California Prenatal Screening Program Changes Provider Support, Training & Educational Materials

Webinar 3 of 3

August 24, 2022





Welcome

Introduction: Lisa Feuchtbaum, Program & Policy Branch

Welcome: Richard Olney, Division Chief

Presenters:

- Program Changes/Workflow Walk Through
 Robyn Jiménez, Chief, Prenatal Screening Section
- Q & A Session
 Sara Goldman, Assistant Division Chief
- Training and Educational Materials
 Faith Raider, Communication & Education Unit





Continuing Medical Education (CME)

- GDSP is accredited by the California Medical Association to provide Continuing Medical Education (CME) for physicians. This webinar will constitute 1.5 AMA PRA Category 1 CreditsTM
- The webinar recording will be on <u>PNS Program Webinars web page</u> (https://bit.ly/PNS_Webinars). For CME credits, complete the evaluation survey found on this page
- CMEs may also be used for continuing education credits by other professional credentialing organizations (e.g., nursing, genetic counseling)





Welcome

Richard Olney, MD, MPH

Division Chief

Genetic Disease Screening Program





PNS Program moving to cell-free DNA (cfDNA)

You may have read about it...



e-Newsletter: https://tinyurl.com/GDSPOnline





Revised PNS Program: Two Types of Screening

Current: Integrated Biochemical Screening

1st and 2nd trimester maternal serum specimens



Future: Two Types of Screening



Window: 10w 0d until term



Window: 15w 0d through 21w 0d





Revised PNS Program Changes

Robyn Jiménez, PhD

Chief

CA Prenatal Screening Program





Revised PNS Program: cfDNA

- Cell-free DNA (cfDNA) screening: primary screen for chromosomal anomalies
- Genetic screening examines fetal DNA circulating in maternal blood
- Screens for trisomy 21 (Down syndrome), trisomy 18, and trisomy 13 in singletons and twin pregnancies
- Includes fetal sex, if requested by the patient
- Offered at 10 weeks of gestation or later
- Lower false positive rate
- State PNS Program fee of \$232, includes follow-up services for referred patients to state-authorized Prenatal Diagnosis Centers





Amended State Regulations: CCR Title 17 Sections: 6520 – 6548

- The PNS Program has exclusivity in California to screen for trisomies 21, 18, and 13, as well as maternal serum AFP for neural tube defects
- The state currently has contracts with Natera, Quest Diagnostics,
 PerkinElmer and Kaiser Southern California Permanente Medical Group
- Natera & Quest Diagnostics will be available to the non-Kaiser providers at program launch. The third lab, PerkinElmer will come onboard later in the year
- No other labs operating in California may screen for trisomies 21, 18, and 13 using cfDNA methodologies





Three State-Contracted cfDNA Laboratories

- Provider choice of labs: Natera, Quest Diagnostics, & PerkinElmer
- Each lab has specific blood draw instructions
- Instructions are currently posted for Natera and Quest Diagnostics on program website
 - Draw blood in provider office;
 - Or send patient to blood draw station
- Kaiser providers should check with their internal systems





Natera Blood Draw Instructions For Providers

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California Prenatal Screening (PNS) Program

Instructions FOR PROVIDERS on Ordering and Collecting cfDNA Screening Blood Specimens

NATERA LABORATORY

- 1. How do I request blood collection kits from Natera?
 - Either call customer care at 650-434-4840, or email <u>california@natera.com</u> to request blood collection kits.
 - b. Kits are free of charge and include prepaid shipping envelopes.
- 2. Where can I have the patient's blood specimen drawn?
 - a. If blood collection services are not available at your clinic:
 - Please visit: https://my.natera.com/services/blood_draw, or call 650-446-4095.
 - ii. Please provide the Natera kit and printed requisition form(s) to the patient.
- 3. How do I order the cfDNA Screen?
 - Go to the CalGenetic Portal (https://calgenetic.cdph.ca.gov/) to register and order the cfDNA screen (beginning September 19, 2022).
 - Select Natera as the cfDNA Laboratory. The selection will say 'Natera (Vasistera SNP Based NIPT)'.
 - c. After completing the online form, select the SUBMIT button.
 - d. <u>Print</u> the California Prenatal Screening (PNS) Program Consent and cfDNA Order Confirmation on the PNS Program label stationery provided by the state program*.
 - When the screening order is printed on the label stationery, it will contain four PNS Program barcode stickers.
 - Place one of the barcode stickers vertically <u>on each</u> of the blood collection tubes (you can use the sticker that says, "Extra label").
 - Place an additional barcode sticker on a copy of the patient's insurance card.
 - Obtain the patient's signature on the PNS Program Consent and cfDNA Order Confirmation.
 - e. Open the Natera blood collection kit.
 - Remove one barcode sticker from the Natera kit and affix it vertically <u>on each</u> blood collection tubes. Place stickers so they do not overlap.
 - ii. Remove one additional barcode sticker from the Natera kit and affix it to the upper right-hand corner of the printed Consent and cfDNA Order Confirmation in the box that says, "For lab use only, do not cover".
 - If ordering additional tests from Natera using the same specimen, affix an additional Natera sticker on the upper right-hand corner of the Natera requisition form.

