	Num	8			Motor Score Bayley III
31	lang3_cont	Num	8			Language Score Bayley III
32	cog3_cont	Num	8			Cognitive Score Bayley III
33	mental2_cont	Num	8			Mental Score Bayley II
34	phy2_cont	Num	8			Physical Score Bayley II
35	success	Num	8			Successful HPE
36	age_at_testing	Num	8			Age at Testing (Months)

Num	Variable	Type	Len	Format	Informat	Label
37	lowplatelets	Num	8			Month12 Thrombocytopenia
38	lowplatelets2	Num	8			Month24 Thrombocytopenia

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	BLEEENDF.	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: bileacids_niddk_21dec2022.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	study	Char	5			Study
2	TBiliM6	Num	8			Total bilirubin (mg/dl), 6 months
3	CBiliM6	Num	8			Conjugated bilirubin (mg/dl), 6 months
4	sex	Num	8	SEX.		Sex
5	Ethnicity	Num	8	HISPANICF.		Ethnicity
6	LiverTxp	Num	8	YN.		Liver transplant
7	ParticipantID	Char	25	\$25.		De-Identified Subject ID
8	RaceDSMB	Num	8	RACEFMTDSMB.		Race
9	TREATMENT	Char	15	\$15.	\$15.	START treatment arm
10	basM	Num	8	YN.		BASM
11	wazM6	Num	8			Weight z-score, 6 months
12	hazM6	Num	8			Height z-score, 6 months
13	SpleenSizeM6	Num	8	BEST12.		Spleen size (cm), 6 months
14	wazY2	Num	8			Weight z-score, year 2
15	hazY2	Num	8			Height z-score, year 2
16	SpleenSizeY2	Num	8	BEST12.		Spleen size (cm), year 2
17	BileAcidsM6	Num	8			Serum bile acids (umol/L), 6 months
18	UBiliM6	Num	8			Unconjugated bilirubin (mg/dl), 6 months
19	ASTM6	Num	8	BEST12.		AST (U/L), 6 months
20	ALTM6	Num	8	BEST12.		ALT (U/L), 6 months
21	GGTPM6	Num	8	BEST12.		GGTP (U/L), 6 months
22	PlateletsM6	Num	8	BEST12.		Platelet count, 6 months
23	NaM6	Num	8	BEST12.		Sodium (mmol/L), 6 months
24	INRM6	Num	8	BEST12.		INR, 6 months
25	AlbuminM6	Num	8			Albumin (g/dl), 6 months
26	VitDM6	Num	8			Vitamin D (D25OH) (ng/ml), 6 months
27	INRY2	Num	8	BEST12.		INR, year 2
28	AlbuminY2	Num	8			Albumin (g/dl), year 2
29	BileAcidsY2	Num	8			Serum bile acids (umol/L), year 2
30	CBiliY2	Num	8			Conjugated bilirubin (mg/dl), year 2
31	TBiliY2	Num	8			Total bilirubin (mg/dl), year 2
32	UBiliY2	Num	8			Unconjugated bilirubin (mg/dl), year 2
33	VitDY2	Num	8			Vitamin D (D25OH) (ng/ml), year 2
34	ALTY2	Num	8	BEST12.		ALT (U/L), year 2
35	ASTY2	Num	8	BEST12.		AST (U/L), year 2
36	GGTPY2	Num	8	BEST12.		GGTP (U/L), year 2
37	NaY2	Num	8	BEST12.		Sodium (mmol/L), year 2

