

**SECOND AMENDMENT TO STANDARD CONTRACT  
BETWEEN COUNTY OF SOLANO AND THE SIMI GROUP, INC.**

This Second Amendment is made on March 28, 2017, between the COUNTY OF SOLANO, a political subdivision of the State of California ("County") and The SIMI Group, Inc. ("Contractor").

1. Recitals

- A. The parties entered into a contract dated July 1, 2016 (the "Contract"), in which Contractor agreed to facilitate reporting of Public Health data to County as the Public Health Authority.
- B. The County amended the Contract ("First Amendment") dated January 19, 2017 to modify the Scope of Work and Budget of the Contract.
- C. The County now needs to modify the Scope of Work and compensation for the second time.
- D. This Second Amendment represents an increase of \$130,500 of the Contract due to the additional scope of services added.
- E. The parties agree to amend the Contract as set forth below.

2. Agreement

A. Amount of Contract

Section 3 is deleted in its entirety and replaced with: "The maximum amount of this Contract is \$385,500."

B. Scope of Work

Exhibit A-1 is deleted in its entirety and replaced with the Amended and Restated Scope of Work attached to and incorporated by this reference as Exhibit A-2, which includes an amended Section 14 and adds Sections 15-17.

C. Budget

Exhibit B-1 is deleted in its entirety and replaced with the Budget attached to and incorporated by this reference as Exhibit B-2, which adds Section B.10-12.

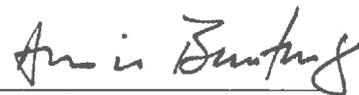
3. Effectiveness of Contract

Except as set forth in this Second Amendment, all other terms and conditions specified in the Contract remain in full force and effect.

COUNTY OF SOLANO, a Political  
Subdivision of the State of California

By   
Birgitta E. Corsello  
County Administrator

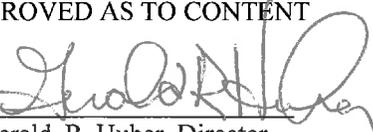
APPROVED AS TO FORM

By   
County Counsel

CONTRACTOR

By   
Dan Desmond, President

APPROVED AS TO CONTENT

By   
Gerald, R. Huber, Director  
Health and Social Services Department

**EXHIBIT A-2**  
**AMENDED AND RESTATED SCOPE OF WORK**

The SIMI Group, Inc. (SIMI) shall provide the following services:

**1. H-Rex PPHealthHub Core Services (Data Processing and Mapping) and Statutory Reporting**

Provide Solano County (County) Department of Health and Social Services with a subscription to the Health Resilience Exchange (H-ReX: A service of The SIMI Group, Inc.) Population and Public Health Hub (PPHealthHub) to facilitate the reporting of statutory public health data to the County as the Public Health Authority (PHA). SIMI and H-ReX will provide on-going production data processing and exchange with the public health community providing support for data submission based on American Recovery and Reinvestment Act of 2009 (ARRA) Meaningful Use Stage 2 National Institute of Standards and Technology (NIST)-compliant messages that are compliant with California specific public health standards as published periodically by the California Department of Public Health (CDPH).

SIMI shall accept, process, modify, and enhance data to County-specified programs, applications and systems per:

- a. California Health and Safety Code (CHSC) sections 120130 and 120175;
- b. California Code of Regulations Title 17 sections 2500 and 2505;
- c. Other public health data or information as specified by County Health Officer; and
- d. Health Information Technology for Economic and Clinical Health (HITECH) Act Meaningful Use reporting to public health.
- e. The transaction sets supported will include:
  - i. Immunization data;
  - ii. Syndrome surveillance;
  - iii. Electronic laboratory reporting;
  - iv. Public health case reporting;
  - v. Encounter data of public health importance and interest; and
  - vi. Diagnostic, non-laboratory data from Clinical Laboratory Improvement Amendments (CLIA) –waived sources

SIMI shall provide ongoing H-ReX PPHealthHub core services processing.

**2. H-Rex PPHealthHub Core Services (Management Portal and Data Routing) and Statutory Reporting with Data Access**

Act as a Non-Exclusive Agent for County to receive public health and medical emergency response data as specified by County as the Public Health Authority (PHA) with a priority on on-going immunization data, syndrome surveillance, encounter data, public health case reporting, cancer incident, diagnostic data and electronic laboratory reporting processing through the H-ReX service.

