

CMS Manual System	Department of Health & Human Services (DHHS)
Pub 100-02 Medicare Benefit Policy	Centers for Medicare & Medicaid Services (CMS)
Transmittal 130	Date: July 29, 2010
	Change Request 7058

SUBJECT: Definition of Ambulance Services

I. SUMMARY OF CHANGES: This document updates the manual to incorporate the application of Basic Life Support (BLS) - Emergency; Advanced Life Support Level 1 (ALS1) - Emergency and Advanced Life Support Level 2.

EFFECTIVE DATE: January 1, 2011

IMPLEMENTATION DATE: January 3, 2011

Disclaimer for manual changes only: The revision date and transmittal number apply only to red italicized material. Any other material was previously published and remains unchanged. However, if this revision contains a table of contents, you will receive the new/revised information only, and not the entire table of contents.

II. CHANGES IN MANUAL INSTRUCTIONS: (N/A if manual is not updated)

R=REVISED, N=NEW, D=DELETED

R/N/D	CHAPTER / SECTION / SUBSECTION / TITLE
R	10/30.1.1/Ground Ambulance Services

III. FUNDING:

For Fiscal Intermediaries (FIs), Regional Home Health Intermediaries (RHHIs) and/or Carriers:

No additional funding will be provided by CMS; contractor activities are to be carried out within their operating budgets.

For Medicare Administrative Contractors (MACs):

The Medicare Administrative Contractor is hereby advised that this constitutes technical direction as defined in your contract. CMS does not construe this as a change to the MAC Statement of Work. The contractor is not obligated to incur costs in excess of the amounts allotted in your contract unless and until specifically authorized by the contracting officer. If the contractor considers anything provided, as described above, to be outside the current scope of work, the contractor shall withhold performance on the part(s) in question and immediately notify the contracting officer, in writing or by e-mail, and request formal directions regarding continued performance requirements.

IV. ATTACHMENTS:

Business Requirements

Manual Instruction

**Unless otherwise specified, the effective date is the date of service.*

Attachment –Business Requirements

Pub. 100-02	Transmittal: 130	Date: July 29, 2010	Change Request: 7058
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SUBJECT: Definition of Ambulance Services

Effective Date: January 1, 2011

Implementation Date: January 3, 2011

I. GENERAL INFORMATION

A. Background: This document updates the manual to incorporate the application of Basic Life Support (BLS) – Emergency; Advanced Life Support Level 1 (ALS1) – Emergency and Advanced Life Support Level 2 (ALS2).

B. Policy: There is no new policy being developed.

II. BUSINESS REQUIREMENTS TABLE

Use "Shall" to denote a mandatory requirement

Number	Requirement	Responsibility (place an "X" in each applicable column)								
		A / B M A C	D M E M A C	F I 	C A R R I E R	R H I	Shared-System Maintainers			
F I S S	M C S						V M S	C W F		
7058.1	Contractors shall be in compliance with the instructions in Pub. 100-02, Medicare Benefit Policy Manual, Chapter 10 Section 30.1.1.	X		X	X					

III. PROVIDER EDUCATION TABLE

Number	Requirement	Responsibility (place an "X" in each applicable column)								
		A / B M A C	D M E M A C	F I 	C A R R I E R	R H I	Shared-System Maintainers			
F I S S	M C S						V M S	C W F		
7058.2	A provider education article related to this instruction will be available at http://www.cms.hhs.gov/MLNMattersArticles/ shortly after the CR is released. You will receive notification of the article release via the established "MLN Matters" listserv. Contractors shall post this article, or a direct link to this article, on their Web site and include information about it in a listserv message within one week of the availability of	X		X	X					

Number	Requirement	Responsibility (place an "X" in each applicable column)									
		A / B M A C	D M E M A C	F I	C A R R I E R	R H H I	Shared-System Maintainers				OTHER
							F I S S	M C S	V M S	C W F	
	the provider education article. In addition, the provider education article shall be included in your next regularly scheduled bulletin. Contractors are free to supplement MLN Matters articles with localized information that would benefit their provider community in billing and administering the Medicare program correctly.										