Num	Variable	Type	Len	Format	Informat	Label
38	PlateletsY2	Num	8	BEST12.		Platelet count, year 2
39	CholangitisHx	Num	8	YN.		History of cholangitis
40	BleedHx	Num	8	YN.		History of GI bleed
41	FractureHx	Num	8	YN.		History of fracture
42	Ascites	Num	8	YN.		Ascites
43	Cholangitis	Num	8	YN.		Cholangitis
44	Bleed	Num	8	YN.		GI bleed
45	Fracture	Num	8	YN.		Fracture
46	Spleno	Num	8	YN.		Splenomegaly
47	Thrombo	Num	8	YN.		Thrombocytopenia
48	UrsoM6	Num	8	YN.		Ursodeoxycholic acid use, 6 months
49	UrsoY2	Num	8	YN.		Ursodeoxycholic acid use, year 2
50	TSBA_Measured	Num	8			Bile acids (umol/L), measured in sample
51	TCA	Num	8	15.2		TCA (umol/L)
52	TUDCA	Num	8	15.2		TUDCA (umol/L)
53	TCDC	Num	8	15.2		TCDC (umol/L)
54	TDCA	Num	8	15.2		TDCA (umol/L)
55	TLCA	Num	8	15.2		TLCA (umol/L)
56	GCA	Num	8	15.2		GCA (umol/L)
57	GUDCA	Num	8	15.2		GUDCA (umol/L)
58	GCDCA	Num	8	15.2		GCDCA (umol/L)
59	GDCA	Num	8	15.2		GDCA (umol/L)
60	GLCA	Num	8	15.2		GLCA (umol/L)
61	DCA	Num	8	15.2		DCA (umol/L)
62	LCA	Num	8	15.2		LCA (umol/L)
63	T_G	Num	8	BEST.		T/G (umol/L)
64	CA	Num	8	15.2		CA (umol/L)
65	CDCA	Num	8	15.2		CDCA (umol/L)
66	UDCA	Num	8	15.2		UDCA (umol/L)
67	Conj_CA	Num	8	15.2		Conj CA (umol/L)
68	Conj_CDCA	Num	8	15.2		Conj CDCA (umol/L)
69	Conj_UDCA	Num	8	15.2		Conj UDCA (umol/L)
70	Unconj_Conj_CA	Num	8	COMMA15.7		Unconj/Conj CA (umol/L)
71	Unconj_Conj_CDCA	Num	8	COMMA15.7		Unconj/Conj CDCA (umol/L)
72	Unconj_Conj_UDCA	Num	8	COMMA15.7		Unconj/Conj UDCA (umol/L)
73	TCA_GCA	Num	8	BEST.		TCA/GCA (umol/L)
74	TCDC_GCDCA	Num	8	BEST.		TCDC/GCDCA (umol/L)
75	TUDCA_GUDCA	Num	8	BEST.		TUDCA/GUDCA (umol/L)
76	age_hpe_d	Num	8			Age at KP (days)

Num	Variable	Type	Len	Format	Informat	Label
77	TxpDeath	Num	8	YN.		Transplant/death
78	BSL_TxpDeath_m	Num	8			Time from bile acids measurement to transplant/death (months)
79	HPE_TxpDeath_m	Num	8			Time from KP to transplant/death (months)
80	AscitesBSL	Num	8	YN.		Ascites at 6 months post-KP
81	SplenoBSL	Num	8	YN.		Splenomegaly at 6 months post-KP
82	ThromboBSL	Num	8	YN.		Thrombocytopenia at 6 months post-KP
83	CEPHBSL	Num	8	YN.		CEPH at 6 months post-KP
84	BSL_AscitesEnd_m	Num	8			Time from bile acids measurement to new onset ascites (months)
85	HPE_AscitesEnd_m	Num	8			Time from KP to new onset ascites (months)
86	AscitesEnd	Num	8	ENDF.		Ascites (endpoint)
87	BSL_SplenoEnd_m	Num	8			Time from bile acids measurement to new onset splenomegaly (months)
88	HPE_SplenoEnd_m	Num	8			Time from KP to new onset splenomegaly (months)
89	SplenoEnd	Num	8	ENDF.		Splenomegaly (endpoint)
90	BSL_ThromboEnd_m	Num	8			Time from bile acids measurement to new onset thrombocytopenia (months)
91	HPE_ThromboEnd_m	Num	8			Time from KP to new onset thrombocytopenia (months)
92	ThromboEnd	Num	8	ENDF.		Thrombocytopenia (endpoint)
93	BSL_CholangitisEnd_m	Num	8			Time from bile acids measurement to cholangitis (months)
94	HPE_CholangitisEnd_m	Num	8			Time from KP to cholangitis (months)
95	CholangitisEnd	Num	8	ENDF.		Cholangitis (endpoint)
96	BSL_BleedEnd_m	Num	8			Time from bile acids measurement to GI bleed (months)
97	HPE_BleedEnd_m	Num	8			Time from KP to GI bleed (months)
98	BleedEnd	Num	8	ENDF.		GI Bleed (endpoint)
99	BSL_FractureEnd_m	Num	8			Time from bile acids measurement to fracture (months)
100	HPE_FractureEnd_m	Num	8			Time from KP to fracture (months)
101	FractureEnd	Num	8	ENDF.		Fracture (endpoint)
102	CEPH	Num	8	YN.		CEPH
103	BSL_CEPHEnd_m	Num	8			Time from bile acids measurement to new onset CEPH (months)
104	HPE_CEPHEnd_m	Num	8			Time from KP to new onset CEPH (months)
105	CEPHEnd	Num	8	ENDF.		CEPH (endpoint)