- a. SIMI will provide County and County healthcare partners access to a secure portal for data exchange onboarding, status and reports. Two levels of access will be provided: “Manager” for County staff and “Client” for healthcare partners;

- b. SIMI will provide County with access to a County-specific portal for secure online data access to reported data with role-based access rights;
- c. All data received and processed by H-ReX will be provided to the County and other systems, programs and applications as specified by the County including, but not limited to:
  - i. CDPH California Immunization Registry (CAIR) Immunization Messaging Portal Gateway;
  - ii. CDPH California Reportable Disease Information Exchange (CalREDIE); and
  - iii. US Centers for Disease Control and Prevention (CDC) BioSense 2.0 or Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE) syndrome surveillance platforms managed by the CDC and/or Association of State and Territorial Health Officers (ASTHO); further,

All data received and processed by H-ReX will be purged after delivery to County and other systems, but in no case will data be held with the H-ReX routing environment for more than 120 (one-hundred twenty) days.

SIMI shall provide:

- a. Ongoing H-ReX PPHealthHub core services processing;
- b. Updated web-based education for Managers and Clients (Partners) within the first month of contract execution;
- c. Updated web-based education on the portal line-list access to immunization data, syndrome surveillance, encounter data, public health case reporting and electronic laboratory reporting with associated documentation, within two months of contract execution;
- d. Updated County Manager Documentation within the first month of contract execution;
- e. Updated Client/Partner Documentation within the first month of contract execution;
- f. Updated participant outreach and engagement materials in an editable format two weeks prior to release of Partner portal updates; and
- g. Quarterly, and on an as needed basis, training for managers and clients.

### **3. H-Rex PPHealthHub Cloud Repository with Analytics**

Provide a subscription to the H-ReX PPHealthHub PHAnalytX™ public health reporting cloud-based data repository providing data retention for more than the 120-day period. Perform data validation and transformation services and provide County access to a data mart with line lists and download/connection access to six public health data sets – immunization data, syndrome surveillance, encounter data, public health case reporting, electronic laboratory reporting and diagnostic data from CLIA-waived devices.

SIMI shall provide:

- a. A secure, cloud-based data repository of Solano public health data received from healthcare partners;
- b. Storage of six data transaction sets:
  - i. Immunization data;
  - ii. Syndrome surveillance messages;
  - iii. Encounter and Health Indicator messages and data;

- iv. Public Health Case Reports;
  - v. Electronic Laboratory Reporting; and
  - vi. Diagnostic data including CLIA-waived point of use devices.
- c. Access to a web-based line list to each of the five transaction sets (syndrome and encounter data are combined) with the ability to view one day, one week or one month of data, to be available within sixty days of contract execution; and
  - d. Access to five data marts (syndrome and encounter data are combined) via online tools with the ability to download data, one for each transaction set, within seventy-five days of contract execution.

#### **4. Laboratory Information System (LIS) and Diagnostic Professional Services**

The Solano County Public Health Laboratory (PHL) is implementing a new Laboratory Information Systems (LIS) from Orchard Software Corporation. The LIS implementation will replace the current LIS and also support external connectivity for laboratory orders and results. SIMI shall provide review and feedback of the draft LIS contract, connection of Lab Orders/Results to the County Mirth interface engine instance, documentation of requirements for other PHL customers, and other services as identified.

Additionally, new point-of-use diagnostic devices are becoming available that the PHL desires to have connectivity and oversight for. These devices are of both CLIA-waived and moderate complexity types and will be used for surveillance and research purposes. SIMI shall provide a unified design for supporting these devices internally, with external customers and with the new LIS.

SIMI shall provide:

- a. Consultation with PHL staff to ensure that LIS contract objectives are met;
- b. Consultation and services on LIS build and coding to ensure compatibility with data exchange requirements;
- c. Consultation on interfacing test instruments and implementing new methods;
- d. Enhance protocols and document support for point-of-use and other diagnostic needs for seasonal influenza within the first sixty days of contract;
- e. Develop protocols and document support for point-of-use and other diagnostic needs as identified by PHL staff; and
- f. Additional professional services as identified by PHL staff.

#### **5. Family Health Services Informatics and Professional Services**

Solano County Family Health Services (FHS) desires to improve statutory and public health reporting as well as enable enhanced analytics of community, population and FHS client data to enhance clinic situation awareness and improve patient encounters.

