

Extract By Encounter Type

Encounter: PSO Screen

Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
AChE bands	MMMSS0100	Indication of presence of AChE (acetylcholinesterase) bands in amniotic fluid. Results received from Winnipeg are reported as Normal, Faint Fast Band, 1+ Fast Band, 2+ Fast Band, 3+ Fast Band, 4+ Fast Band or Pending. Results received from Boston are detectable AChE or Non-detectable AChE.		
Adjusted AFP MoM	PNS10010	Adjusted MoM value of second trimester maternal serum AFP. Not in the current PNS lab feed.		
Adjusted DIA MoM	PNS10013	Adjusted MoM value of second trimester maternal serum DIA. Not in the current PNS lab feed.		
Adjusted Fβ-hCG MoM	PNS10015	Adjusted MoM value of first trimester maternal serum Fβ-hCG. Not in the current PNS lab feed.		
Adjusted hCG MoM	PNS10012	Adjusted MoM value of second trimester maternal serum hCG. Not in the current PNS lab feed.		
Adjusted PAPP-A MoM	PNS10014	Adjusted MoM value of first trimester maternal serum PAPP-A. Not in the current PNS lab feed.		
Adjusted T-1T total hCG MoM	PNS10016	Adjusted MoM value of first trimester maternal serum total hCG. Not in the current PNS lab feed.		
Adjusted uE3 MoM	PNS10011	Adjusted MoM value of second trimester maternal serum uE3. Not in the current PNS lab feed.		
AFP assay date	MMMSS0119	Date of AFP measurement		
AFP level	MMMSS0011	Reported measurement level of alpha-fetoprotein (AFP) assay result based on maternal serum screen and fluid test		
AFP MoM	MMMSS0033	Multiples of the median level of alpha-fetoprotein (AFP).		
Age at EDD (decimal)	D0088	Maternal age at EDD with one decimal		
Chorionic sacs	PSOCRNSAC	Chorionic sacs (Serum)		
Chorionicity (PSO)	PSOCHORION		1 chorion	

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
Chorionicity (PSO)	PSOCHORION		2 chorion	
			3 chorion	
			4 chorion	
			Unknown	
Date of egg collection	MMMSS0133	Date donor's egg was collected		
Date of embryo transfer	D0037	The date that the embryo transfer occurred as recorded on the prenatal screening requisition		
Date of first Sample Received	MMMSS0074	Calendar day, month, year that the first sample was received by the prenatal screening laboratory.		
Date of GA by scan	PS0004	Date on which GA was determined by scan		
Date of NT Measurement	D0029	Date of NT Measurement		
Date of PSO 1st sample	MMMSS0007	Date (day, month, year) of first sample collection in standard date format.		
Date of PSO 2nd sample	MMMSS0008	Date (day, month, year) of second sample collection in standard date format.		
Date of PSO Scan	MMMSS003	Date (calendar day, month, year) of ultrasonography used for interpretation.		
Date of second Sample Received	D0038	Calendar day, month, year that the second sample was received by the prenatal screening laboratory.		
Date PSO entered	MMMSS0143	Date woman's information is entered in the screening software		
Date PSO reported	MMMSS0029	Date (calendar day, month, year) PSO result report is issued using standard date format.		
Dates Gestational Age (GA) at First PSO Sample	F0015	Gestational age in days determined by calculation of last normal menstrual period dates at date first Maternal Multiple Marker Serum Screen sample is obtained.		
Dates Gestational Age (GA) at Second PSO Sample	F0017	Gestational age in days determined by calculation of last normal menstrual period dates at date second Maternal Serum sample is obtained.		

