

Supplemental Table 1 A: Infectious ICD 9 codes

1144	TUBERCULOUS FIBROSIS OF LUNG, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1145	TUBERCULOUS FIBROSIS OF LUNG, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL EXAMINATION, BUT TUBERCULOSIS CONFIRMED HISTOLOGICALLY
1200	TUBERCULOSIS PLEURISY, UNSPECIFIED
1202	TUBERCULOSIS PLEURISY, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION UNKNOWN (AT PRESENT)
1206	TUBERCULOSIS PLEURISY, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL OR HISTORICAL EXAMINATION BUT TUBERCULOSIS CONFIRMED BY OTHER METHODS]
1215	TUBERCULOSIS OF INTRATHORACIC LYMPH NODES, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL EXAMINATION, BUT TUBERCULOSIS CONFIRMED HISTOLOGICALLY
1401	TUBERCULOUS PERITONITIS, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION NOT DONE
1404	TUBERCULOUS PERITONITIS, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1500	TUBERCULOSIS OF BONES AND JOINTS: VERTEBRAL COLUMN, UNSPECIFIED
1504	TUBERCULOSIS OF BONES AND JOINTS: VERTEBRAL COLUMN, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1523	TUBERCULOSIS OF BONES AND JOINTS: KNEE, TUBERCLE BACILLI FOUND (IN SPUTUM) BY MICROSCOPY
1720	TUBERCULOSIS OF OTHER ORGANS: PERIPHERAL LYMPH NODES, UNSPECIFIED
1722	TUBERCULOSIS OF OTHER ORGANS: PERIPHERAL LYMPH NODES, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION UNKNOWN (AT PRESENT)
1724	TUBERCULOSIS OF OTHER ORGANS: PERIPHERAL LYMPH NODES, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1790	TUBERCULOSIS OF OTHER ORGANS: OTHER SPECIFIED ORGANS, UNSPECIFIED
1794	TUBERCULOSIS OF OTHER ORGANS: OTHER SPECIFIED ORGANS, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1883	OTHER SPECIFIED MILIARY TUBERCULOSIS, TUBERCLE BACILLI FOUND (IN SPUTUM) BY MICROSCOPY
1890	MILIARY TUBERCULOSIS, UNSPECIFIED, UNSPECIFIED
1894	MILIARY TUBERCULOSIS, UNSPECIFIED, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
312	DIS DUE TO OTHER MYCOBACTERIA: DISSEMINATED
340	STREP SORE THROAT OCT05-
35	ERYSIPELAS OCT05-
402	WHIPPLE'S DISEASE OCT05-

913	SECONDARY SYPHILLIS OF SKIN OR MUCOUS MEMBRANES
949	NEUROSYPHILLIS, UNSPECIFIED
980	ACUTE GC INFECT LOWER GU OCT05-
9953	LOWER GENITOURINARY SITES (CHLAMYDIA TRACHOMATIS)
9954	OTHER GENITOURINARY SITES (CHLAMYDIA TRACHOMATIS)
3229	MENINGITIS NOS OCT05-
36000	PURULENT ENDOPHTHALM NOS OCT05-
36001	ACUTE ENDOPHTHALMITIS OCT05-
37200	ACUTE CONJUNCTIVITIS NOS OCT05-
37220	BLEPHAROCONJUNCTIVIT NOS OCT05-
37230	CONJUNCTIVITIS NOS OCT05-
37313	ABSCESS OF EYELID OCT05-
37532	ACUTE DACRYOCYSTITIS OCT05-
38003	CHONDRITIS OF PINNA
38010	INFECTION OTITIS EXTERNA NOS OCT05-
38014	MALIGNANT OTITIS EXTERNA OCT05-
38200	AC SUPP OTITIS MEDIA NOS OCT05-
38201	AC SUPP OM W DRUM RUPT OCT05-
3824	SUPPUR OTITIS MEDIA NOS OCT05-
3829	OTITIS MEDIA NOS OCT05-
38300	AC MASTOIDITIS W/O COMPL OCT05-
38302	AC MASTOIDITIS-COMPL NEC OCT05-
4610	AC MAXILLARY SINUSITIS OCT05-
4611	AC FRONTAL SINUSITIS OCT05-
4612	AC ETHMOIDAL SINUSITIS OCT05-
4613	AC SPHENOIDAL SINUSITIS OCT05-
4618	OTHER ACUTE SINUSITIS OCT05-
4619	ACUTE SINUSITIS NOS OCT05-
462	ACUTE PHARYNGITIS OCT05-
463	ACUTE TONSILLITIS OCT05-
46400	ACUTE LARYNGITIS W/O MENTION OF OBSTRUCTION
46410	ACUTE TRACHEITIS W/O MENTION OF OBSTRUCTION
46411	ACUTE TRACHEITIS WITH OBSTRUCTION
46430	AC EPIGLOTTITIS NO OBSTR OCT05-
46431	AC EPIGLOTTITIS W OBSTR OCT05-
46450	SUPRAGLOTTITIS, UNSPECIFIED, WITHOUT MENTION OF OBSTRUCTION
46451	SUPRAGLOTTITIS, UNSPECIFIED, WITH OBSTRUCTION
475	PERITONSILLAR ABSCESS OCT05-
47822	PARAPHARYNGEAL ABSCESS OCT05-
47824	RETROPHARYNGEAL ABSCESS OCT05-
51901	TRACHEOSTOMY INFECTION OCT05-
5225	PERIAPICAL ABSCESS OCT05-
52331	AGGRES PERIODONTITIS,LOC OCT06-
52333	ACUTE PERIODONTITIS OCT06-
5273	SALIVARY GLAND ABSCESS OCT05-
5283	CELLULITIS/ABSCESS MOUTH OCT05-
56731	PSOAS MUSCLE ABSCESS OCT05-
56738	RETROPERITON ABSCESS NEC OCT05-