• To pre-order the PNS Program label stationery go to: https://www.cdph.ca.gov/Programs/CFH/DGDS/Pages/pns/orderingsupplies.aspx

Last Updated 7-28-2022

California Prenatal Screening Program

Additional Information For Providers About California State-Contracted cfDNA Laboratories

NATERA LABORATORY

Methodology for cfDNA analysis?

SNP-based cfDNA screening reveals a baby's risk for severe genetic disorders. The test uses a unique single-nucleotide polymorphism (SNP)-based technology to analyze fetal/placental DNA obtained through a blood draw from the mother. This test can differentiate between maternal and fetal DNA to assess the risk of aneuploidies. The test also screens twin pregnancies for zygosity and fetal sex of each baby.

- Can I have additional tests performed on the specimen I send for Prenatal Screening Program through Natera?
 - a. Additional tests can be ordered using the same specimen. These are:
 - Panorama CA Supplemental Panel: includes sex chromosome aneuploidies, Triploidy.
 Optional add-ons: 22q11.2 deletion syndrome, extended microdeletion panel
 - ii. Horizon Carrier Screen:
 - Single gene options: CF, SMA, DMD
 - 2. Panel options: Horizon 4. Horizon 14. Horizon 27. Horizon 106. Horizon 274
 - b. Visit www.natera.com/CAPNS for ordering information and instructions.
- 3. How do patients consent to additional tests?
 - The physician must sign a separate requisition form indicating that they have consented the patient for additional testing. Patient consent language is included on the requisition form
 - Visit www.natera.com/CAPNS to download the requisition form, or call 650-446-4095.
- 4. Are you CLIA-certified? Yes CLIA# 05D1082992

Are you certified by California Laboratory Field Services (LFS)? Yes - CDF# 00337104

Where is the location of your lab(s) where my patients' specimens will be processed in California?

The performing lab for Natera is located at:

Natera, Inc., 201 Industrial Rd. San Carlos, CA 94070

6. Disclaimer:

This test has been developed and its performance characteristics determined by the CLIA-certified laboratory performing the test. The test has not been cleared or approved by the US Food and Drug Administration (FDA). CAP accredited, ISO 13485 certified, and CLIA certified. © 2022 Natera, Inc. All Rights Reserved.

These instructions are now available for viewing on the PNS Program Webpage a: https://bit.ly/PNS4Providers



Quest Blood Draw Instructions For Providers

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California Prenatal Screening (PNS) Program

Instructions FOR PROVIDERS on Ordering and Collecting cfDNA Screening Blood Specimens

OUEST DIAGNOSTICS LABORATORY

- 1. Locating a Quest Diagnostics Patient Service Center:
 - Quest Diagnostics has over 500 patient access points throughout Northern and Southern California.
 - b. Please use the link supplied below so that your patient can locate the nearest Patient Service Center (PSC) and schedule an appointment: https://appointment.questdiagnostics.com/as-home.
- 2. How to order the cfDNA Screen:
 - Visit the CalGenetic Portal (https://calgenetic.cdph.ca.gov/) to register and order the cfDNA screen (beginning September 19, 2022).
 - Select Quest Dx as the cfDNA Laboratory. The selection will say "Quest Dx (GDSP cfDNA Panel) CL: 94804005".
 - c. After completing the online form, select the SUBMIT button.
 - d. <u>Print</u> the California Prenatal Screening (PNS) Program Consent and cfDNA Order Confirmation on the PNS Program label stationery provided by the state program*.
 - When the screening order is printed on the stationery, it will contain four PNS Program barcodes stickers.
 - Obtain the patient's signature on the PNS Program Consent and cfDNA Order Confirmation.
- 3. Specimen collection:
 - a. In-clinic collection instructions:
 - i. One barcode sticker should be affixed to a copy of the patient's insurance card.
 - ii. One barcode sticker should be affixed vertically on each blood collection tube.
 - b. Collection at a Quest Diagnostics Patient Service Center:
 - Ask the patient to make an appointment at their preferred Quest Diagnostics Patient Service Center location via the link below: https://appointment.questdiagnostics.com/as-home
 - ii. The patient will be required to bring the following items:
 - 1. A signed PNS Program Consent and cfDNA Order Confirmation form and
 - 2. A copy of their insurance card with the affixed barcode sticker.
- Does my patient need to do anything to prepare for the cfDNA screen (e.g., fast)?
 No special preparation is needed.