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
Delta NT	MMSS0138	Delta value of NT		
Delta NT 2	MMSS0139	Delta value of NT of the second fetus of a twin pregnancy		
DIA assay date	MMSS0122	Date of DIA measurement		
DIA level	MMSS0023	Measurement of dimeric inhibin A (DIA) assay result (unadjusted). (Cunningham, 2005)		
DIA MoM	MMSS0045	Measurement of dimeric inhibin A (DIA) expressed as a multiple of the mean (MoM). (Cunningham, 2005)		
Doctor	R0009	This is the first doctor's name on the requisition form.		
Doctor 2	R0010	This is the second doctor's name on the requisition form.		
Doctor 3	D0030	This is the third doctor's name on the requisition form.		
Donor age at EDD	D0036	The age at EDD of the egg donor as recorded on the prenatal screening requisition		
Donor date of birth	D0035	The date of birth of the egg donor as recorded on the prenatal screening requisition		
Down syndrome prior risk	MMSS0112	Age related Down syndrome risk		
Down Syndrome Prior Risk (unrounded)	MMSS0049	Mother's calculated age related risk for Down syndrome (unrounded).		
Down Syndrome Risk	MMSS0051	Term risk of Down Syndrome estimated by multiplying maternal age related risk by a likelihood ratio determined by the measurement of her screening markers. (Cunningham, 2005)		
Down Syndrome risk (twin 2)	R0008	Risk for Down syndrome, twin fetus 2		
Down Syndrome Risk (unrounded)	MMSS0052	Term risk of Down Syndrome estimated in unrounded form. Down Syndrome risk is obtained by multiplying maternal age related risk by a likelihood ratio determined by the measurements of her screening markers. (Cunningham, 2005)		
Down syndrome risk cut-off	PSODSREFR	Down syndrome risk cut-off		

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
Down Syndrome Risk LHS	MMSS0053	Term risk of Down Syndrome (Numerator part of Down Syndrome risk estimation).		
Down Syndrome Risk RHS(unrounded)	MMSS0055	Term risk of Down Syndrome calculated from right hand side of the maternal age specific risk and multiplied by the likelihood ratio expressed as an unrounded figure. (Cunningham, 2005)		
EDB Determined By	NEW0005	Method by which the estimated date of birth was determined for prenatal screening	Last menstrual period	
			1st trimester dating ultrasound	
			2nd trimester ultrasound	
			Assisted reproductive technology	
			Obstetrical clinical estimate (includes S-F height)	
			Unknown	
EDD (calculated)	PS0009	EDD calculated by the screening software		
Estimated Date of Birth (EDB)	F0001	Best estimate of date of birth determined by ultrasound or mathematical calculation using Nägele's rule. Same as EDC and EDD. EDB is the preferred term.		
FB-hCG MoM	MMSS0041	Measurement of free beta subunit of human chorionic gonadotropin Fβ-hCG expressed as a multiple of the mean (MoM). (Cunningham, 2005)		
Fetus ID	PS0011	Fetal ID of a multiple pregnancy	Fetus A	
			Fetus B	
			Fetus C	
			Fetus D	
			Fetus E	
			Fetus F	
			Fetus G	
			Fetus H	
			Fetus I	

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
Fetus ID	PS0011	Fetal ID of a multiple pregnancy	Fetus J	
First trimester total hCG MoM	MMMSS0115	Measurement of first trimester human chorionic gonadotrophin expressed at MOM		
First trimester total hCG assay date	MMMSS0125	Date of 1st trimester total hCG measurement		
First trimester trimester total hCG level	MMMSS0114	Measurement of first trimester human chorionic gonadotrophin		
Fβ-hCG assay date	MMMSS0124	Date of Fβ-hCG measurement		
Fβ-hCG level	MMMSS0019	Measurement of free β human chorionic gonadotrophin (Fβ-hCG) assay result (unadjusted). (Cunningham, 2005)		
GA (Gestational Age) by dates	F0007	Gestational age in days determined using dates of last normal menstrual period.		
Gestational Age (GA) by scan	F0005	Gestational age (GA) in days determined by ultrasound (US).		
hCG level	MMMSS0015	Reported total level of human chorionic gonadotrophin (hCG) assay result. (Cunningham, 2005)		
hCG MoM	MMMSS0037	Serum human chorionic gonadotropin (HCG) level measured in nanograms per millilitre and reported as a multiple of the median (MoM) of the unaffected population. (Cunningham, 2005)		
Insulin dependent diabetes mellitus at prenatal screening	M0027	An indication that a women had insulin dependant diabetes prior to pregnancy as recorded on the prenatal screening requisition		
IVF	D0034	Indication of whether or not the screened pregnancy is an IVF pregnancy		
Last Menstrual Period Date	M0041	The date (day, month, year) of the first day of mother's last known menstrual period. (Cunningham, 2005)		
Maternal Ancestry PSO	PS0013	Mother's Aboriginal background (recorded by prenatal screening program) to identify the patient as a member of a specific Aboriginal group.	First Nation	
			East Asian	
			Asian	Description: Indian, Pakistani, Bangladeshi
			Black	Description: African, Caribbean, African-American

