PATIENT INFORMATION										
Last Name	First Name		Middle Na	ame	Suffix	Primary Language □ English				
Social Security Number (9 digits	DOB (mm/do	1/уууу)	<i>ryy)</i> Age □ Years □ Months □ Days		□ Spanish □ Other:					
Address Number & Street – Res	Apartmen	t / Unit Nun	-	□ Hispanic/L	Ethnicity (check one) Hispanic/Latino Non-Hispanic/Non-Latino 					
City / Town			State	State Zip Code			Unknown			
Census Tract	County of Resi	dence	Country of Residence			Race(s) (check all that apply, race descriptions on page 8)				
Country of Birth	<u> </u>	If not U.S. Born -	Date of Arrival in U.S. (mm/dd/yyyy)			The response to this item should be based on the patient's self-identity or self-reporting. Therefore, patients should be offered the option of selecting more than one racial designation.				
Home Telephone Cellular Phone / I			Wo	ork / School	Telephone	American Indian or Alaska Native				
E-mail Address	Other Electro	nic Contact	Information		- □ Asian <i>(che</i> □ Asian I □ Bangla	ndian	pply, see list on page 8) □ Korean □ Laotian			
Work / School Location	Work / Schoo	l Contact			□ Cambo □ Cambo	odian	□ Malaysian □ Pakistani			
Gender □ Female □ Trans female / tr □ Male □ Trans male/ trans	on-binary		□ Unknown □ Hmong □ Taiwanese							
			elivery Date			- □ Indone □ Japane		□ Thai □ Vietnamese		
Yes No Unknown Medical Record Number Patient's			ent/Guardia	n Name		□ Other: □ Black or A				
Occupation Setting (see list on page 9) Other			Other Describe/Specify				waiian or Otł	her Pacific Islander ee list on page 8) □ Samoan		
Occupation (see list on page 9)		Other Describ	e/Specify			□ Fijian □ Guama		🗆 Tongan		
						□ White □ Other: □ Unknown				
ADDITIONAL PATIENT DE	MOGRAPHIC	3								
Sex Assigned at Birth Female Unknown Male Declined to ans	□ Hete	Orientation rosexual or straight lesbian, or same-g kual			stioning, unsure ntation not listed	e, or patient doe d	esn't know	□ Declined to answer □ Unknown		
CLINICAL INFORMATION										
Physician Name - Last Name				First Nan	ne		Telephone	Number		

SIGNS AND SYMPTOMS					
Symptomatic? □ Yes □ No □ Unknown	Onse	t Date (r	nm/dd/	/ууу)	Date First Sought Medical Care (mm/dd/yyyy)
Signs and Symptoms	Yes	No	Unk	If Yes, Specify as Noted	
Fever				Highest temperature (specify °F/°C)	
Myalgia					
Rigors, shaking chills					
Malaise					
Rash				Location	
Cough					
Severe retrobulbar headache					
Splenomegaly					
Hepatomegaly					
Pneumonia					
Hepatitis					
Endocarditis					
Osteomyelitis, osteoarthritis					
Abdominal pain					
Abnormal chest x-ray				Findings	
Elevated liver enzyme levels				Findings	
Thrombocytopenia					
Other signs / symptoms (speci	ify)				
PAST MEDICAL HISTORY	/	,			
	Yes	No	Unk	If Yes, Specify as Noted	
Immunocompromised				Condition	
Valvular heart disease					
Prior Q fever diagnosis				Date	
Chronic kidney disease				Condition	
Pregnancy					
Other (specify)					