California Prenatal Screening (PNS) Program

Additional Information For Providers About California State-Contracted cfDNA Laboratories

QUEST DIAGNOSTICS LABORATORY

1. Methodology for cfDNA analysis?

The "GDSP cfDNA Panel" screening test from Quest Diagnostics utilizes an automated whole genome shotgun sequencing approach. A Z-score (the degree in which a data set differs from the expected outcome) is then bioinformatically generated to identify patients who are at a higher risk for a tested aneuploidy.

Can I have additional tests performed on the specimen I send for Prenatal Screening Program through your company?

At this time, Quest Diagnostics <u>does not</u> offer additional testing that can be performed on the cfDNA specimen.

3. Are you CLIA-certified? Yes

Are you certified by California Laboratory Field Services (LFS)? Yes

Laboratory Name	Quest Diagnostics
Federal CLIA #	CLIA 05D0643352
California Licensed CLIA Lab #	CDF-00002562

4. Where is the location of your lab(s) where my patients' specimens will be processed in California?

The performing lab for the "GDSP cfDNA Panel" from Quest Diagnostics is:

Quest Diagnostics San Juan Capistrano 33608 Ortega Highway

San Juan Capistrano, CA 92675-2042

These instructions are now available for viewing on the PNS Program Webpage a: https://bit.ly/PNS4Providers



https://www.cdph.ca.gov/Programs/CFH/DGDS/Pages/pns/orderingsupplies.aspx

<u>Last Updated 7-28-2022</u>





Provider Choice on cfDNA State-Contracted Labs

- Providers decide which state-contracted labs they want to use
- The state pays the state-contracted cfDNA labs directly
- No fees for cfDNA screening charged to the patient if they have Medi-Cal or private insurance
- Medi-Cal and private insurance must cover the \$232 program fee
- PNS Program will invoice this fee to Medi-Cal or patient's insurance company
- Site-specific preexisting contracts or arrangements with existing cfDNA labs will no longer apply



cfDNA Case Management and Follow-up

Screening results and interpretations will be standardized

 Case management will be provided by regional PNS Program coordinators, including results communications to providers

 Providers should contact the PNS Program coordinators for questions about test results and follow up services





Additional Screening Still Available

- The state cfDNA screening panel does not currently include screening for sex chromosome abnormalities or microdeletions
- Additional types of screening tests may be ordered outside the state PNS Program
- Any of the state-contracted labs who have this capacity can provide additional tests using the same specimen (currently, only Natera).
- The cost of additional screening services will not be covered by the state.
- Providers are responsible for pre and post-test counseling, patient consent and arranging any follow up diagnostic testing





Revised PNS Program: MSAFP Screening

Maternal serum AFP (MSAFP) will continue to be the primary screen for neural tube defects

Biochemical screening measures maternal serum alpha-fetoprotein (MSAFP)

- Screens for anencephaly, open spina bifida, etc.
- Offered from 15 weeks 0 days through 21 weeks 0 days of gestation
- Fee is \$85 for MSAFP; includes follow-up services for referred patients to state-authorized PDC





MSAFP: What is the same?

MSAFP biochemical test

- Current blood collection kit
 - -Can be ordered from the program website at no cost
- Patients can be directed to any blood collection location that has been used in the past
- Specimens are processed by regional CDPH statecontracted laboratories





MSAFP Blood Collection Kit (same as before)



3.5 mL serum separator tube(s)

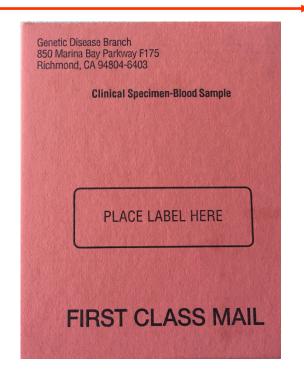
cardboard mailing box



plastic tray

absorbent pouch









cfDNA & MSAFP: What Is New?