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
Maternal Ancestry PSO	PS0013	Mother's Aboriginal background (recorded by prenatal screening program) to identify the patient as a member of a specific Aboriginal group.	Caucasian	Description: European, Middle Eastern, North African, Hispanic
			Other	
			Unknown	
Maternal Birth Date PSO	PS0012	Woman's date of birth (recorded by prenatal screening program)		
Maternal Canadian Postal Code at Conception	M0006	The postal code of mother's usual or permanent address closest to the time of conception.		
Maternal City/Town at Conception	M0007	The city or municipality of the mother's mailing or permanent address closest to conception		
Maternal Date of Birth	M0004	Mother's date of birth in the format of day, month, year		
Maternal Health Card Number	M0001	Maternal Ontario Health Insurance Plan (OHIP) Number without version code. Other Number Type when OHIP is not available (for example, RAMQ)		
Maternal Name - Family Name	M0003	Maternal Name - Family Name as it appears on official maternal Health Card. If not available, full legal name.		
Maternal Weight 1st Trimester in KG	M0044	Mother's weight recorded at the time of Maternal Multiple Marker Screen(measured in kilograms).		
Maternal Weight 2nd Trimester in KG	MMMSS0118	Maternal Weight at the second PSO sample		
MS-AFP (1T) Assay Date	MMMSS0157	MS-AFP (1T) Assay Date		
MS-AFP (1T) level	MMMSS0154	MS-AFP (1T) level		
MS-AFP (1T) MoM	MMMSS0155	MS-AFP (1T) MoM		
MS-AFP (1T) MoM adjusted	MMMSS0156	MS-AFP (1T) MoM adjusted		
MSSS Free Text	PS0014			

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
NT level	MMSS0017	Measurement of the nuchal translucency (NT), an echolucent area seen in longitudinal views of the back of the neck on ultrasound reported in millimeters. (Cunningham, 2005)		
NT level (twin 2)	R0013	NT measurement (mm) of fetus 2 for twins for monozygotic pregnancy		
NT MoM	MMSS0039	Measurement of the nuchal translucency (NT), an echolucent area seen in longitudinal views of the back of the neck on ultrasound expressed as a multiple of the mean (MoM) NT can be combined with serum analytes to calculate a composite risk for Down Syndrome. (Cunningham, 2005)		
NT MoM (twin 2)	R0005	Multiple of median of NT of 2nd fetus for monozygotic pregnancy		
NTD prior risk	MMSS0111	NTD population risk		
NTD prior risk (unrounded)	MMSS0057	Background risk of an open Neural Tube Defect (NTD).		
NTD risk	MMSS0059	Calculated risk of an open neural tube defect (NTD).		
NTD risk (unrounded)	MMSS0060	Calculated maternal risk of neural tube defects expressed as an unrounded figure.		
NTD risk cut-off	PSONTDREFR	NTD risk cut-off		
NTD risk LHS	MMSS0061	Numerator part of open Neural Tube Defect (NTD) risk estimation.		
NTD risk RHS (unrounded)	MMSS0063	Risk of an open neural tube defect (NTD) calculated from right hand side of the likelihood ratio, expressed as an unrounded figure (Cunningham, 2005).		
Number of Fetuses	FAN0007	Number of fetuses in the current pregnancy. For Prenatal Screening Follow Up encounters, this field refers to the number of fetuses that the prenatal screening result was based on.	1	
			2	
			3	
			4	

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
Number of Fetuses	FAN0007	Number of fetuses in the current pregnancy. For Prenatal Screening Follow Up encounters, this field refers to the number of fetuses that the prenatal screening result was based on.	5	
			6	
			7	
			8	
			Unknown	
Oral contraceptive use	MMMSS0132	Indication of oral contraception use before and/or during pregnancy		
PAPP-A assay date	MMMSS0123	Date of PAPP-A measurement		
PAPP-A level	MMMSS0021	Measurement of pregnancy-associated plasma protein A (PAPP-A) assay result (unadjusted). (Cunningham, 2005)		
PAPP-A MoM	MMMSS0043	Measurement of pregnancy-associated plasma protein A (PAPP-A) expressed as a multiple of the mean (MoM). (Cunningham, 2005)		
PIGF (1T) Assay Date	MMMSS0153	PIGF (1T) Assay Date		
PIGF (1T) level	MMMSS0150	PIGF (1T) level		
PIGF (1T) MoM	MMMSS0151	PIGF (1T) MoM		
PIGF (1T) MoM adjusted	MMMSS0152	PIGF (1T) MoM adjusted		
positive for Down syndrome	MMMSS0135	Screening result is positive for Down syndrome. Calculated value indicating if a women's prenatal screening result is positive/negative for Down Syndrome		
Positive for ONTD	MMMSS0136	Screening result is positive for ONTD. Calculated value indicating if a women's prenatal screening result is positive/negative for ONTD		
Positive for Trisomy 18	MMMSS0137	Screening result is positive for Trisomy 18. Calculated value indicating if a women's prenatal screening result is positive/negative for Trisomy 18		