SIMI shall provide:

- a. Development and deployment of sample ClinicAnalytX™ reports and templates using enhanced encounter and syndrome surveillance data sets within forty-five days of contract;
- b. Support for development of ClinicAnalytX™ reports to support FHS business and operational needs;
- c. Support of Excel PowerPivot analytics model for FHS based on enhanced encounter data; and
- d. Additional professional services as identified by FHS.

**6. H.E.A.T. Application H-Rex Implementation, Subscription and Support**

Expand and enhance the Health Assessment, Evaluation and Tracking (H.E.A.T.) application for exposure and patient monitoring to include bi-directional data exchange with the H-ReX PPHealthHub and PHAnalytX™ subscription via the H.E.A.T. Data Connector subscription. H-ReX data connection will be to the County – provided Dynamics CRM (Customer Relationship Management) Government Online environment from Microsoft. Implementation will first take place in the County “sandbox” with requirements locked down prior to deployment in the County production environment.

SIMI shall provide:

- a. Data connection from the H.E.A.T. “sandbox” instance to the H-ReX PPHealthHub and PHAnalytX™ subscription environment within the first sixty days of contract;
- b. Data connection from the H.E.A.T. production instance to the H-ReX PPHealthHub and PHAnalytX™ subscription environment within the first one hundred twenty days of contract; and
- c. Ongoing operation and maintenance of the H.E.A.T. Data Connector subscription to H-REX PPHealthHub and PHAnalytX™.

County shall provide:

- a. Access to County CRM Government Online subscription with five (5) user accounts to manage, oversee and update configuration per County request.

**7. Public Health Case Reporting Production and Deployment**

Deploy and maintain subscription to H-ReX Public Health Case Reporting (PHCR) module that supports California Code of Regulations Title 17 Section 2500 for the electronic reporting of public health cases per statute and as a Special Registry under Meaningful Use. The PHCR module will support triggers based on Electronic Laboratory Reports (ELR) and a list of Current Procedural Terminology (CPT) and International Classification of Diseases (ICD) codes that can be provided to County healthcare partners.

SIMI shall provide:

- a. Loading of CDC/CSTE Reportable Condition Knowledge Base rule sets within 30 days of posting of production release;
- b. Transitioning of current “sandbox” environment to full production subscription within 60 days of contract execution;
- c. Access to H-ReX PHCR subscription service including loading of Data Mart on an ongoing basis after production deployment; and
- d. Other professional services as identified.

County shall provide:

- a. Access to County CRM Government Online subscription with five (5) user accounts to manage, oversee and update configuration per County request as described in item 6.

**8. Diabetes Monitoring Prototype Definition and Demonstration**

Provide continued access to an online demonstration/evaluation environment that supports patient engagement for chronic conditions with a focus on diabetes prevention and management. The environment shall support patient, clinician, care coordinator and management roles and functions. The environment will be used for County staff and subject matters experts to define priorities for the use of digital health technologies and chronic care.

SIMI shall provide:

- a. Access and support to prototype environment on an ongoing basis; and
- b. Quarterly demonstration and documentation of findings.

County shall provide:

- a. Access to County CRM Government Online subscription with five (5) user accounts to manage, oversee and update configuration per County request as described in item 6.

**9. Analytics Support and Professional Services**

Contractor will assist in the development and enhancement of analytic methods and reports for Solano County public health and identified staff including all online tools provided in the PHAnalytX™ environment.

SIMI shall provide:

- a. Support and customization of analytical models spanning immunization data, syndrome surveillance, enhance encounter, public health case reports and electronic laboratory reporting data marts as directed by county staff.

**10. H-Rex PPHealthHub Innovation Center Consulting Services**

Provide County access to novel and evolving H-ReX innovation evaluation proof-of-concept services supporting point-of-use screening, testing and diagnostics from Solano designated sources including, but not limited to, the Public Health Laboratory, Travis Air Force Base, Family Health Services clinics, mobile clinics/testing and identified screening and diagnostic vendor systems.

SIMI shall provide:

- a. Ongoing access to the PPHealthHub Innovation Center;
- b. Web based introduction to H-ReX PPHealthHub innovation center within first month of contract execution; and
- c. User guide to use and participation within the first month of contract execution.

**11. H-Rex PPHealthHub Professional Consulting Services**

Provide consulting services and Information and Communications Technology (ICT) subject matter expertise in population and public health; public health workflows; case reporting; exposure monitoring; acute and chronic conditions; and interoperability with legacy applications and Electronic Medical Record (EMR) technologies.