HOSPITALIZATION													
Did patient visit the emer □ Yes □ No □ Unkn	-	y rooi	m for illness?										
Was patient hospitalized □ Yes □ No □ Unkn	?			If Yes, how many total	hospita	al nights?	an intensi	During any part of the hospitalization, did the patient stay in an intensive care unit (ICU) or a critical care unit (CCU)? □ Yes □ No □ Unknown					
If there were any ER or h	f there were any ER or hospital stays related to this illness, specify details in the Hospitalization – L												
HOSPITALIZATION -	DE	TAIL	S										
Hospital Name 1	Stre	eet Address						Admit Date (mm/dd/yyyy)					
	City	,			Discha	Discharge / Transfer Date (mm/dd/yyyy)							
	Stat	te	Zip Code	Telephone Number			Medica	Medical Record Number Discharge Diag					
Hospital Name 2	Stre	et Ad	ldress	·			Admit	Date (mm/o	dd/yyyy)				
	City	,					Discha	arge / Trans	sfer Date	e (mm/dd/yyyy)			
	Stat	te	Zip Code	Telephone Number			Medica	al Record N	lumber	Discharge Diagnosis			
TREATMENT / MANA	GEN	MENT	г		•								
Received treatment? □ Yes □ No □ Unknow	If Yes, specify the treatments below.												
TREATMENT / MANA	GEI	MEN	T DETAILS										
<i>Treatment Type 1</i>		Treat	tment Name			Date Started (mm/dd/yyyy)			Date Ended (mm/dd/yyyy)				
<i>Treatment Type 2</i> □ Antibiotic □ Other		Treat	tment Name			Date Started (mm/dd/yyyy)			Date Ended (mm/dd/yyyy)				
OUTCOME													
Outcome? □ Survived □ Died □ U	Inkno		If Survived, Survived as	of	(mm/dd/yyyy)				Date of Death (mm/dd/yyyy)				
				01		(///////00	u/yyyy)						
LABORATORY RESU	JLTS	SUN	MMARY - SE	RUM									
Specimen Type 1		Type of Test				Phase				Collection Date (mm/dd/yyyy)			
□ Serum (acute) □ Serum (convalescent)				ELISA 🗆 MAT	-	ase I	-	□ lgM □ lgG					
(, , , , , , , , , , , , , , , , , , ,		C. burnetii Quantitative Result Specify Result						Interpretation					
	-	Laboratory Name						Telephone Number					
Specimen Type 2		Туре	of Test		Test	Test Phase		Antibody Type		ection Date (mm/dd/yyyy)			
□ Serum (acute) □ Serum (convalescent)						ase I 🛛 Phase II	-	□ lgG					
		C. bı	urnetii Quantita	ative Result		<i>ify Result Unit</i> er □ O.D.				egative 🛛 Equivocal			
	-	Labo	oratory Name					Positive Negative Equivocal Telephone Number					
Specimen Type 3		Type	e of Test		Test	Phase	Antibo	Antibody Type Collection Date (mm/dd/yyy					
□ Serum (acute)				ELISA 🗆 MAT		nase I		□ IgM □ IgG		alon Date (mm/dd/yyyy)			
□ Serum (convalescent)	ľ	C. bı	urnetii Quantita	ative Result		<i>ify Result Unit</i> er □ O.D.	Interpre □ Posi		egative	□ Equivocal			
	-	Labo	oratory Name				Teleph	Telephone Number					

Specimen Type 1	If Clinical specimen, specify			ify	Type of Test	Collection Date (mm/dd/yyyy)				
Blood					□ Culture □ PCR □ Immunostain					
□ Clinical specimen	Interpretatio				Laboratory Name	Telephone Number				
Specimen Type 2	Positive If Clinical s		egative		uivocal Type of Test	Collection Date (mm/dd/yyyy)				
□ Blood		oconno	<i>,, , , , , , , , , , , , , , , , , , ,</i>	''y	□ Culture □ PCR □ Immunostain					
☐ Clinical specimen	<i>Interpretatio</i> □ Positive		egative	🗆 Eq	Laboratory Name	Telephone Number				
MAGING SUMMAR	Y									
Anatomic Site		De	ate (mm/	/dd/yyyy) Type of Imaging					
					□ X-ray □ CT □ MRI □ Other:					
Result		Int	erpretat	ion	Facility Name	Telephone Number				
EPIDEMIOLOGIC IN	FORMATION	1								
			INCUB		PERIOD: 2 MONTHS PRIOR TO ILLNESS ONSET					
FOOD HISTORY										
	DID THE PATIE	NT EA	T OR D	RINK A	NY OF THE FOLLOWING ITEMS DURING THE INCU	BATION PERIOD?				
Food Item		Yes	No	Unk	If Yes, Specify as Noted					
Unpasteurized milk					Animal species and source					
Other unpasteurized da	iry product				Animal species and source					
Other (specify)										
ANIMAL EXPOSURE	ES									
DID TH	IE PATIENT HA	VE CC	ONTACI	WITH	ANY OF THE FOLLOWING ANIMALS DURING THE II	NCUBATION PERIOD?				
Exposure		Yes	No	Unk	If Yes, Specify as Noted					
Birthing animals or birth	irthing animals or birth products Animal species and location									
Cattle					Exposure and geographic location					
Sheep					Exposure and geographic location					
Goats					Exposure and geographic location					
Pigeons					Exposure and geographic location					
Rabbits					Exposure and geographic location					
					Exposure and geographic location					
Cats										