IV. SUPPORTING INFORMATION

Section A: For any recommendations and supporting information associated with listed requirements, use the box below:

Use "Should" to denote a recommendation.

X-Ref Requirement Number	Recommendations or other supporting information:
N/A	

Section B: For all other recommendations and supporting information, use this space: N/A

V. CONTACTS

Pre-Implementation Contact(s): Roechel Kujawa, roechel.kujawa@cms.hhs.gov or on 410-786-9111.

Post-Implementation Contact(s): Roechel Kujawa, roechel.kujawa@cms.hhs.gov or on 410-786-9111.

VI. FUNDING

Section A: For *Fiscal Intermediaries (FIs)*, *Regional Home Health Intermediaries (RHHIs)*, and/or *Carriers*, use only one of the following statements:

No additional funding will be provided by CMS; contractor activities are to be carried out within their operating budgets.

Section B: For *Medicare Administrative Contractors (MACs)*, include the following statement:

The Medicare Administrative Contractor is hereby advised that this constitutes technical direction as defined in your contract. CMS does not construe this as a change to the MAC Statement of Work. The contractor is not obligated to incur costs in excess of the amounts allotted in your contract unless and until specifically authorized by the contracting officer. If the contractor considers anything provided, as described above, to be outside the current scope of work, the contractor shall withhold performance on the part(s) in question and immediately notify the contracting officer, in writing or by e-mail, and request formal directions regarding continued performance requirements.

30.1.1 - Ground Ambulance Services

(Rev. 130, Issued: 07-29-10, Effective: 01-01-11, Implementation: 01-03-11)

Basic Life Support (BLS)

Definition: Basic life support (BLS) is transportation by ground ambulance vehicle and the provision of medically necessary supplies and services, including BLS ambulance services as defined by the State. The ambulance must be staffed by an individual who is qualified in accordance with State and local laws as an emergency medical technician-basic (EMT-Basic). These laws may vary from State to State or within a State. For example, only in some jurisdictions is an EMT-Basic permitted to operate limited equipment onboard the vehicle, assist more qualified personnel in performing assessments and interventions, and establish a peripheral intravenous (IV) line.

Basic Life Support (BLS) - Emergency

Definition: When medically necessary, the provision of BLS services, as specified above, in the context of an emergency response. An emergency response is one that, at the time the ambulance provider or supplier is called, it responds immediately. An immediate response is one in which the ambulance provider/supplier begins as quickly as possible to take the steps necessary to respond to the call.

***Application:** The determination to respond emergently with a BLS ambulance must be in accord with the local 911 or equivalent service dispatch protocol. If the call came in directly to the ambulance provider/supplier, then the provider's/supplier's dispatch protocol must meet, at a minimum, the standards of the dispatch protocol of the local 911 or equivalent service. In areas that do not have a local 911 or equivalent service, then the protocol must meet, at a minimum, the standards of a dispatch protocol in another similar jurisdiction within the State or, if there is no similar jurisdiction within the State, then the standards of any other dispatch protocol within the State. Where the dispatch was inconsistent with this standard of protocol, including where no protocol was used, the beneficiary's condition (for example, symptoms) at the scene determines the appropriate level of payment.*

Advanced Life Support, Level 1 (ALS1)

Definition: Advanced life support, level 1 (ALS1) is the transportation by ground ambulance vehicle and the provision of medically necessary supplies and services including the provision of an ALS assessment or at least one ALS intervention.

Advanced Life Support Assessment

Definition: An advanced life support (ALS) assessment is an assessment performed by an ALS crew as part of an emergency response that was necessary because the patient's reported condition at the time of dispatch was such that only an ALS crew was qualified to perform the assessment. An ALS assessment does not necessarily result in a determination that the patient requires an ALS level of service.