56739	RETROPERITON INFECT NEC OCT05-
56782	SCLEROSING MEENTERITIS OCT05-
57400	CHOLELITH W AC CHOLECYST
57401	CHOLELITH/AC GB INF-OBST
57430	CHOLEDOCHOLITH/AC GB INF
57431	CHOLEDOCHLITH/AC GB-OBST
57460	GALL&BIL CAL W/AC W/O OB
57461	GALL&BIL CAL W/AC W OBS
57480	GAL&BIL CAL W/AC&CHR W/O
57481	GAL&BIL CAL W/AC&CH W OB
57512	AC&CHRON CHOLECYSTITIS OCT05-
5754	PERFORATION GALLBLADDER
5761	CHOLANGITIS
5770	ACUTE PANCREATITIS OCT05-
59581	CYSTITIS CYSTICA OCT05-
6144	CHRON OR UNSP CELLULITIS OCT05-
6149	PID NOS OCT05-
6160	CERVICITIS OCT05-
61610	VAGINITIS NOS OCT05-
6390	POSTABORTION GU INFECT OCT05-
64783	INFECT DIS NEC-ANTEPART OCT05-
64784	INFECT DIS NEC-POSTPART OCT05-
64793	INFECT NOS-ANTEPARTUM OCT05-
683	ACUTE LYMPHADENITIS OCT05-
68609	PYODERMA OTHER OCT05-
69581	RITTER'S DISEASE OCT05-
7280	INFECTIVE MYOSITIS OCT05-
7854	GANGRENE OCT05-
9583	POSTTRAUMATIC WOUND INFECTION NOT ELSEWHERE CLASSIFIED
99590	SIRS, NOS OCT05-
99762	INFECTION AMPUTAT STUMP OCT05-
31	SALMONELLA SEPTICEMIA
362	MENINGOCOCCEMIA
380	STREPTOCOCCAL SEPTICEMIA
3810	STAPHYLCOCC SEPTICEMIA NOS
3811	METHICILLIN SUSCEPTIBLE STAPHYLOCOCCUS AUREUS SEPTICEMIA OCT08-
3812	METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS SEPTICEMIA OCT08-
3819	STAPHYLCOCC SEPTICEM NEC
382	PNEUMOCOCCAL SEPTICEMIA
383	ANAEROBIC SEPTICEMIA
3840	GRAM-NEG SEPTICEMIA NOS
3841	H. INFLUENAE SEPTICEMIA
3842	E COLI SEPTICEMIA
3843	PSEUDOMONAS SEPTICEMIA
3844	SERRATIA SEPTICEMIA
3849	GRAM-NEG SEPTICEMIA NEC

388	SEPTICEMIA NEC
389	SEPTICEMIA NOS
4082	TOXIC SHOCK SYNDROME
78552	SEPTIC SHOCK
7907	BACTEREMIA
99591	SIRS-INFECT W/O ORG DYSF (SEPSIS)
99592	SIRS-INFECT W ORGAN DYSF (SEVERE SEPSIS)
71100	PYOGEN ARTHRITIS-UNSPEC
71101	PYOGEN ARTHRITIS-SHLDER
71102	PYOGEN ARTHRITIS-UP/ARM
71103	PYOGEN ARTHRITIS-FOREARM
71104	PYOGEN ARTHRITIS-HAND
71105	PYOGEN ARTHRITIS-PELVIS
71106	PYOGEN ARTHRITIS-L/LEG
71107	PYOGEN ARTHRITIS-ANKLE
71108	PYOGEN ARTHRITIS NEC
71109	PYOGEN ARTHRITIS-MULT
71191	INF ARTHRITIS NOS-SHLDER
71192	INF ARTHRITIS NOS-UP/ARM
71193	INF ARTHRIT NOS-FOREARM
71195	INF ARTHRIT NOS-PELVIS
71197	INF ARTHRIT NOS-ANKLE
73001	AC OSTEOMYELITIS-SHLDER
73002	AC OSTEOMYELITIS-UP/ARM
73004	AC OSTEOMYELITIS-HAND
73005	AC OSTEOMYELITIS-PELVIS
73006	AC OSTEOMYELITIS-L/LEG
73007	AC OSTEOMYELITIS-ANKLE
73008	AC OSTEOMYELITIS NEC
73020	OSTEOMYELITIS NOS-UNSPEC
73021	OSTEOMYELITIS NOS-SHLDER
73022	OSTEOMYELITIS NOS-UP/ARM
73023	OSTEOMYELIT NOS-FOREARM
73024	OSTEOMYELITIS NOS-HAND
73025	OSTEOMYELITIS NOS-PELVIS
73026	OSTEOMYELITIS NOS-L/LEG
73027	OSTEOMYELITIS NOS-ANKLE
73028	OSTEOMYELIT NOS-OTH SITE
73029	OSTEOMYELITIS NOS-MULT
73096	BONE INFECT NOS-L/LEG
73097	BONE INFECT NOS-ANKLE
4210	AC/SUBAC BACT ENDOCARD
4219	AC/SUBAC ENDOCARDIT NOS
361	MENINGOCOCC ENCEPHALITIS
3201	PNEUMOCOCCAL MENINGITIS
3202	STREPTOCOCCAL MENINGITIS
3203	STAPHYLOCOCC MENINGITIS
32082	MENINGITIS GRAM-NEG BCT NEC