OCCOPATIONAL / RECREA										
WAS PATIENT EMPLOYED I	N (OR SPEN	D SIGN	IFICAN	IT TIME IN)	ANY OF TH	E FOLLOWIN	IG ACTIVITIES D	URING THE INCUBAT	ION PERIOD?	
Exposure	Yes	No	Unk	If Yes, Spe	ecify as Note	d				
Wool or felt plant				Location						
Tannery or rendering plant				Location						
Veterinary medicine				Animal sp	Animal species and location					
Medical research				Animal sp	Animal species and location					
Animal research				Animal sp	Animal species and location					
Microbiology laboratory				Location						
Dairy				Animal sp	ecies and loc	ation				
Slaughterhouse				Animal sp	ecies and loc	ation				
Animal farm / ranch				Animal sp	ecies and loc	ation				
Live in household with person occupationally related to above				Occupation	n					
Other (specify exposure and geog	graphic locatio	n)								
TRAVEL HISTORY (INCUBA	TION PERIO	DD IS 2	2 MON	THS PRIO	R TO ILLN	ESS ONSE	Т)			
Did patient travel outside county □ Yes □ No □ Unknown	of residence	during	the inc	ubation pe	riod?		If Yes, specify all	locations and dates be	elow.	
TRAVEL HISTORY – DETAIL	LS									
Travel Type	State	Co	ountry	Other location det		ils (city, res	ort, etc.)	Date Travel Started (mm/dd/yyyy)	Date Travel Ended (mm/dd/yyyy)	
Domestic Unknown International										
□ Domestic □ Unknown □ International										
□ Domestic □ Unknown □ International										
ILL CONTACTS										
Any contacts with similar illness (including household contacts)?						is below.				
ILL CONTACTS - DETAILS										
Name 1 Age Gender		der	Telephone Number		Type of Contact / Relationship		Date of Contact (mm/dd/yyyy)			
	Street Add	ress				Exposure E	Event	Illness Onset Date	e (mm/dd/yyyy)	
	City			State	Zip Code	Date First Reported to Public H				
Name 2	Age	Geno	der	Telephone	Number	Type of Contact / Relationship				
	Street Add	ress				Exposure E	Event	Illness Onset Date	e (mm/dd/yyyy)	
	City			State	Zip Code	Date First I	Reported to Public	Health (mm/dd/yyyy)		

						rst three letters of atient's last name:			
NOTES / REMARKS									
REPORTING AGENCY									
Investigator Name		Local Health Jurisdiction	Telephon	e Number		Date (mm/dd/yyyy)		
First Reported By □ Clinician □ Laboratory □] Other (s	pecify):							
EPIDEMIOLOGICAL LINF	KAGE								
<i>Epi-linked to known case?</i> □ Yes □ No □ Unknown	(Contact Name / Case Number							
DISEASE CASE CLASSIF	ICATIO	N							
Disease Type (see case defin □ Confirmed acute □ Proba		age 7) ∋ □ Confirmed chronic □ Probab	le chronic						
OUTBREAK									
		tent of outbreak:							
	□ One C	A jurisdiction	ctions 🗆		T T				
Mode of Transmission	o-person	□ Unknown □ Other:		Vehicle of Outbreak	Patt	ern 1 ID number	Pattern	2 ID nur	nber
STATE USE ONLY	r			I	1				
State Case Classification	able acute	e 🛛 Confirmed chronic 🛛 Probab	le chronic	□ Not a case □ Need	addit	onal information			

First three letters of patient's last name:

CASE DEFINITION

Q FEVER (2010)

CLINICAL PRESENTATION

ACUTE INFECTION

Acute fever usually accompanied by rigors, myalgia, malaise, and a severe retrobulbar headache. Fatigue, night-sweats, dyspnea, confusion, nausea, diarrhea, abdominal pain, vomiting, non-productive cough, and chest pain have also been reported. Severe disease can include acute hepatitis, atypical pneumonia with abnormal radiograph, and meningoencephalitis. Pregnant women are at risk for fetal death and abortion. Clinical laboratory findings may include elevated liver enzyme levels, leukocytosis, and thrombocytopenia. Asymptomatic infections may also occur.