Application: The determination to respond emergently with an ALS ambulance must be in accord with the local 911 or equivalent service dispatch protocol. If the call came in directly to the ambulance provider/supplier, then the provider's/supplier's dispatch protocol must meet, at a minimum, the standards of the dispatch protocol of the local 911 or equivalent service. In areas that do not have a local 911 or equivalent service, then the protocol must meet, at a minimum, the standards of a dispatch protocol in another similar jurisdiction within the State or, if there is no similar jurisdiction within the State, then the standards of any other dispatch protocol within the State. Where the dispatch was inconsistent with this standard of protocol, including where no protocol was used, the beneficiary's condition (for example, symptoms) at the scene determines the appropriate level of payment.

Advanced Life Support Intervention

Definition: An advanced life support (ALS) intervention is a procedure that is in accordance with State and local laws, required to be done by an emergency medical technician-intermediate (EMT-Intermediate) or EMT-Paramedic.

Application: An ALS intervention must be medically necessary to qualify as an intervention for payment for an ALS level of service. An ALS intervention applies only to ground transports.

Advanced Life Support, Level 1 (ALS1) - Emergency

Definition: When medically necessary, the provision of ALS1 services, as specified above, in the context of an emergency response. An emergency response is one that, at the time the ambulance provider or supplier is called, it responds immediately. An immediate response is one in which the ambulance provider/supplier begins as quickly as possible to take the steps necessary to respond to the call.

***Application:** The determination to respond emergently with an ALS ambulance must be in accord with the local 911 or equivalent service dispatch protocol. If the call came in directly to the ambulance provider/supplier, then the provider's/supplier's dispatch protocol must meet, at a minimum, the standards of the dispatch protocol of the local 911 or equivalent service. In areas that do not have a local 911 or equivalent service, then the protocol must meet, at a minimum, the standards of a dispatch protocol in another similar jurisdiction within the State or, if there is no similar jurisdiction within the State, then the standards of any other dispatch protocol within the State. Where the dispatch was inconsistent with this standard of protocol, including where no protocol was used, the beneficiary's condition (for example, symptoms) at the scene determines the appropriate level of payment.*

Advanced Life Support, Level 2 (ALS2)

Definition: Advanced life support, level 2 (ALS2) is the transportation by ground ambulance vehicle and the provision of medically necessary supplies and services including (1) at least three separate administrations of one or more medications by intravenous push/bolus or by continuous

infusion (excluding crystalloid fluids) or (2) ground ambulance transport, medically necessary supplies and services, and the provision of at least one of the ALS2 procedures listed below:

- a. Manual defibrillation/cardioversion;
- b. Endotracheal intubation;
- c. Central venous line;
- d. Cardiac pacing;
- e. Chest decompression;
- f. Surgical airway; or
- g. Intraosseous line.

Application: *Crystalloid fluids include fluids such as 5 percent Dextrose in water, Saline and Lactated Ringer's. Medications that are administered by other means, for example: intramuscular/subcutaneous injection, oral, sublingually or nebulized, do not qualify to determine whether the ALS2 level rate is payable. However, this is not an all-inclusive list. Likewise, a single dose of medication administered fractionally (i.e., one-third of a single dose quantity) on three separate occasions does not qualify for the ALS2 payment rate. The criterion of multiple administrations of the same drug requires a suitable quantity and amount of time between administrations that is in accordance with standard medical practice guidelines. The fractional administration of a single dose (for this purpose meaning a standard or protocol dose) on three separate occasions does not qualify for ALS2 payment.*

In other words, the administration of 1/3 of a qualifying dose 3 times does not equate to three qualifying doses for purposes of indicating ALS2 care. One-third of X given 3 times might = X (where X is a standard/protocol drug amount), but the same sequence does not equal 3 times X. Thus, if 3 administrations of the same drug are required to show that ALS2 care was given, each of those administrations must be in accord with local protocols. The run will not qualify on the basis of drug administration if that administration was not according to protocol.