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: histopath_manuscript.sas7bdat

Num	Variable	Type	Len	Format	Label
1	SubjectID	Char	7		
2	BA	Num	8	BA.	Biliary atresia
3	tx_flag	Num	8		Transplant
4	bile_duct_paucity	Num	8	NOYESF.	Bile Duct Paucity
5	DPM	Num	8	ABSENT1F.	Ductal Plate Configuration
6	ductular_reaction_cat	Num	8	DUCTULAR_REACTION_CATF.	Ductular reaction
7	ductular_reaction	Num	8	ABSENTFOCALF.	Ductular reaction
8	bile_duct_proliferation	Num	8	ABSENTFOCALF.	Bile duct proliferation
9	visible_bile_plugs_ducts	Num	8	NOYESF.	Visible duct and ductular bile plugs
10	age_d	Num	8		Age at biopsy (days)
11	fibrosis_cat	Num	8	FIBROSIS_CATF.	Degree of fibrosis (modified Scheuer)
12	lobular_fibrosis	Num	8	LOBULAR_FIBROSISF.	Lobular fibrosis
13	lobular_fibrosis_cat	Num	8	LOBULAR_FIBROSIS_CATF.	Lobular fibrosis
14	giant_cell_transformation_cat	Num	8	GIANT_CELL_TRANSFORMATION_CATF.	Giant cell transformation
15	giant_cell_nec	Num	8	GIANT_CELL_NECF.	Giant cell necrosis
16	portal_tract_cellular	Num	8	ABSENTFOCALF.	Portal tract cellular infiltrates
17	average_intensity_neutrophils	Num	8	ABSENTFOCALF.	Average intensity of neutrophils
18	interlob_bile_duct_injury_cat	Num	8	INTERLOB_BILE_DUCT_INJURY_CATF.	Interlobular bile duct injury
19	acute_cholangitis	Num	8	ACUTE_CHOLANGITISF.	Acute cholangitis
20	macrosteatosis_cat	Num	8	MACROSTEATOSIS_CATF.	Macrosteatosis
21	pseudorosette_formations_cat	Num	8	PSEUDOROSETTE_FORMATIONS_CATF.	Pseudorosette formations
22	lobular_emh_cat	Num	8	LOBULAR_EMH_CATF.	Lobular EMH
23	goodbili	Num	8		Bile drainage at 6 months
24	age_k	Num	8		Age at Kasai/HPE (days)
25	event	Num	8		Event indicator for time-to-event analyses
26	sensor	Num	8		Censor for median fu calculation
27	time_to_event	Num	8		Fu time
28	alkphos_init	Num	8		Alkaline phosphatase
29	INR_init	Num	8		International normalized ratio (INR)
30	dx_final	Char	50		Diagnosis
31	biopsy_type	Num	8	BIOP_TYPEF.	Biopsy type
32	death_pretx	Num	8		Death prior to transplant
33	analysis_group	Num	8	ANALYSIS_GROUPF.	In which analysis group?
34	male	Num	8		
35	race_cat	Num	8	RACE_CATF.	Race
36	race_cat2	Num	8	RACE_CAT2F.	Race
37	white	Num	8		