Note: Serologic profiles of pregnant women infected with acute Q fever during gestation may progress frequently and rapidly to those characteristic of chronic infection.

CHRONIC INFECTION

Infection that persists for more than 6 months. Potentially fatal endocarditis may evolve months to years after acute infection, particularly in persons with underlying valvular disease. Infections of aneurysms and vascular prostheses have been reported. Immunocompromised individuals are particularly susceptible. Rare cases of chronic hepatitis without endocarditis, osteomyelitis, osteoarthritis, and pneumonitis have been described.

CLINICAL EVIDENCE ACUTE Q FEVER

Acute fever and one or more of the following: rigors, severe retrobulbar headache, acute hepatitis, pneumonia, or elevated liver enzyme levels.

CHRONIC Q FEVER

Newly recognized, culture-negative endocarditis, particularly in a patient with previous valvulopathy or compromised immune system, suspected infection of a vascular aneurysm or vascular prosthesis, or chronic hepatitis, osteomyelitis, osteoarthritis, or pneumonitis in the absence of other known etiology.

ACUTE Q FEVER LABORATORY EVIDENCE

LABORATORY CONFIRMED

- Serological evidence of a fourfold change in immunoglobulin G (IgG)-specific antibody titer to *C. burnetii* phase II antigen by indirect immunofluorescence assay (IFA) between paired serum samples (CDC suggests one taken during the first week of illness and a second 3-6 weeks later, antibody titers to phase I antigen may be elevated or rise as well), or
- Detection of C. burnetii DNA in a clinical specimen via amplification of a specific target by polymerase chain reaction (PCR) assay, or
- Demonstration of C. burnetii antigen in a clinical specimen by immunohistochemical methods (IHC), or
- Isolation of *C. burnetii* from a clinical specimen by culture.

LABORATORY SUPPORTIVE

- Has a single supportive IFA IgG titer of ≥ 1:128 to phase I antigen (phase I titers may be elevated as well).
- Has serologic evidence of elevated phase II IgG or IgM antibody reactive with C. burnetii antigen by enzyme-linked immunosorbent assay (ELISA), dot-ELISA, or latex agglutination.

Note: For acute testing, CDC uses in-house IFA IgG testing (cutoff of \geq 1:128), preferring simultaneous testing of paired specimens, and does not use IgM results for routine diagnostic testing.

CHRONIC Q FEVER LABORATORY EVIDENCE

LABORATORY CONFIRMED

- Serological evidence of IgG antibody to *C. burnetii* phase I antigen ≥ 1:800 by IFA (while phase II IgG titer will be elevated as well; phase I titer is higher than the phase II titer), or
- Detection of C. burnetii DNA in a clinical specimen via amplification of a specific target by PCR assay, or
- Demonstration of C. burnetii antigen in a clinical specimen by IHC, or
- Isolation of *C. burnetii* from a clinical specimen by culture.

LABORATORY SUPPORTIVE

- Has an antibody titer to C. burnetii phase I IgG antigen ≥ 1:128 and < 1:800 by IFA.

Note: Samples from suspected chronic patients should be evaluated for IgG titers to both phase I and phase II antigens. Current commercially available ELISA tests (which test only for phase II) are not quantitative, cannot be used to evaluate changes in antibody titer, and hence are not useful for serological confirmation. IgM tests are not strongly supported for use in serodiagnosis of acute disease, as the response may not be specific for the agent (resulting in false positives) and the IgM response may be persistent. Complement fixation (CF) tests and other older test methods are neither readily available nor commonly used.

Serologic test results must be interpreted with caution, because baseline antibodies acquired as a result of historical exposure to Q fever may exist, especially in rural and farming areas.

First three letters of patient's last name:

CASE DEFINITION (continued)

EXPOSURE

Exposure is usually via aerosol, is broadly interpreted, and may be unknown (especially for chronic infection), but often includes the presence of goats, sheep, or other livestock, especially during periods of parturition. Direct contact with animals is not required, and variable incubation periods may be dose dependent.