**12. H-Rex Monthly Meetings**

Participate in monthly status, coordination and prioritization meetings with County public health.

### 13. H-Rex Monthly Status Reports

Provide monthly status reports on H-ReX services, public health partner participation and utilization. The monthly status report should, minimally, include the following:

- a. Number of providers enrolled/participating;
- b. Volume of data processed, by data feed;
- c. Errors/problems identified and solutions; and
- d. Progress on current projects

### 14. Health Indicator and Social Determinants of Health Support and Professional Services

Solano County Public Health desires to enhance its capacity to receive, process and analyze public and population health data. These data extend beyond traditional public health reporting of infectious diseases, birth and death, syndrome surveillance and electronic laboratory reporting and may be optional for the healthcare community to provide.

Data that are targeted include data that are not traditionally collected in a clinical setting including social determinants of health indicators. Solano County Family Health Services has similar needs for such information and analytics that extend beyond the standard data collection settings in its NextGen Certified Electronic Health Record Technology (CEHRT).

This effort will leverage the FHS NextGen Electronic Health Record test environment and the Solano Health Hub analytic capabilities to investigate and evaluate how to collect, report and analyze health indicator and social determinant of health data.

There are four distinct but interconnected projects:

#### A. Protocol for Responding to and Assessing Patients' Asses, Risks, and Experiences (PRAPARE) Investigation and Report

SIMI shall:

- a. Investigate the PRAPARE initiative and assess how it can be implemented internally within Solano County Family Health Services within 60 days of contract execution;
- b. Review existing source materials and develop approaches to combine PRAPARE data sets from multiple clinical settings to support a county-wide view and analytic capabilities utilizing existing Solano Health Hub analytics within 90 days of contract execution;
- c. Prepare and deliver preliminary investigation report within 120 days of contract execution;
- d. Install the developed PRAPARE prototype within the County FHS test environment using PRAPARE NextGen template within 120 days of contract execution:
  - i. Additional work efforts may be requested by County staff as this is an unknown effort bur are limited to the funding identified within;
- e. Identify data gaps and potential impacts of use of PRAPARE;
- f. Develop final report with business and technical requirements to implement PRAPARE in production by June 2017.

B. Community Health Indicator and Social Determinants of Health Data Integration and Analytics

SIMI shall:

- a. Work with County staff to identify a subset of sample patient questions that complement/extend the PRAPARE questions in various areas, such as military status, occupation, behavioral health issues, to be included in pilot analytics within 60 days of contract execution;
- b. Investigate means to extend the PRAPARE template to include additional questions for analyses starting within 60 days of contract execution;
- c. Develop interim report; and
- d. After review of interim report and feedback perform one or both of the following as directed by County staff:
  - i. Identify alternative approaches to extending the use of the PRAPARE templates, or,
  - ii. Augmentation of the PRAPARE NextGen prototype with social determinants of health and behavioral health questions and ascertain how/if the data can also be extracted to the Solano Health Hub; and
  - iii. Additional work efforts may be requested by County staff as this is an unknown effort but are limited to the funding identified within.
- e. Mock-up an ad-hoc data intake form to capture all questions and integrate with the Solano Health Hub patient simulator to enable County staff to develop analytics using the Solano Health Hub within 120 days of contract execution.

C. NextGen Data Extracts Investigation and Excel Analytics

SIMI shall:

- a. Evaluate user interface extracted NextGen data provided in Excel spreadsheets by County to identify coding issues or other areas of concern within 45 days of contract execution;
- b. Design and develop data repository and populate with data provided by County within 45 days of contract execution;
- c. Perform analyses of data to answer mutually agreed upon questions within 90 days of contract execution;
- d. Produce interim report;
- e. Investigate alternative means to extract data from NextGen including user interface, administrative interface, data exchange and other IT alternatives with 120 days of contract execution;
- f. Assess best practices and third party alternatives;
- g. Produce final report of all findings with recommendations; and
- h. Provide County with template Excel analytics that can be used as a sample analytical/visualization tool for community health and social determinants of health indicators.

D. Solano Family Health Services (FHS) and County IT Work Plan Development

SIMI shall:

- a. Identify potential needs of FHS, County IT and other staff;
- b. Meet with appropriate parties to ascertain high-level scope of work and timeline impacts within 30 days of contract execution;
- c. Develop draft work plans and review with parties and deliver draft work plans by with 45 days of contract execution; and
- d. Develop final work plans within 90 days of contract execution.