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
Prev chrom	PNS10017	An indication of whether there has been fetal chromosome studies in the current pregnancy as indicated by the prenatal screening laboratory		
PSO Additional Info 1	PS0005	Note spare fields could be used for different info in serum and fluid dataset (e.g. spare 4 (serum dataset) and spare 3 (fluid dataset) are used to identify counselling centres at one lab)		
PSO Additional Info 2	PS0006			
PSO Additional Info 3	PS0007			
PSO Additional Info 4	PS0008			
PSO collection centre	MMSS0104	Unique ID of PSO sample collection lab		
PSO Machine Number	MMSS0072	Unique assigned Ultrasound Machine Number.		
PSO Multiples Identifier	PSOMULTID			
PSO Positivity	MMSS0047	An indication of whether the result was positive, negative or uninterpretable for the anomalies screened for		
PSO Record number	MMMS001	Unique identification number assigned to a test for Maternal Multiple Marker Serum Screen and fluid test record.		
PSO Repeat Flag	MMSS0097	Indication that a flag or alert has been placed on a Maternal Multiple Marker Screening Test that it is a repeat test.		
PSO Scan Centre Name	D0032	Unique ID of U/S Scan centre where PSO dating U/S done		
PSO Scan measurement BPD	MMSS0003BPD			
PSO Scan measurement BPD Twin 2	MMSS0004BPD			
PSO Scan measurement CRL	MMSS0003CRL			
PSO Scan measurement CRL Twin 2	MMSS0004CRL			

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
PSO Screening Procedure (Fluid or Serum)	PS0001	Defines the type of PSO Screening. Values are Fluid and Serum		
PSO specimen number	MMMSS0010			
PSO specimen number- 2nd sample	D0031	SERUM only: Specimen number of the second sample or second trimester sample assigned by the individual screening lab. PSO MSH lab: specimen number assigned to second trimester samples; Other PSO labs (except for PSO NYGH lab): specimen number of the second sample received by the laboratory (eg IPS2)		
PSO Testing Centre	MMMSS0083	Unique identification number and name of testing centre (lab) where PSO specimen has been analyzed.		
Reason for Amniocentesis	MMMSS0078	Primary indication for amniocentesis as recorded by the PSO Screening Lab. Options include: advanced maternal age, increased risk of Down Syndrome, Trisomy 18 Syndrome, or open neural tube defect (NTD).	Raised MS-AFP	
			Suspicion of NTD on ultrasound	
			Previous suspicious AF-AFP/ACHE	
			Family history of NTD	
			Increased risk of Down syndrome	
			Unrelated to NTD or Down syndrome risk	
			Advanced maternal age	
			Abnormal ultrasound finding	
			Increased risk for Trisomy 18	
Red blood cells	MMMSS0117	An indication of whether the amniotic fluid is visibly contaminated with red blood cells		
Report address	MMMSS0126	Address for screening result		
Report address 2	MMMSS0127			
Report address 3	MMMSS0128			