- Use of CalGenetic Portal for electronic ordering and viewing results
 - Replaces pre-printed, paper 1st & 2nd trimester test request forms
- For patients who consent, the provider uses new PNS
 Program stationery for printing the "Order and Consent Confirmation" form for both cfDNA and MSAFP screens.
- For patients who decline, the provider can use the cfDNA and MSAFP decline forms available on program website





California Prenatal Screening Program Decline of MSAFP Screening Form

It is your choice whether you want prenatal screening offered by the California Prenatal Screening (PNS) Program. Your prenatal care provider will review the prenatal screening process and answer any questions you may have so you feel ready to make your decision. If you decide not to have one or both screenings offered by the PNS Program, you will sign and date a separate decline form for each of the two screenings.

Summary of key points to remember as you consider your final decision on whether you want one or both screenings offered by the PNS Program.

- The PNS Program offers prenatal screening to identify these birth defects: neural tube defects through maternal serum alpha-fetoprotein or MSAFP screening. Screening is not 100% accurate in finding birth defects.
- There are separate program fees for each of the two screenings, cfDNA screening and MSAFP screening. Medi-Cal and private insurance must cover all program fees, with only a few exceptions for self-insured employers and out-of-state health plans. If the fees are not covered, or you do not have Medi-Cal or health insurance, you must provide full payment.
- 3. If the screening result shows an increased chance of a birth defect, you can talk to your provider and decide if you want follow-up services. Follow-up services include genetic counseling to learn about follow-up options, an ultrasound examination, and diagnostic testing, either chorionic villus sampling or amniocentesis. It is possible to have normal results after diagnostic testing.
- 4. If your prenatal provider requests additional genetic screening or testing, outside of the PNS Program, separate test request forms and fees will be required. Follow-up services will not be available through the PNS Program for the additional screenings or testing.

If patient declines cell-free DNA or maternal serum alpha-fetoprotein screening

- Patient or patient's representative must sign and date the form.
- The provider must file the form in the patient's medical record and provide a copy of the signed form to the patient.

Maternal serum alpha-fetoprotein (MSAFP) Screening				
I Decline MSAFP	I decline to have blood drawn for MSAFP screening offered by the California Prenatal Screening Program.			
Screening	Signed:	Date:		
	Attestation that verbal decline from patient was received.			
	Provider/Representative Name*:	Relationship to Patient*:		
	(Please print)	(Please print)		

California Prenatal Screening Program Decline of cfDNA Screening Form

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cell-free DNA (cfDNA) Screening			
I Decline cfDNA	I decline to have blood drawn for cfDNA screening offered by the California Prenatal Screening Program.		
Screening	Signed:	Date:	
	Attestation that verbal decline from patient was received.		
	Provider/Representative Name*:	Relationship to Patient*:	
	(Please print)	(Please print)	

PNS Program: What is going away?

- Result mailers will NOT be sent to patients
- Biochemical integrated screening will NOT be offered
- Screening for Smith-Lemli-Opitz syndrome (SLOS) will NOT be done.
- NT ultrasound measurements (mm) will NOT be included on PNS screening orders





Supplies and Educational Materials

<u>Supplies and printed ed materials are ordered online</u> (https://bit.ly/PNSSupplies)

- PNS Program label stationery for printing the MSAFP and cfDNA "Order and Consent Confirmation" forms
- MSAFP kits
- MSAFP labels



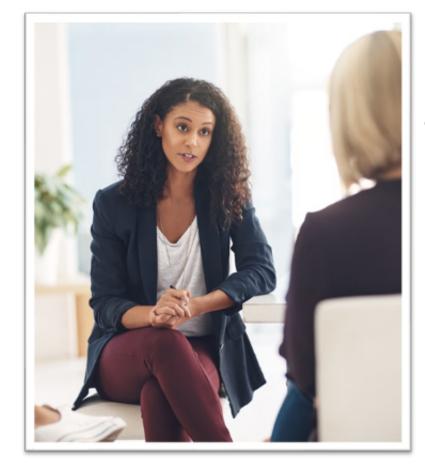


Screening Order and Results Workflow Process





Ordering a cfDNA screen

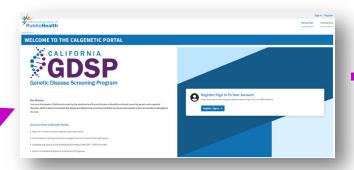


Patient consents

Patient declines

Provider/ patient discussion about cfDNA PNS. Pre-counseling recommended; patient video on PNS website.