**15. Public Health Laboratory Terminology and Point of Care**

The Napa-Solano-Yolo-Marin Public Health Laboratory (PHL) is in the midst of implementing the new Laboratory Information Management System (LIMS) from Orchard. The Orchard LIMS has two components – the core laboratory information system (Harvest) and the User Portal and Interface Engine (Copia). The PHL needs assistance in two areas in support of the Orchard Harvest/Copia implementation:

- a. Information and Communications Technology (ICT) integration and support
- b. Informatics support for configuration, coding and terminology

A separate PHL project is a study to evaluate the potential for Point-of- Care Testing (POCT) diagnostic devices to support various clinical, population and public health needs. Note: POCT is being supported by the PHL in partnership with Epi/Surveillance and FHS.

SIMI shall:

- a. Provide Information, Communication and Technology (ICT) support for the integration and interoperability between the Orchard Copia communications interface and the following:
  - i. CalREDIE for public health reporting with a target of commencing CalREDIE User Acceptance Testing in June 2017;
  - ii. PPHealthHub for Lab Orders and Results between the Orchard LIMS Test environment to simulate/validate orders and results for each of the hospitals located in the PHL service area spanning Napa, Solano, Yolo and Marin, with the goal of going live by June 30, 2017;
  - iii. Solano Family Health Services NextGen system for Lab Orders and results;
  - iv. PPHealthHub for Public health surveillance and biothreat alerting and notification;
- b. Provide informatics support for status codes, demographic information, LOINC and SNOMED coding and terminologies. Additional services will be provided to address policy, compliance and governance needs between partners. Coding for the entire PHL test catalog will be implemented for the production go live by June 30, 2017. A final report will be generated on the coding;
- c. Provide ICT support to the POCT study demonstrating seamless processing of orders/results from NextGen to/from two different diagnostic vendors (BD and Cepheid). This study supports clinical (CLIA waived), public health, research, biothreat and surveillance data needs. A final report will be generated.

## 16. Family Health Services Population Data Mart

Family Health Services desires to expand its analytical capabilities in support of population and public health. In order to support such analytical capabilities a novel cloud-based data mart based on a full extract of the County FHS NextGen EHR system is needed along with additional data sets that may not be included in the EHR. This necessitates a separate, distinct, secure cloud-based environment to support data exchange, data quality, data analysis, reporting and visualization to ensure HIPAA compliance and protect FHS health information. The cloud-based data mart will be hosted in Azure Government and will only be accessible to individuals identified by FHS.

SIMI shall:

- a. Configure, host and maintain a distinct cloud-based environment to hold FHS NextGen data with limited access to specific FHS personnel;
- b. Expand NextGen extract beyond health indicator data and Excel extracts to include more comprehensive data;
- c. Work with FHS administrative, clinical and other staff to identify data analyses requirements;
- d. Develop a FHS data mart and make accessible, via online, a cloud-based analytics for up to twenty (20) users;
- e. Provide sample models, reports, key performance indicators and dashboards for FHS staff;
- f. Provide two training sessions, one each for FHS administrative and clinical operations, on the use of the online analytical data mart; and
- g. Provide a report on progress.

## 17. Community Clinics Pilot Project

Solano County received a grant from the County Medical Services Program (CMSP) to develop and implement a community clinics project. The Community Clinics Pilot Project has two major components: the assessment of clients for social determinants of health and other risk factors, and prioritized delivery of case management services.

In Year 1 of the pilot project, the assessment tool and capacity will be developed and implemented, assessment workflow impacts will be identified and addressed, and networks for case management service referral will be developed.

The SIMI Group will provide informatics support for the pilot project, including development of the data collection (assessment) tool, integration with the clinic electronic medical records, application development, development of the countywide analytical database, and ongoing secure cloud-based hosting and operations.