32089	MENINGITIS OTH SPCF BACT
3209	BACTERIAL MENINGITIS NOS
3240	INTRACRANIAL ABSCESS
3241	INTRASPINAL ABSCESS
3249	CNS ABSCESS NOS
53641	GASTROSTOMY INFECTION
56961	COLOSTY/ENTEROST INFECTN
99660	INFECT INFLAMM DEVICE IMPLANT GRAFT NOS
99661	INFECT INFLAMM CARDIAC DEVICE IMPLANT GRAFT
99663	INFECT INFLAMM NERV DEVICE IMPLANT GRAFT
99664	INFECT INFLAMM URINARY CATH
99665	INFECT INFLAMM GU DEVICE IMPLANT GRAFT
99666	INFECT INFLAMM JOINT PROSTH
99667	INFECT INFLAMM OTH ORTHOP DEVICE IMPLANT GRAFT NOS
99669	INFECT INFLAMM OTH DEVICE IMPLANT GRAFT
99731	VENTILATOR ASSOCIATED PNEUMONIA OCT08-
99851	INFECTED POSTOP SEROMA
99939	INFECTION FOLLOWING OTHER INFUSION, INJECTION, TRANSFUSION, OR VACCINATION
99662	INFECT INFLAMM VASCULAR DEVICE IMPLANT GRAFT
99668	INFECT INFLAMM DUE TO PERITONEAL DIALYSIS CATHETER
99931	OTHER AND UNSPECIFIED INFECTION DUE TO CENTRAL VENOUS CATHETER OCT07-OCT11
30	SALMONELLA ENTERITIS
50	STAPH FOOD POISONING
52	FOOD POIS D/T C. PERFRIN
800	INTEST INFEC E COLI NOS
809	INT INF E COLI NEC
841	STAPHYLOCOCC ENTERITIS
842	PSEUDOMONAS ENTERITIS
843	INT INFEC CAMPYLOBACTER
844	INT INF YRSNIA ENTRCLTCA
845	INT INF CLSTRDIUM DFCILE
846	INTES INFEC OTH ANEROBES
847	INT INF OTH GRM NEG BCTR
849	BACTERIAL ENTERITIS NEC
85	BACTERIAL ENTERITIS NOS
90	INFECTIOUS COLITIS, ENTERITIS, AND GASTROENTERITIS
91	COLITIS, ENTERITIS, AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN
92	INFECTIOUS DIARRHEA
93	DIARRHEA OF PRESUMED INFECTIOUS ORIGIN
5400	AC APPEND W PERITONITIS
5401	ABSCESS OF APPENDIX
5409	ACUTE APPENDICITIS NOS
541	APPENDICITIS NOS
542	OTHER APPENDICITIS

56201	DVRTCLI SML INT W/O HMRG
56203	DVRTCLI SML INT W HMRHG
56211	DVRTCLI COLON W/O HMRHG
56213	DVRTCLI COLON W HMRHG
566	ANAL & RECTAL ABSCESS
5695	INTESTINAL ABSCESS
5720	ABSCESS OF LIVER
5721	PORTAL PYEMIA
5750	ACUTE CHOLECYSTITIS (W/O MENTION OF CALCULUS)
57510	CHOLECYSTITIS, UNSPECIFIED
59010	AC PYELONEPHRITIS NOS
5902	RENAL/PERIRENAL ABSCESS
5903	PYELOURETERITIS CYSTICA
59080	PYELONEPHRITIS NOS
5909	INFECTION OF KIDNEY NOS
5950	ACUTE CYSTITIS
59589	CYSTITIS NEC
5959	CYSTITIS NOS
5990	URIN TRACT INFECTION NOS
6010	ACUTE PROSTATITIS
6012	ABSCESS OF PROSTATE
6013	PROSTATOCYSTITIS
6019	PROSTATITIS NOS
6040	ORCHITIS WITH ABSCESS
60490	ORCHITIS/EPIDIDYMIT NOS
6071	BALANOPOSTHITIS
6140	AC SALPINGO-OOPHORITIS OCT05-
6142	SALPINGO-OOPHORITIS NOS OCT05-
6143	ACUTE PARAMETRITIS OCT05-
6145	AC PELV PERITONITIS-FEM OCT05-
6159	UTERINE INFLAM DIS NOS OCT05-
6164	ABSCESS OF VULVA NEC
56721	PERITONITIS (ACUTE) GEN OCT05-
56722	PERITONEAL ABSCESS OCT05-
56723	SPONTAN BACT PERITONITIS OCT05-
56729	SUPPURAT PERITONITIS NEC OCT05-
56789	PERITONITIS NEC OCT05-
5679	PERITONITIS NOS
322	SALMONELLA PNEUMONIA
1155	TUBERCULOUS BRONCHIECTASIS, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL EXAMINATION, BUT TUBERCULOSIS CONFIRMED HISTOLOGICALLY
1190	PULMONARY TUBERCULOSIS, UNSPECIFIED, UNSPECIFIED
1192	PULMONARY TUBERCULOSIS, UNSPECIFIED, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION UNKNOWN (AT PRESENT)
1193	PULMONARY TUBERCULOSIS, UNSPECIFIED, TUBERCLE BACILLI FOUND (IN SPUTUM) BY MICROSCOPY
1194	PULMONARY TUBERCULOSIS, UNSPECIFIED, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1195	PULMONARY TUBERCULOSIS, UNSPECIFIED, TUBERCLE BACILLI NOT FOUND BY