CASE CLASSIFICATION

- Confirmed Acute Q Fever: A laboratory confirmed case that either meets clinical case criteria or is epidemiologically linked to a lab confirmed case.
- Probable Acute Q Fever: A clinically compatible case of acute illness (meets clinical evidence criteria for acute Q fever illness) that has laboratory supportive results for past or present acute disease (antibody to Phase II antigen) but is not laboratory confirmed.
- Confirmed Chronic Q Fever: A clinically compatible case of chronic illness (meets clinical evidence criteria for chronic Q fever) that is laboratory confirmed for chronic infection.
- **Probable Chronic Q Fever:** A clinically compatible case of chronic illness (meets clinical evidence criteria for chronic Q fever) that has laboratory supportive results for past or present chronic infection (antibody to Phase I antigen).

RACE DESCRIPTIONS Race Description American Indian or Alaska Native Patient has origins in any of the original peoples of North and South America (including Central America). Patient has origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent Asian (e.g., including Bangladesh, Cambodia, China, India, Indonesia, Japan, Korea, Malaysia, Nepal, Pakistan, the Philippine Islands, Thailand, and Vietnam). Patient has origins in any of the black racial groups of Africa. Black or African American Native Hawaiian or Other Pacific Islander Patient has origins in any of the original peoples of Hawaii, Guam, American Samoa, or other Pacific Islands. Patient has origins in any of the original peoples of Europe, the Middle East, or North Africa. White **ASIAN GROUPS** Bangladeshi Filipino Japanese Maldivian Sri Lankan • • . Bhutanese Hmong Korean Nepalese Taiwanese Burmese Indian Laotian Okinawan Thai Cambodian Pakistani Vietnamese -Indonesian Madagascar . . Chinese Iwo Jiman Malaysian Singaporean • • NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER GROUPS Tahitian Carolinian Kiribati Micronesian Pohnpeian -• . . Chamorro Native Hawaiian Polynesian Tokelauan Kosraean • Mariana Islander New Hebrides Chuukese Saipanese Tongan Fijian Marshallese Palauan Samoan Yapese Guamanian Melanesian Papua New Guinean Solomon Islander . . .

First three letters of patient's last name:

Q FEVER CASE REPORT

Childcare/Preschool	Homeless Shelter							
Correctional Facility	Laboratory							
Drug Treatment Center	Military Facility							
Food Service	Other Residential Facility							
Health Care - Acute Care Facility	Place of Worship							
Health Care - Long Term Care Facility	School							
Health Care - Other	• Other							
OCCUPATION								
Agriculture - farmworker or laborer (crop, nursery, or greenhouse)	Medical - medical assistant							
Agriculture - field worker	Medical - pharmacist							
Agriculture - migratory/seasonal worker	 Medical - physician assistant or nurse practitioner 							
Agriculture - other/unknown	Medical - physician or surgeon							
Animal - animal control worker	Medical - registered nurse							
Animal - farm worker or laborer (farm or ranch animals)	Medical - other/unknown							
Animal - veterinarian or other animal health practitioner	Military - officer							
Animal - other/unknown	Military - recruit or trainee							
Clerical, office, or sales worker	Protective service - police officer							
Correctional facility - employee	Protective service - other							
Correctional facility - inmate	 Professional, technical, or related profession 							
Craftsman, foreman, or operative	Retired							
Daycare or child care attendee	Sex worker							
Daycare or child care worker	Student - preschool or kindergarten							
Dentist or other dental health worker	Student - elementary or middle school							
Drug dealer	 Student - high (secondary) school 							
Fire fighting or prevention worker	Student - college or university							
Flight attendant	Student - other/unknown							
 Food service - cook or food preparation worker 	 Teacher/employee - preschool or kindergarten 							
Food service - host or hostess	Teacher/employee - elementary or middle school							
Food service - waiter or waitress	 Teacher/employee - high (secondary) school 							
Food service - other/unknown	Teacher/instructor/employee - college or university							
Homemaker	Teacher/instructor/employee - other/unknown							
Laboratory technologist or technician	Unemployed - seeking employment							
Laborer - private household or unskilled worker	 Unemployed - not seeking employment 							
Manager, official, or proprietor	Unemployed - other/unknown							
Manicurist or pedicurist	Other							
Medical - emergency medical technician or paramedic	Refused							
Medical - health care worker	• Unknown							