SIMI shall:

- a. Provide informatics support for meaningful use, community health indicators, and statutory reporting from all the Federally Qualified Health Centers (FQHCs) operating in the county to Solano County;
- b. Perform an evaluation of the readiness of the FQHCs to:
  - i. Connect to the PPHealthHub and submit immunization and syndrome surveillance messages in compliance with public health reporting requirements and Meaningful Use;

- ii. Support the appropriate PRAPARE template (in NextGen or eClinicalWorks) and submit de-identified data to the County;
- iii. Provide an interim report based on the evaluation;
- c. Connect FQHCs to the PPHealthHub (when FQHCs are ready);
- d. Define and prototype an assessment tool for FQHCs based on questions and workflow developed for FHS;
- e. Deploy the assessment tool in the FHS NextGen Test environment including de-identified reporting to the countywide analytical data mart;
- f. Design and deploy a countywide analytic data mart hosted in the Cloud;
- g. Populate the countywide analytic data mart with sample/test data from Family Health Services so that all FQHCs can collaborate on improving data collection, identifying target questions and defining default analytics and dashboards;
- h. Provide a one-day education on the use of the online analytical data mart (2 people from each clinic);
- i. Provide ongoing maintenance and operations of the connectivity to the PPHealthHub for public health reporting; and
- j. Based on feedback in the Test environment, deploy an updated assessment tool in NextGen Production at FHS.

#### Assumptions

- Data processing and retention will be in the Microsoft Azure Government Cloud through this SIMI Agreement.

**EXHIBIT B-2**  
**BUDGET DETAIL AND PAYMENT PROVISIONS**

**A. Total Amount of Contract:**

The total amount of contract is: \$385,500.00.

**B. Budget details:**

1. H-ReX PPHealthHub Core Services and Statutory Reporting with Analytics
  - a. Items 1,2, and 3 in Exhibit A
  - b. \$78,000 total, invoiced monthly
  - c. Invoiced monthly at \$6,500.00 per month
  
2. Laboratory Information System and Diagnostic Professional Services
  - a. Item 4 in Exhibit A
  - b. \$45,000 total
  - c. Invoiced monthly based on completion of County-requested services per the Professional Services Rate schedule below
  
3. Family Health Services Informatics Professional Services
  - a. Item 5 in Exhibit A
  - b. \$12,000 total
  - c. Invoiced to the following schedule:
    - i. Delivery of sample report and template - \$3,000
    - ii. Other services to be invoiced per the Professional Services Rate Schedule below
  
4. H.E.A.T. Application Prototype and Deployment
  - a. Item 6 in Exhibit A
  - b. \$20,000 total
  - c. Invoiced to the following schedule:
    - i. Sandbox H.E.A.T. Data Connector implementation - \$5,000
    - ii. Production H.E.A.T. Data Connector implementation - \$5,000
    - iii. Monthly operation and support of H.E.A.T. Data Connector - \$1,000 per month post implementation in Production
    - iv. Other services to be invoiced per the Professional Services Rate Schedule below
  
5. Public Health Case Reporting Production and Maintenance
  - a. Item 7 in Exhibit A
  - b. \$34,000 total
  - c. Invoiced to the following schedule:
    - i. Loading of CDC/CSTE Reportable Conditions Knowledgebase ruleset - \$5,000
    - ii. Deployment in Production- \$5,000
    - iii. Monthly operation post-production deployment - \$20,000
    - iv. Other services to be invoiced per the Professional Services Rate Schedule below

6. Diabetes Condition Monitoring Prototype Definition and Demonstration
  - a. Item 8 in Exhibit A
  - b. \$6,000 total
  - c. Invoiced monthly at \$500.00 per month
  
7. Analytics Training and Professional Services
  - a. Item 9 in Exhibit A
  - b. \$6,000 total
  - c. Invoiced monthly based on the completion of County-requested services per the Professional Services Rate schedule below
  
8. H-ReX PPHealthHub Innovation Center and Consulting Services
  - a. Items 10, 11, 12 and 13 in Exhibit A
  - b. \$19,500 total (\$7,500 added to original contract, charged on Budget Unit 7809 – Realignment)
  - c. Invoiced monthly as services are provided in accordance with the Professional Services Rate Schedule below
  