	BACTERIOLOGICAL EXAMINATION, BUT TUBERCULOSIS CONFIRMED HISTOLOGICALLY
1196	PULMONARY TUBERCULOSIS, UNSPECIFIED, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL OR HISTORICAL EXAMINATION BUT TUBERCULOSIS CONFIRMED BY OTHER METHODS
310	DIS DUE TO OTHER MYCOBACTERIA: PULMONARY
339	WHOOPING COUGH NOS
391	PULMONARY ACTINOMYCOSIS
4660	ACUTE BRONCHITIS
481	PNEUMOCOCCAL PNEUMONIA
4820	K. PNEUMONIAE PNEUMONIA
4821	PSEUDOMONAL PNEUMONIA
4822	H.INFLUENZAE PNEUMONIA
48230	STREPTOCOCCAL PNEUMN NOS
48231	PNEUMONIA STREPTOCOCCUS A
48239	PNEUMONIA OTH STREP
48240	STAPHYLOCOCCAL PNEU NOS
48241	METHICILLIN SUSCEPTIBLE PNEUMONIA DUE TO STAPHYLOCOCCUS AUREUS OCT08-
48242	METHICILLIN RESISTANT PNEUMONIA DUE TO STAPHYLOCOCCUS AUREUS OCT08-
48249	STAPH PNEUMONIA NEC
48281	PNEUMONIA ANAEROBES
48282	PNEUMONIA E COLI
48283	PNEUMO OTH GRM-NEG BACT
48284	LEGIONNAIRES' DISEASE
48289	PNEUMONIA OTH SPCF BACT
4829	BACTERIAL PNEUMONIA NOS
4830	MYCOPLASMA PNEUMONIAE
485	BRONCHOPNEUMONIA ORG NOS
490	BRONCHITIS
49122	OBS CHR BRONC W AC BRONC
4941	BRONCHIECTASIS W AC EXAC
5100	EMPHYEMA WITH FISTULA
5109	EMPHYEMA W/O FISTULA
5111	BACT PLEUR/EFFUS NOT TB
5130	ABSCESS OF LUNG
5131	ABSCESS OF MEDIASTINUM
311	DIS DUE TO OTHER MYCOBACTERIA: CUTANEOUS
400	GAS GANGRENE
37601	ORBITAL CELLULITIS
6800	CARBUNCLE OF FACE
6802	CARBUNCLE OF TRUNK
6803	CARBUNCLE OF ARM
6805	CARBUNCLE OF BUTTOCK
6806	CARBUNCLE OF LEG
6808	CARBUNCLE, SITE NEC
6809	CARBUNCLE NOS
68101	FELON
68110	CELLULITIS, TOE NOS

6819	CELLULITIS OF DIGIT NOS
6820	CELLULITIS OF FACE
6821	CELLULITIS OF NECK
6822	CELLULITIS OF TRUNK
6823	CELLULITIS OF ARM
6824	CELLULITIS OF HAND
6825	CELLULITIS OF BUTTOCK
6826	CELLULITIS OF LEG
6827	CELLULITIS OF FOOT
6828	CELLULITIS, SITE NEC
6829	CELLULITIS, SITE NOS
6850	PILONIDAL CYST WITH ABSCESS
6868	LOCAL SKIN INFECTION NEC
6869	LOCAL SKIN INFECTION NOS
72886	NECROTIZING FASCIITIS
323	SALMONELLA ARTHRITIS
324	SALMONELLA OSTEOMYELITIS
3682	MENINGOCOCC ARTHROPATHY
37603	ORBITAL OSTEOMYELITIS
71140	ARTHROPATHY ASSOC WITH OTH BACTERIALDISEASE-UNSPEC
71141	ARTHROPATHY ASSOC WITH OTH BACTERIAL DISEASE-SHLDER
71142	ARTHROPATHY ASSOC WITH OTH BACTERIAL DISEASE-UP/ARM
71143	ARTHROPATHY ASSOC WITH OTH BACTERIAL DISEASE-FOREARM
71144	ARTHROPATHY ASSOC WITH OTH BACTERIAL DISEASEPYOGEN ARTHRITIS-HAND
71145	ARTHROPATHY ASSOC WITH OTH BACTERIAL DISEASE-PELVIS
71146	ARTHROPATHY ASSOC WITH OTH BACTERIAL DISEASE-L/LEG
71147	ARTHROPATHY ASSOC WITH OTH BACTERIAL DISEASE-ANKLE
71148	ARTHROPATHY ASSOC WITH OTH BACTERIAL DISEASE NEC
71149	ARTHROPATHY ASSOC WITH OTH BACTERIAL DISEASE-MULT
71190	INF ARTHRITIS NOS-UNSPEC
71194	INF ARTHRIT NOS-HAND
71196	INF ARTHRIT NOS-L/LEG
71198	INF ARTHRIT NOS-OTH SITE
71199	INF ARTHRITIS NOS-MULT
73000	AC OSTEOMYELITIS-UNSPEC
73003	AC OSTEOMYELITIS-FOREARM
73009	AC OSTEOMYELITIS-MULT
73080	BONE INFECT NEC-UNSPEC
73081	BONE INFECT NEC-SHLDER
73082	BONE INFECT NEC-UP/ARM
73083	BONE INFECT NEC-FOREARM
73084	BONE INFECT NEC-HAND
73085	BONE INFECT NEC-PELVIS
73086	BONE INFECT NEC-L/LEG
73087	BONE INFECT NEC-ANKLE
73088	BONE INFECT NEC-OTH SITE
73089	BONE INFECT NEC-MULT
73090	BONE INFEC NOS-UNSP SITE