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
Sample appearance	MMMSS0116	The appearance of amniotic fluid sample: Clear; Cloudy; Frankly bloodstained; Significantly discoloured	Clear	
			Cloudy	
			Frankly bloodstained	
			Significantly discolored	
Scan Gestational Age (GA) at First PSO sample	F0014	Gestational age in days determined by Ultrasound (US) at date second Maternal Multiple Marker Serum Screen sample is obtained.		
Scan Gestational Age (GA) at Second PSO sample	F0016			
Second trimester total hCG assay date	MMMSS0121	Date of 2nd trimester total hCG measurement		
SLOS prior risk	MMMSS0105	SLOS population risk		
SLOS prior risk (unrounded)	MMMSS0106	SLOS population risk unrounded		
SLOS risk	MMMSS0107	SLOS risk		
SLOS risk (unrounded)	MMMSS0108	SLOS unrounded		
SLOS risk LHS	MMMSS0109	Numerator part of term Trisomy SLOS risk calculation.		
SLOS risk RHS (unrounded)	MMMSS0110	Denominator part of term Trisomy SLOS risk calculation.		
Smoking (PSO)	MMMSS0030	An indication that a women smoked at time of conception as recorded on the prenatal screening requisition		
Sonographer	MMMSS0006	Prenatal Screening Ontario-assigned unique identification code for the sonographer performing Nuchal Translucency Measurement.		
Sonographer coefficient set A from ALPHA	D0033	Sonographer coefficient set used for generating NT sonographer specific curve		
Sonographer coefficient set B from ALPHA	PS0010	B value of a sonographer's coefficient set		

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
Sonographer coefficient set P0	PSOSONP0	Sonographer coefficient set P0		
Sonographer coefficient set P1	PSOSONP1	Sonographer coefficient set P1		
Sonographer coefficient set P2	PSOSONP2	Sonographer coefficient set P2		
Termination of Pregnancy	PS0015	Termination of pregnancy indicated by Lab feeds	Fetal Demise	
			Fetal Demise - Triplet	
			Fetal Demise - Twin	
			Fetal Demise - Twin A	
			Fetal Demise - Twin B	
			Miscarried	
			Termination	
Test panel ID	PSOTSTPANID	Test panel ID (Provided by MSH)		
Test panel Name	PSOTSTPANNM	Test panel Name (Provided by MSH)		
Trisomy 18 prior risk	MMMSS0113	Age related Trisomy 18 risk		
Trisomy 18 prior risk (unrounded)	MMMSS0065	Maternal age related risk of Trisomy 18		
Trisomy 18 risk	MMMSS0067	Calculated term risk of Trisomy 18.		
Trisomy 18 risk (unrounded)	MMMSS0068	Calculated maternal risk of Trisomy 18 expressed as an unrounded figure.		
Trisomy 18 risk cut-off	PSOTR18DREFR	Trisomy 18 risk cut-off		
Trisomy 18 risk LHS	MMMSS0069	Numerator part of term Trisomy 18 risk calculation.		

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
Trisomy 18 risk RHS (unrounded)	MMSS0071	Term risk of Trisomy 18 calculated from right hand side of the maternal age specific risk and multiplied by the likelihood ratio, expressed as an unrounded figure. (Cunningham, 2005)		
Type of screening	MMSS0134	Type of prenatal screening (e.g. integrated prenatal screening, first trimester screening, quad screening, etc).	FTS with Free β -hCG	
			FTS with Total hCG	
			4-marker FTS	
			NT Only	
			IPS	
			SIPS	
			NT+QUAD	
			MSS QUAD	
			MS-AFP	
			2-Marker FTS (Free β -hCG, PAPP-A)	
			2-Marker FTS (NT, Free β -hCG)	
			2-Marker FTS (NT, PAPP-A)	
			2-Marker FTS (Total hCG, PAPP-A)	
			2-Marker FTS (NT, Total hCG)	
			4-Marker IPS without NT	
			4-Marker IPS without PAPP-A	
			IPS6	
			Triple Test	
			PAPP-A Only	
			AF-AFP	
			Other Uncommon Tests	

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Data Element Name	BORN ID	Data Element Definition	Pick List Value	Pick List Definition
Type of screening	MMSS0134	Type of prenatal screening (e.g. integrated prenatal screening, first trimester screening, quad screening, etc).	5-Marker FTS T1 QUAD	
uE3 assay date	MMSS0120	Date of uE3 measurement		
uE3 level	MMSS0013	Reported measurement level of unconjugated estriol level (uE3) assay result based on maternal serum screen. (Cunningham, 2005)		
uE3 MoM	MMSS0035			
Valid version record	PSOVALVERS	Valid version record		
Zygoty	M0200	The nature of the zygotes from which individuals are derived; e.g., whether by separation of the division of one zygote (monozygotic) , in which case they will be genetically identical, or from two separate fertilized ova (dizygotic).	Unknown	