9. Health Indicator and Social Determinants of Health Support and Professional Services
  - a. Item 14 in Exhibit A
  - b. \$34,500 total
  - c. Invoiced based upon the completion of the following deliverables:
    - Protocol for Responding to and Assessing Patients’ Asses, Risks, and Experiences (PRAPARE) Investigation and Report (\$6,000 total):
      - i. \$1,500 upon delivery of preliminary investigation report
      - ii. \$1,500 upon delivery of final report
      - iii. \$3,000 upon delivery of working prototype
      - iv. Charged on Budget Unit 7828 (LWCA)
    - Community Health Indicator and Social Determinants of Health Data Integration and Analytics (\$7,000 total):
      - i. \$1,750 upon delivery of interim report
      - ii. \$1,750 upon delivery of final report
      - iii. \$3,500 upon delivery of working mock-up intake form and sample analytics
      - iv. Charged on Budget Unit 7828 (LWCA)
    - NextGen Data Extracts Investigation and Excel Analytics (\$10,000 total):
      - i. \$2,500 upon delivery of interim report
      - ii. \$2,500 upon delivery of final report
      - iii. \$5,000 upon delivery of data repository and Excel analytics
      - iv. Partly charged on Budget Unit 7828 (LWCA, \$2,000) and Budget Unit 7809 (Realignment, \$8,000)
    - Solano Family Health Services (FHS) and County IT Work Plan Development (\$3,500 total):
      - i. \$1,750 upon delivery of draft work plans
      - ii. \$1,750 upon delivery of final work plans
      - iii. Charged on Budget Unit 7809 (Realignment)
    - Additional Related Services as directed by County staff per SIMI rate schedule below or per identified fixed price work effort to be

invoiced monthly (\$8,000 total charged on Budget Unit 7809 -  
Realignment)

10. Public Health Laboratory Terminology and Point of Care

- a. Item 15 in Exhibit A
- b. \$46,500 total
- c. Invoiced based upon the completion of the following deliverables:
  - i. \$10,000 upon delivery of final terminology coding report
  - ii. \$6,500 upon delivery of POCT study final report
  - iii. \$7,500 invoiced monthly for Orchard Information and Communications Technology support (up to a maximum of \$22,500)
  - iv. \$7,500 invoiced based upon completion of County-requested services per the Professional Services Rate Schedule below
  - v. Charged on Budget Unit 7807 (Public Health Laboratory)

11. Family Health Services Population Data Mart

- a. Item 16 in Exhibit A
- b. \$34,000 total
- c. Invoiced based upon the completion of the following deliverables:
  - i. \$4,000 upon set up and configuration of data mart
  - ii. \$4,000 upon development of analytical and visualization tool
  - iii. \$4,000 upon development of dashboard
  - iv. \$4,000 upon completion of training sessions
  - v. \$4,000 invoiced monthly for configuration, maintenance, hosting and operations (up to a maximum of \$12,000)
  - vi. \$6,000 invoiced based upon completion of County-requested services per the Professional Services Rate Schedule below
  - vii. Charged on Budget Unit 7809

12. Community Clinics Pilot Project

- a. Item 17 in Exhibit A
- b. \$50,000 total
- c. Invoiced based upon the completion of the following deliverables:
  - i. \$5,000 upon delivery of readiness evaluation report
  - ii. \$5,000 upon delivery of prototype assessment tool
  - iii. \$8,000 upon deployment of countywide analytic data mart
  - iv. \$2,000 upon completion of one-day training session
  - v. \$1,000 upon delivery of updated assessment tool
  - vi. \$7,000 invoiced upon completion of IT configuration, \$4,000 invoiced monthly for maintenance, hosting and operations (up to a maximum of \$12,000)
  - vii. \$10,000 invoiced based upon completion of County-requested services per the Professional Services Rate Schedule below
  - viii. Charged on Budget Unit 7809 (CMSP Funding, \$35,000)

SIMI Professional Services Rate Schedule

<b>Professional Service</b>	<b>Code</b>	<b>Hourly Rate</b>
Technical Subject Matter Expert	SME	\$250.00
Health Analyst	HEA	\$200.00
Systems Architect	ARCH	\$175.00
Project Manager	PM	\$150.00
Data Base Analyst	DBA	\$150.00
Systems Analysts	SA	\$120.00
Senior Developer	SDev	\$120.00
Developer	Dev	\$92.00
Trainer	Train	\$75.00
Technical Writer	TWrite	\$75.00

**C. Method of Payment**

Upon submission of an invoice by Contractor, and upon approval by County, County shall pay Contractor monthly in arrears for fees and expenses actually incurred the prior month, up to the maximum amount. Monthly claims for payment must be submitted to County by the 15th day of the subsequent month. The final invoice for each fiscal year must be received no later than 45 days after the end of the fiscal year. County reserves the right, at its sole discretion, to deny any claims for payment received after this date.