73091	BONE INFECT NOS-SHLDER
73092	BONE INFECT NOS-UP/ARM
73093	BONE INFECT NOS-FOREARM
73094	BONE INFECT NOS-HAND
73095	BONE INFECT NOS-PELVIS
73098	BONE INFECT NOS-OTH SITE
73099	BONE INFECT NOS-MULT
3282	DIPHTherITIC MYOCARDITIS
3640	MENINGOCOCC CARDITIS NOS
3641	MENINGOCOCC PERICARDITIS
3642	MENINGOCOCC ENDOCARDITIS
3643	MENINGOCOCC MYOCARDITIS
3910	ACUTE RHEUMATIC PERICARDITIS
3911	ACUTE RHEUMATIC ENDOCARDITIS
3912	ACUTE RHEUMATIC MYOCARDITIS
3918	OTHER RHEUMATIC HEART DISEASE
3919	ACUTE RHEUMATIC HEART DISEASE, UNSPEC
3920	RHEUMATIC CHOREA WITH HEART INVOLVEMENT
4211	AC/SUBAC INFECT ENDOCARD
4220	ACUTE MYOCARDITIS IN DIS SPECIFIED ELSEWHERE
42292	SEPTIC MYOCARDITIS
321	SALMONELLA MENINGITIS
360	MENINGOCOCCAL MENINGITIS
3200	HEMOPHILUS MENINGITIS
3207	MENING IN OTH BACT DIS
32081	ANAEROBIC MENINGITIS
53086	INFECTION OF ESOPHAGOSTOMY
53901	INFECTION DUE TO GASTRIC BAND SURGERY OCT11-
53981	INFECTION DUE TO OTHER BARIATRIC PROCEDURE OCT11-
99802	POSTOPERATIVE SHOCK, SEPTIC
99859	OTHER POSTOP INFECTION
99934	ACUTE INFECTION FOLLOWING TRANSFUSION,INFUSION, OR INJECTION BLOOD/PROD OCT11
99932	BLOODSTREAM INFECTION DUE TO CENTRAL VENOUS CATHETER OCT11-
99933	LOCAL INFECTION DUE TO CENTRAL VENOUS CATHETER OCT11-
38	SALMONELLA INFECTION NEC
39	SALMONELLA INFECTION NOS
40	SHIGELLA DYSENTERIAE
41	SHIGELLA FLEXNERI
43	SHIGELLA SONNEI
48	SHIGELLA INFECTION NEC
49	SHIGELLOSIS NOS
51	BOTULISM
53	FOOD POIS: CLOSTRID NEC
54	FOOD POIS: V. PARAHAEM
581	FOOD POISN D/T V. VULNIF
589	BACT FOOD POISONING NEC
59	FOOD POISONING NOS
801	INT INF E COLI ENTRPATH

802	INT INF E COLI ENTEROTOXIGENIC
803	INT INF E COLI ENTEROINVASIVE
804	INT INF E COLI ENTEROHEMORRHAGIC
81	ARIZONA ENTERITIS
82	AEROBACTER ENTERITIS
83	PROTEUS ENTERITIS
392	ACTINOMYCOTIC INFECTIONS – ABDOMEN
3284	DIPHThERITIC CYSTITIS
59011	AC PYELONEPHR W MED NECR
59081	PYELONEPHRIT IN OTH DIS
5954	CYSTITIS IN OTH DIS
5970	URETHRAL ABSCESS
59800	URETHRAL STRICTURE DUE TO UNSPEC INFECTION
59801	URETHRAL INFECTION DUE TO INFECTION CLASSIFIED ELSEWHERE
6014	PROSTATITIS IN OTH DIS
6031	INFECTED HYDROCELE
60491	ORCHITIS IN OTH DISEASE
6080	SEMINAL VESICULITIS
6163	BARTHOLIN'S GLND ABSCESS
3283	DIPHThERITIC PERITONITIS
5670	PERITONITIS IN INFEC DIS
5671	PNEUMOCOCCAL PERITONITIS
5672	SUPPURAT PERITONITIS NEC
1100	TUBERCULOSIS OF LUNG, INFILTRATIVE, UNSPECIFIED
1101	TUBERCULOSIS OF LUNG, INFILTRATIVE, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION NOT DONE
1102	TUBERCULOSIS OF LUNG, INFILTRATIVE, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION UNKNOWN (AT PRESENT)
1103	TUBERCULOSIS OF LUNG, INFILTRATIVE, TUBERCLE BACILLI FOUND (IN SPUTUM) BY MICROSCOPY
1104	TUBERCULOSIS OF LUNG, INFILTRATIVE, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1105	TUBERCULOSIS OF LUNG, INFILTRATIVE, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL EXAMINATION, BUT TUBERCULOSIS CONFIRMED HISTOLOGICALLY
1106	TUBERCULOSIS OF LUNG, INFILTRATIVE, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL OR HISTORICAL EXAMINATION BUT TUBERCULOSIS CONFIRMED BY OTHER METHODS
1110	TUBERCULOSIS OF LUNG, NODULAR, UNSPECIFIED
1111	TUBERCULOSIS OF LUNG, NODULAR, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION NOT DONE
1112	TUBERCULOSIS OF LUNG, NODULAR, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION UNKNOWN (AT PRESENT)
1113	TUBERCULOSIS OF LUNG, NODULAR, TUBERCLE BACILLI FOUND (IN SPUTUM) BY MICROSCOPY
1114	TUBERCULOSIS OF LUNG, NODULAR, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1115	TUBERCULOSIS OF LUNG, NODULAR, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL EXAMINATION, BUT TUBERCULOSIS CONFIRMED HISTOLOGICALLY
1116	TUBERCULOSIS OF LUNG, NODULAR, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL OR HISTORICAL EXAMINATION BUT TUBERCULOSIS CONFIRMED BY OTHER METHODS