Clinician/delegate places cfDNA order through CalGenetic Portal



California Prenatal Screening Program

Decline of cfDNA Screening Form

It is your division whether you were presented screening effected by the California Presental Screening Program

It is provided to the program of the program o

Patient signs decline form; file in patient's chart

Clinician/delegate prints confirmation page on label stationery; patient or representative signs consent



Links on CalGenetic
Portal help determine
appropriate cfDNA-lab
specific draw station and
location for the patient

Ordering a cfDNA screen





Patient takes eTRF, insurance card copy, and blood collection kit (Nateraonly) to designated blood draw location

Provider's chosen cfDNA laboratory receives and processes specimen





Patient's blood is drawn

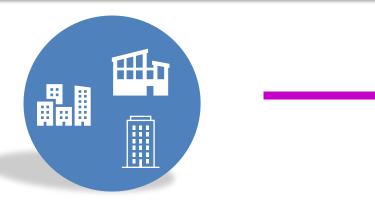






Draw station ships specimen, eTRF, and insurance information to designated cfDNA laboratory

Ordering a cfDNA screen



cfDNA laboratory sends specimen data to PNS Program for standardization

Patient is authorized for re-draw or follow-up services depending on non-negative result







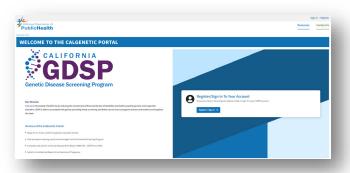
Prenatal Screening Program



Coordinator contacts ordering provider regarding any nonnegative results



Paper result mailer sent to ordering provider



Screen Negative Results available on CalGenetic Portal real-time

Ordering an MSAFP screen

Patient

Patient

declines



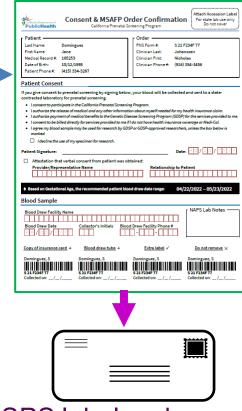
Provider/ patient discussion about MSAFP PNS screening. Precounseling recommended; patient video on PNS website.

Clinician/delegate places MSAFP order through CalGenetic Portal

California Prenatal Screening Program Decline of MSAFP Screening Form

Patient signs decline form; file in patient's chart

Clinician/delegate prints order confirmation page on label stationery; patient or representative signs consent



USPS label and pre-paid postage can be printed for GDSP regional labs from CalGenetic Portal



Ordering an MSAFP screen

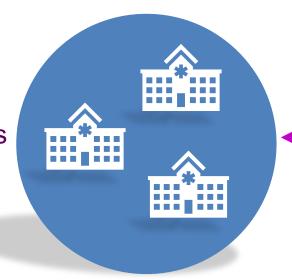






Patient takes eTRF and insurance card copy to any blood collection location that draws for the PNS Program

GDSP regional laboratory receives and processes specimen



Patient's blood is drawn





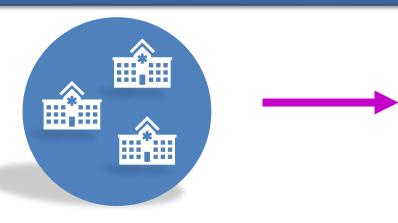






Draw station ships specimen, eTRF, and insurance information to state MSAFP laboratory (labels provided for USPS on CalGenetic Portal)

Ordering an MSAFP screen



GDSP laboratory sends specimen data to PNS Program

Patient is authorized for re-draw or follow-up services depending on non-negative result





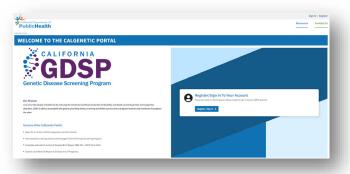




Coordinator contacts ordering provider regarding any non-negative results



Paper result mailer sent to ordering provider



Screen Negative Results available on CalGenetic Portal real-time

Questions?

Write your questions in the Q&A box
Sara Goldman, Assistant Division Chief, GDSP