An example of a single dose of medication administered fractionally on three separate occasions that would not qualify for the ALS2 payment rate would be the use of Intravenous (IV) Epinephrine in the treatment of pulseless Ventricular Tachycardia/Ventricular Fibrillation (VF/VT) in the adult patient. Administering this medication in increments of 0.25 mg, 0.25 mg, and 0.50 mg would not qualify for the ALS2 level of payment. This medication, according to the American Heart Association (AHA), Advanced Cardiac Life Support (ACLS) protocol, calls for Epinephrine to be administered in 1 mg increments every 3 to 5 minutes. Therefore, in order to receive payment for an ALS2 level of service, based in part on the administration of Epinephrine, three separate administrations of Epinephrine in 1 mg increments must be administered for the treatment of pulseless VF/VT.

A second example that would not qualify for the ALS2 payment level is the use of Adenosine in increments of 2 mg, 2 mg, and 2 mg for a total of 6 mg in the treatment of an adult patient with Paroxysmal Supraventricular Tachycardia (PSVT). According to ACLS guidelines, 6 mg of Adenosine should be given by rapid intravenous push (IVP) over 1 to 2 seconds. If the first dose does not result in the elimination of the supraventricular tachycardia within 1 to 2 minutes, 12 mg of Adenosine should be administered IVP. If the supraventricular tachycardia persists, a second 12 mg dose of Adenosine can be administered for a total of 30 mg of Adenosine. Three separate administrations of the drug Adenosine in the dosage amounts outlined in the later case would qualify for ALS2 payment.

Endotracheal intubation is one of the services that qualifies for the ALS2 level of payment; therefore, it is not necessary to consider medications administered by endotracheal intubation for the purpose of determining whether the ALS2 rate is payable. The monitoring and maintenance of an endotracheal tube that was previously inserted prior to transport also qualifies as an ALS2 procedure.

Advanced Life Support (ALS) Personnel

Definition: ALS personnel are individuals trained to the level of the emergency medical technician-intermediate (EMT-Intermediate) or paramedic.

Specialty Care Transport (SCT)

Definition: Specialty care transport (SCT) is the interfacility transportation of a critically injured or ill beneficiary by a ground ambulance vehicle, including the provision of medically necessary supplies and services, at a level of service beyond the scope of the EMT-Paramedic. SCT is necessary when a beneficiary's condition requires ongoing care that must be furnished by one or more health professionals in an appropriate specialty area, for example, emergency or critical care nursing, emergency medicine, respiratory care, cardiovascular care, or a paramedic with additional training.

Application: The EMT-Paramedic level of care is set by each State. SCT is necessary when a beneficiary's condition requires ongoing care that must be furnished by one or more health professionals in an appropriate specialty area. Care above that level that is medically necessary and that is furnished at a level of service above the EMT-Paramedic level of care is considered SCT. That is to say, if EMT-Paramedics - without specialty care certification or qualification - are permitted to furnish a given service in a State, then that service does **not** qualify for SCT. The phrase "EMT-Paramedic with additional training" recognizes that a State may permit a person who is not only certified as an EMT-Paramedic, but who also has successfully completed additional education as determined by the State in furnishing higher level medical services required by critically ill or critically injured patients, to furnish a level of service that otherwise would require a health professional in an appropriate specialty care area (for example, a nurse) to provide. "Additional training" means the specific additional training that a State requires a paramedic to complete in order to qualify to furnish specialty care to a critically ill or injured patient during an SCT.

Paramedic Intercept (PI)

Definition: Paramedic Intercept services are ALS services provided by an entity that does not provide the ambulance transport. This type of service is most often provided for an emergency ambulance transport in which a local volunteer ambulance that can provide only basic life support (BLS) level of service is dispatched to transport a patient. If the patient needs ALS services such as EKG monitoring, chest decompression, or I.V. therapy, another entity dispatches a paramedic to meet the BLS ambulance at the scene or once the ambulance is on the way to the hospital. The ALS paramedics then provide services to the patient.

This tiered approach to life saving is cost effective in many areas because most volunteer ambulances do not charge for their services and one paramedic service can cover many communities. Prior to March 1, 1999, Medicare payment could be made for these services, but only when the claim was submitted by the entity that actually furnished the ambulance transport. Payment could not be made directly to the intercept service provider. In those areas where State laws prohibit volunteer ambulances from billing Medicare and other health insurance, the intercept service could not receive payment for treating a Medicare beneficiary and was forced to bill the beneficiary for the entire service.