1120	TUBERCULOSIS OF LUNG, WITH CAVITATION, UNSPECIFIED
1121	TUBERCULOSIS OF LUNG, WITH CAVITATION, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION NOT DONE
1122	TUBERCULOSIS OF LUNG, WITH CAVITATION, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION UNKNOWN (AT PRESENT)
1123	TUBERCULOSIS OF LUNG, WITH CAVITATION, TUBERCLE BACILLI FOUND (IN SPUTUM) BY MICROSCOPY
1124	TUBERCULOSIS OF LUNG, WITH CAVITATION, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1125	TUBERCULOSIS OF LUNG, WITH CAVITATION, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL EXAMINATION, BUT TUBERCULOSIS CONFIRMED HISTOLOGICALLY
1126	TUBERCULOSIS OF LUNG, WITH CAVITATION, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION BUT TUBERCULOSIS CONFIRMED BY OTHER METHODS
1130	TUBERCULOSIS OF BRONCHUS, UNSPECIFIED
1131	TUBERCULOSIS OF BRONCHUS, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION NOT DONE
1132	TUBERCULOSIS OF BRONCHUS , BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION UNKNOWN (AT PRESENT)
1133	TUBERCULOSIS OF BRONCHUS, TUBERCLE BACILLI FOUND (IN SPUTUM) BY MICROSCOPY
1134	TUBERCULOSIS OF BRONCHUS, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1135	TUBERCULOSIS OF BRONCHUS, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL EXAMINATION, BUT TUBERCULOSIS CONFIRMED HISTOLOGICALLY
1136	TUBERCULOSIS OF BRONCHUS, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION BUT TUBERCULOSIS CONFIRMED BY OTHER METHODS
1150	TUBERCULOUS BRONCHIECTASIS, UNSPECIFIED
1151	TUBERCULOUS BRONCHIECTASIS, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION NOT DONE
1152	TUBERCULOUS BRONCHIECTASIS, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION UNKNOWN (AT PRESENT)
1153	TUBERCULOUS BRONCHIECTASIS, TUBERCLE BACILLI FOUND (IN SPUTUM) BY MICROSCOPY
1154	TUBERCULOUS BRONCHIECTASIS, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1156	TUBERCULOUS BRONCHIECTASIS, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION BUT TUBERCULOSIS CONFIRMED BY THER METHODS
1160	TUBERCULOUS PNEUMONIA [ANY FORM], UNSPECIFIED
1161	TUBERCULOUS PNEUMONIA [ANY FORM], BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION NOT DONE
1162	TUBERCULOUS PNEUMONIA [ANY FORM], BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION UNKNOWN (AT PRESENT)
1163	TUBERCULOUS PNEUMONIA [ANY FORM], TUBERCLE BACILLI FOUND (IN SPUTUM) BY MICROSCOPY
1164	TUBERCULOUS PNEUMONIA [ANY FORM], TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1165	TUBERCULOUS PNEUMONIA [ANY FORM], TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL EXAMINATION, BUT TUBERCULOSIS CONFIRMED HISTOLOGICALLY
1166	TUBERCULOUS PNEUMONIA [ANY FORM], TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION BUT TUBERCULOSIS CONFIRMED BY OTHER METHODS]

1170	TUBERCULOUS PNEUMOTHORAX, UNSPECIFIED
1171	TUBERCULOUS PNEUMOTHORAX, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION NOT DONE
1172	TUBERCULOUS PNEUMOTHORAX, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION UNKNOWN (AT PRESENT)
1173	TUBERCULOUS PNEUMOTHORAX, TUBERCLE BACILLI FOUND (IN SPUTUM) BY MICROSCOPY
1174	TUBERCULOUS PNEUMOTHORAX, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1175	TUBERCULOUS PNEUMOTHORAX, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL EXAMINATION, BUT TUBERCULOSIS CONFIRMED HISTOLOGICALLY
1176	TUBERCULOUS PNEUMOTHORAX, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION BUT TUBERCULOSIS CONFIRMED BY OTHER METHODS
1180	OTHER SPECIFIED PULMONARY TUBERCULOSIS, UNSPECIFIED
1181	OTHER SPECIFIED PULMONARY TUBERCULOSIS, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION NOT DONE
1182	OTHER SPECIFIED PULMONARY TUBERCULOSIS, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION UNKNOWN (AT PRESENT)
1183	OTHER SPECIFIED PULMONARY TUBERCULOSIS, TUBERCLE BACILLI FOUND (IN SPUTUM) BY MICROSCOPY
1184	OTHER SPECIFIED PULMONARY TUBERCULOSIS, TUBERCLE BACILLI NOT FOUND (IN SPUTUM) BY MICROSCOPY, BUT FOUND BY BACTERIAL CULTURE
1185	OTHER SPECIFIED PULMONARY TUBERCULOSIS, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL EXAMINATION, BUT TUBERCULOSIS CONFIRMED HISTOLOGICALLY
1186	OTHER SPECIFIED PULMONARY TUBERCULOSIS, TUBERCLE BACILLI NOT FOUND BY BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION BUT TUBERCULOSIS CONFIRMED BY OTHER METHODS
1191	PULMONARY TUBERCULOSIS, UNSPECIFIED, BACTERIOLOGICAL OR HISTOLOGICAL EXAMINATION NOT DONE
330	BORDETELLA PERTUSSIS
338	WHOOPING COUGH NEC
730	ORNITHOSIS WITH PNEUMONIA
48232	PNEUMONIA STREPTOCOCCUS B
4831	CHLAMYDIA PNEUMONIA
4838	PNEUMONIA DUE TO OTHER SPECIFIED ORGANISM
4843	PNEUMONIA IN WHOOPING COUGH
4848	PNEUMONIA IN OTHER INF DIS
486	PNEUMONIA, ORGANISM NOS
5192	MEDIASTINITIS
3285	CUTANEOUS DIPHTHERIA
390	CUTANEOUS ACTINOMYCOSIS
6801	CARBUNCLE OF NECK
6804	CARBUNCLE OF HAND
6807	CARBUNCLE OF FOOT
68100	CELLULITIS, FINGER NOS
68111	ONYCHIA OF TOE
684	IMPETIGO

Supplemental Table 1 B Cardiovascular ICD 9 Procedure codes:

<b>PROC</b>	<b>Description</b>
0.6	Insertion of drug-eluting stent of superficial femoral artery
0.61	Percutaneous angioplasty of extracranial vessels
0.62	Percutaneous angioplasty of intracranial vessels
0.63	Percutaneous insertion of carotid artery stents
0.64	Percutaneous insertion of other extracranial artery stents
0.65	Percutaneous insertion of intracranial vascular stents
0.66	PTCA
17.53	Percutaneous atherectomy of extracranial vessel(s)
17.54	Percutaneous atherectomy of intracranial vessel(s)
17.55	Transluminal coronary atherectomy
36.03	Open chest coronary artery angioplasty
36.04	Intracoronary artery thrombolytic infusion
36.06	Insertion of non-drug-eluting coronary artery stent(s)
36.07	Insertion of drug-eluting coronary artery stent(s)
36.09	Other removal of coronary artery obstruction
36.1	Aortocoronary bypass for heart revascularization, not otherwis
36.11	(Aorto)coronary bypass of one coronary artery
36.12	(Aorto)coronary bypass of two coronary arteries
36.13	(Aorto)coronary bypass of three coronary arteries
36.14	(Aorto)coronary bypass of four or more coronary arteries
36.15	Single internal mammary-coronary artery bypass
36.16	Double internal mammary-coronary artery bypass