Num	Variable	Type	Len	Format	Label
38	hispanic	Num	8		
39	extrahepatic_ano	Num	8	EXTRAHEPATIC_ANOF.	Extrahepatic anomalies
40	ohi	Num	8	OHIF.	Ohi Subtype at HPE
41	trt	Num	8	TRTF.	Treatment/Study
42	portal_tracts	Num	8		# of portal tracts
43	portal_tracts_cat1	Num	8	PORTAL_TRACTS_CAT1F.	# of portal tracts
44	portal_tracts_cat2	Num	8	PORTAL_TRACTS_CAT2F.	# of portal tracts
45	fibrosis	Num	8	FIBROSISF.	Degree of fibrosis (modified Scheuer)
46	interlob_bile_duct_injury	Num	8	INTERLOB_BILE_DUCT_INJURYF.	Interlobular bile duct injury
47	periductal_fibrosis	Num	8	ABSENT1F.	Periductal fibrosis
48	pseudorosette_formation	Num	8	ABSENT1F.	Pseudorosette formations
49	hepatocytes	Num	8	ABSENT1F.	Regional non-zonal variability in hepatocyte cytoplasmic volume
50	portal_edema	Num	8	PORTAL_EDEMAF.	Portal tract (stromal) edema
51	hepatocellular_swelling	Num	8	ABSENT2F.	Hepatocellular swelling
52	macrosteatosis	Num	8	ABSENT2F.	Macrosteatosis
53	microsteatosis	Num	8	ABSENT2F.	Microsteatosis
54	giant_cell_transformation	Num	8	ABSENT3F.	Giant cell transformation
55	clusters_red_hepatocytes	Num	8	ABSENT3F.	Clusters of coarsely granular red hepatocytes
56	aggregates_macrophages	Num	8	ABSENT3F.	Compact aggregates of bile stained macrophages within portal tracts
57	aggregates_Kupffer_cells	Num	8	ABSENT3F.	Compact aggregates of bile stained Kupffer cells in zone 1
58	lobular_emh	Num	8	LOBULAR_EMHF.	Lobular EMH
59	mononuclear_inflammation	Num	8	MONONUCLEAR_INFLAMMATIONF.	Lobular mononuclear inflammation
60	hepatocellular_necrosis	Num	8	HEPATOCELLULAR_NECROSISF.	Hepatocellular necrosis
61	mononuclear_inflammatory_cells	Num	8	MONONUCLEAR_INFLAMMATORY_CELLSF.	Mononuclear inflammatory cells in bile duct epithelium
62	assignment	Num	8	ASSIGNMENTF.	Histologic Assignment

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	OUTCOMEFL.		Outcome subgroup
8	race	Num	8	RACEFL.		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: start_growth_25oct18.sas7bdat

Num	Variable	Type	Len	Format	Informat	Label
1	age_hpe_d	Num	8			Age at HPE (days)
2	tx_flag	Num	8	YN.		Transplant
3	BASM	Num	8	YN.		BASM
4	race	Num	8	RACECATF.		Race
5	ethnicity	Num	8	ETHF.		Ethnicity
6	success	Num	8	SUCCESSF.		HPE Outcome
7	died_tx	Num	8	YN.		Death or Transplant
8	sex	Num	8	SEX.		Sex
9	steroid	Num	8	STEROIDF.		Treatment Group
10	children_studyid	Char	8	\$8.	\$50.	De-Identified Subject ID
11	visit	Num	8	VISITF.		Visit
12	age_visit_d	Num	8			Age at visit (days)
13	waz	Num	8			Weight z-score
14	headcz	Num	8			Head circumference z-score
15	haz	Num	8			Length z-score
16	whz	Num	8			Weight-for-length z-score
17	weightflag	Num	8	YN.		Weight biologically implausible
18	heightflag	Num	8	YN.		Length biologically implausible
19	headflag	Num	8	YN.		Head circumference biologically implausible
20	wfhflag	Num	8	YN.		Weight-for-length biologically implausible
21	armcz	Num	8			Mid-arm circumference z-score
22	tsfz	Num	8			Triceps skinfold thickness z-score
23	armflag	Num	8	YN.		Mid-arm circumference biologically implausible
24	skinflag	Num	8	YN.		Triceps skinfold thickness biologically implausible
25	waz_hpe	Num	8			Weight z-score at HPE
26	haz_hpe	Num	8			Length z-score at HPE
27	weightkg_hpe	Num	8			Weight at HPE (kg)
28	height_diff_flag	Num	8	YN.		Length z-score difference over time >= 1, exclude from longitudinal analysis
29	head_diff_flag	Num	8	YN.		Head circumference z-score difference over time >= 1, exclude from longitudinal analysis
30	feed	Num	8	FEEDF.		Nutrition Method
31	vitaminD_def	Num	8	DEF.		Vitamin D Deficiency

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		