Paramedic intercept services furnished on or after March 1, 1999, may be payable separate from the ambulance transport, subject to the requirements specified below.

The intercept service(s) is:

- Furnished in a rural area;
- Furnished under a contract with one or more volunteer ambulance services; and,
- Medically necessary based on the condition of the beneficiary receiving the ambulance service.

In addition, the volunteer ambulance service involved must:

- Meet the program's certification requirements for furnishing ambulance services;
- Furnish services only at the BLS level at the time of the intercept; and,
- Be prohibited by State law from billing anyone for any service.

Finally, the entity furnishing the ALS paramedic intercept service must:

- Meet the program's certification requirements for furnishing ALS services, and,
- Bill all recipients who receive ALS paramedic intercept services from the entity, regardless of whether or not those recipients are Medicare beneficiaries.

For purposes of the paramedic intercept benefit, a rural area is an area that is designated as rural by a State law or regulation or any area outside of a Metropolitan Statistical Area or in New England, outside a New England County Metropolitan Area as defined by the Office of Management and Budget. The current list of these areas is periodically published in the **Federal Register**.

See the Medicare Claims Processing Manual, Chapter 15, "Ambulance," §20.1.4 for payment of paramedic intercept services.

Services in a Rural Area

Definition: Services in a rural area are services that are furnished (1) in an area outside a Metropolitan Statistical Area (MSA); or, (2) in New England, outside a New England County Metropolitan Area (NECMA); or, (3) an area identified as rural using the **Goldsmith modification** even though the area is within an MSA.

Emergency Response

Definition: Emergency response is a BLS or ALS1 level of service that has been provided in immediate response to a 911 call or the equivalent. An immediate response is one in which the ambulance provider/supplier begins as quickly as possible to take the steps necessary to respond to the call.

Application: The phrase "911 call or equivalent" is intended to establish the standard that the nature of the call at the time of dispatch is the determining factor. Regardless of the medium by which the call is made (e.g., a radio call could be appropriate) the call is of an emergent nature when, based on the information available to the dispatcher at the time of the call, it is reasonable for the dispatcher to issue an emergency dispatch in light of accepted, standard dispatch protocol. An emergency call need not come through 911 even in areas where a 911 call system exists. However, the determination to respond emergently must be in accord with the local 911 or equivalent service dispatch protocol. If the call came in directly to the ambulance provider/supplier, then the provider's/supplier's dispatch protocol and the dispatcher's actions must meet, at a minimum, the standards of the dispatch protocol of the local 911 or equivalent service. In areas that do not have a local 911 or equivalent service, then both the protocol and the dispatcher's actions must meet, at a minimum, the standards of the dispatch protocol in another similar jurisdiction within the State, or if there is no similar jurisdiction, then the standards of any other dispatch protocol within the State. Where the dispatch was inconsistent with this standard of protocol, including where no protocol was used, the beneficiary's condition (for example, symptoms) at the scene determines the appropriate level of payment.

EMT-Intermediate

Definition: EMT-Intermediate is an individual who is qualified, in accordance with State and local laws, as an EMT-Basic and who is also certified in accordance with State and local laws to perform essential advanced techniques and to administer a limited number of medications.

EMT-Paramedic

Definition: EMT-Paramedic possesses the qualifications of the EMT-Intermediate and, in accordance with State and local laws, has enhanced skills that include being able to administer additional interventions and medications.

Relative Value Units

Definition: Relative value units (RVUs) measure the value of ambulance services relative to the value of a base level ambulance service.

Application: The RVUs for the ambulance fee schedule are as follows:

Service Level RVUs

BLS 1.00

BLS – Emergency 1.60

ALS1 1.20

ALS1 – Emergency 1.90

ALS2 2.75

SCT 3.25

PI 1.75

RVUs are not applicable to FW and RW services.