36.17	Abdominal - coronary artery bypass
36.19	Other bypass anastomosis for heart revascularization
36.2	Heart revascularization by arterial implant
36.3	Other heart revascularization
36.31	Open chest transmyocardial revascularization
36.32	Other transmyocardial revascularization
36.33	Endoscopic transmyocardial revascularization
36.34	Percutaneous transmyocardial revascularization
38.14	Endarterectomy, aorta
38.15	Endarterectomy, other thoracic vessels
38.16	Endarterectomy, abdominal arteries
38.18	Endarterectomy, lower limb arteries
39.22	Aorta-subclavian-carotid bypass
39.24	Aorta-renal bypass
39.25	Aorta-iliac-femoral bypass
39.26	Other intra-abdominal vascular shunt or bypass
39.28	Extracranial-intracranial (EC-IC) vascular bypass

Table 1 C Cardiovascular ICD 9 Diagnosis codes

icd9	Description
4111	Intermediate coronary artery syndrome
41181	Acute coronary occlusion without myocardial infarction
41000	AMI, anterolateral wall, episode unspecified
41001	AMI, anterolateral wall, initial episode of care
41002	AMI, anterolateral wall, subsequent episode without recurrence
41010	AMI, of other anterior wall, episode unspecified
41011	AMI, of other anterior wall, initial episode of care

41012	AMI, of other anterior wall, subsequent episode without recurrence
41020	AMI, of inferolateral wall, episode unspecified
41021	AMI, of inferolateral wall initial episode of care
41022	AMI, of inferolateral wall, subsequent episode without recurrence
41030	AMI, of inferoposterior wall, episode unspecified
41031	AMI, of inferoposterior wall, initial episode of care
41032	AMI, of inferoposterior wall, subsequent episode without recurrence
41040	AMI, of other inferior wall, episode unspecified
41041	AMI, of other inferior wall, initial episode of care
41042	AMI, of other inferior wall, subsequent episode without recurrence
41050	AMI, of other lateral wall, episode unspecified
41051	AMI, of other lateral wall, initial episode of care
41052	AMI, of other lateral wall, subsequent episode without recurrence
41060	AMI, true posterior wall infarction, episode unspecified
41061	AMI, true posterior wall infarction, initial episode of care
41062	AMI, true posterior wall infarction, subsequent episode without recurrence
41070	AMI, subendocardial infarction, episode unspecified
41071	AMI, subendocardial infarction, initial episode of care
41072	AMI, subendocardial infarction, subsequent episode without recurrence
41080	AMI, of other specified sites, episode unspecified
41081	AMI, of other specified sites, initial episode of care
41082	AMI, of other specified sites, subsequent episode without recurrence
41090	AMI, unspecified site, episode unspecified
41091	AMI, unspecified site, initial episode of care
41092	AMI, unspecified site, subsequent episode without recurrence
4130	Angina decubitus
4131	Prinzmetal angina
4139	Other and unspecified angina pectoris
43301	Occlusion and stenosis of precerebral arteries, basilar, with infarction
43311	Occlusion and stenosis of precerebral arteries, caortid, with infarction
43321	Occlusion and stenosis of precerebral arteries, vertebral, with infarction
43331	Occlusion and stenosis of precerebral arteries, mult and bilateral, with infarction

43381	Occlusion and stenosis of precerebral arteries, other, with infarction
43391	Occlusion and stenosis of precerebral arteries, unspecified, with infarction
43401	Occlusion of cerebral arteries, cerebral thrombosis, with infarction
43411	Occlusion of cerebral arteries, cerebral embolism, with infarction
43491	Occlusion of cerebral arteries, unspecified, with infarction
4350	Transient cerebral ischemia, basilar artery syndrome
4351	Transient cerebral ischemia, vertebral artery syndrome
4352	Transient cerebral ischemia, subclavian steal syndrome
4353	Transient cerebral ischemia, vertebrobasilar artery syndrome
4358	Transient cerebral ischemia, other
4359	Transient cerebral ischemia, unspecified
436	Acute, but ill-defined cerebrovascular disease



Supplemental Table 2:

Range and assay COV of biomarkers measured

Protein	Range	Intra assay COV	Inter assay COV
Apo A I	6.5 - 239 mg/dL	3.32	COV 3.33
Apo B	13.5-174 mg/dL	2.60	3.21
Apo C II	0-10 mg/dL	1.35	1.35
Apo C III	0-22 mg/dL	2.43	3.65
HDL Cholesterol	1.55 - 144 mg/dL	2.12	2.65
LDL Cholesterol	6.97 mg/dL - 860 mg/dL	1.87	2.10
Triglycerides	11.4 - 1120 mg/dL	2.27	2.47
C Reactive Protein	0.08 - 160 mg/L	5.17	5.61
Albumin		2.6	3.21

Supplemental Table 3: Relationship between apolipoproteins A1 and C3 with mortality

by quartile

Univariable							Multivariable				
Variable	Value	Hazard Ratio	Lower 95% CI	Upper 95% CI	P-	Type 3 P	Hazard Ratio	Lower 95% CI	Upper 95% CI	P	Type 3 P
Apo C 3	Q1:<=9.01	1				0.019	1				0.15
	Q2:9.02-11.96	0.826	0.495	1.377	0.46		0.887	0.51	1.543	0.67	
	Q3:11.97-14.67	0.49	0.254	0.946	0.033		0.476	0.229	0.989	0.047	
	Q4:>14.67	0.424	0.229	0.782	0.006		0.601	0.312	1.158	0.13	
Apo A 1	Q1:<=91	1				0.022	1				0.085
	Q2:92-108	0.398	0.204	0.775	0.0068		0.436	0.217	0.879	0.02	
	Q3:109-129	0.599	0.334	1.072	0.084		0.698	0.372	1.309	0.26	
	Q4:>129	0.444	0.242	0.815	0.0088		0.472	0.225	0.991	0.047	

**Supplemental Table 4:** Association between lipoproteins and infection-related hospitalization or mortality among subjects in whom percent fat mass was measured

Variable	Univariate models		Multivariable models	
	HR (95% CI)	P-value	HR (95% CI)	P-value
Apo A1, per 10 mg/dL	0.97 (0.92, 1.01)	0.17	0.97 (0.92, 1.03)	0.33
Apo B, per 10 mg/dL	0.93 (0.87, 0.99)	0.03	0.93 (0.86, 1.0)	0.06
Apo C2, mg/dL	0.94 (0.88, 1.01)	0.08	0.93 (0.89, 1.01)	0.090
Apo C3, mg/dL	0.98 (0.95, 1.01)	0.20	0.97 (0.94, 1.01)	0.14
HDL, per 10 mg/dL	1.0 (0.91, 1.11)	0.94	0.99 (0.88, 1.13)	0.92
LDL, per 10 mg/dL	0.93 (0.87, 1.00)	0.04	0.92 (0.85, 0.99)	0.025
Log TG, mg/dL	0.95 (0.73, 1.20)	0.66	0.99 (0.74, 1.33)	0.96
<p>*Each multivariable model includes the lipoprotein of interest and is adjusted for age, sex, race, percent fat, diabetes, heart failure, dialysis catheter, serum albumin and log CRP.  Apolipoprotein A1 (Apo A 1), apolipoprotein B (Apo B), apolipoprotein C2 (Apo C2), Apolipoprotein C2 (Apo C3), high density lipoprotein (HDL), low density lipoprotein (LDL), triglyceride (TG).</p>				

**Supplemental Table 5:** Association between lipoproteins and cardiovascular hospitalization or mortality among subjects in whom percent fat mass was measured

Variable	Univariate models		Multivariable models	
	HR (95% CI)	P-value	HR (95% CI)	P-value
Apo A1, per 10 mg/dL	0.93 (0.84, 1.02)	0.11	0.98 (0.88, 1.09)	0.69
Apo B, per 10 mg/dL	0.90 (0.79, 1.04)	0.15	0.99 (0.86, 1.14)	0.94
Apo C2, mg/dL	0.94 (0.84, 1.06)	0.31	0.99 (0.88, 1.11)	0.83
Apo C3, mg/dL	0.98 (0.93, 1.04)	0.59	1.01 (0.95, 1.07)	0.86
HDL, per 10 mg/dL	0.94 (0.80, 1.21)	0.51	1.02 (0.81, 1.29)	0.87
LDL, per 10 mg/dL	0.90 (0.77, 1.05)	1.0	0.87 (0.87, 1.15)	0.99
Log TG, mg/dL	0.95 (0.73, 1.20)	0.66	1.04 (0.63, 1.71)	0.88
<p>*Each multivariable model includes the lipoprotein of interest and is adjusted for age, sex, race, percent fat, diabetes, heart failure, dialysis catheter, serum albumin and log CRP.  Apolipoprotein A1 (Apo A 1), apolipoprotein B (Apo B), apolipoprotein C2 (Apo C2), Apolipoprotein C2 (Apo C3), high density lipoprotein (HDL), low density lipoprotein (LDL), triglyceride (TG).</p>				

Supplemental **Table 6:** Association between lipoproteins and all-cause mortality among subjects in whom percent fat mass was measured

Variable	Univariate models		Multivariable models	
	HR (95% CI)	P-value	HR (95% CI)	P-value
Apo A1, per 10 mg/dL	0.64 (0.47, 0.86)	0.004	0.78 (0.52, 1.15)	0.21
Apo A1 squared, per 10 mg <sup>2</sup> /dL <sup>2</sup>	1.01 (1.00, 1.03)	0.007	1.00 (0.99, 1.02)	0.22
Apo B, per 10 mg/dL	0.83 (0.74, 0.93)	0.001	0.88 (0.79, 0.98)	0.02
Apo C2, per mg/dL	0.89 (0.81, 0.98)	0.02	0.92 (0.82, 1.03)	0.15
Apo C3, per mg/dL	0.86 (0.78, 0.93)	<0.001	0.88 (0.80, 0.96)	0.006
Apo C3 squared, per 10 mg <sup>2</sup> /dL <sup>2</sup>	1.003 (1.0013, 1.005)	0.0006	1.003 (1.01, 1.05)	0.0015
HDL, per 10 mg/dL	1.04 (0.90, 1.19)	0.62	1.08 (0.89, 1.32)	0.43
LDL, per 10 mg/dL	0.84 (0.75, 0.94)	0.004	0.95 (0.86, 1.05)	0.33
Log TG, mg/dL	0.65 (0.45, 0.95)	0.025	0.82 (0.51, 1.33)	0.43

\*Each multivariable model includes the lipoprotein of interest and is adjusted for age, sex, race, percent fat, DM, heart failure, dialysis catheter, serum albumin and log CRP; a squared term was included for models including Apo A1 or Apo C3 because associations were nonlinear.  
Apolipoprotein A1 (Apo A 1), apolipoprotein B (Apo B), apolipoprotein C2 (Apo C2), Apolipoprotein C2 (Apo C3), high density lipoprotein (HDL), low density lipoprotein (LDL), triglyceride (TG).