Pediatric Transport Products for Ground Ambulances

Version 2.0, June 2019

The document is created to for the sole purpose of providing helpful information for EMS services on the products currently available for transporting children in ground ambulances in the US.

DISCLAIMER: This document is NOT an endorsement of any product.

Contents Sorted by:

Page 2: Not Sick | Uninjured

Page 4: Sick | Injured

Condition does not require continuous or intensive medical monitoring/interventions.

Page 6: Sick | Injured

Condition requires continuous and/or intensive medical monitoring and/or interventions.

Page 8: Sick | Injured

Condition requires spinal immobilization and/or lying flat.

Page 10: Sick | Injured

Condition requires transport as part of a multiple patient transport (newborn with Mother, mult

Page 12: Sick | Injured

Child requiring specialized care (e.g., intensive care, interfacility transfer)

Page 13: Alternatives not marketed to EMS ground ambulances

Page 14: Child weight

Please note there are no federal or industry consensus standards in the United States for devices used to secure children in ambulances. Each manufacturer determines if and how their own device will be tested. Prospective purchasers should contact the manufacturer for if and how their device(s) were crash-tested.

There are no criteria for products to be included in this list.

A product's inclusion does not imply that it is deemed "safe" or that is recommended by NASEMSO, the Safe Transport of Children Committee, or any agency or entities thereof.





DISCLAIMER:

This document is a resource for EMS services for comparing devices used to secure children in ambulances.

There are no criteria for products to be included in this list.

A product's inclusion does not imply that it is deemed "safe" or that is recommended by NASEMSO or the Safe Transport of Children Committee.

Organized by DEVICE NAME

Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability			
Situation 1: Not Sic	tuation 1: Not Sick Not Injured.								
EVS	1800 Child/Attendant Seats (integrated–various models)	n/a	20–65 lb (9.07–29.5 kg)	No	Captain's Chair	Wipe Clean			
Quantum EMS	ACR4	5 lb	4–99 lb (1.81–44.90 kg)	No	Cot	Machine Washable			
SAPLACOR/ Quantum EMS	AEGIS	1 lb	4–14 lb (1.18–6.35 kg)	No	Cot, on adult	Single Patient Use			
International Biomedical	AirBorne Embrace Infant Restraint System	4 lb	< 8.6 lb (< 3.9 kg) neonate	Yes	In Transport Incubator on Cot	Single Use (Disposable) Cover, Wipe Clean			
International Biomedical	AirBorne Infant Positioning Straps	< 1 lb	< 11 lb (< 5 kg) neonate	No	In Transport Incubator on Cot	Single Patient Use Only (Disposable)			
International Biomedical	AirBorne Neo-Restraint Infant Positioning Aid	4 lb	1.1–13 lb (.5–6 kg) neonate	No	In Transport Incubator on Cot	Machine Washable			

Organized by DEVICE NAME						
Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability
ituation 1: Not Sic	k Not Injured.					
International Biomedical	AirBorne Papoose Infant Positioning Aid	< 1 lb	2.2–11 lb (1–5 kg) neonate	No	In Transport Incubator on Cot	Wipe Clean
International Biomedical	AirBorne Transportle Infant Positioning Aid	2 lb	< 9.92 lb (< 4.5 kg) neonate	No	In Transport Incubator on Cot	Single Patient Use Only (Disposable)
Quantum EMS	Baby ACR	2 lb	4–11 lb (1.81–4.99 kg)	No	Cot	Machine Washable
First Line Technology	Baby Pod 20 [®] Infant Transport System	20 lb	2–20 lb (0.9–9.07 kg)	No	Cot	Wipe Clean
Serenity	Guardian™ Safety Seat	n/a	5–85 lb (2.26–38.55 kg)	No	Captain's Chair	Wipe Clean
Ferno	KangooFix Neonatal Restraint System	2.2 lb	3.5–11 lb (1.6–4.98 kg)	No	Cot, on adult	Machine Washable
Ferno	Model 222 Pedi-Pal® Child Transport Seat	16 lb	10–40 lb (4.5–18.14 kg)	No	Cot Captain's Chair	Wipe Clean
Ferno	NeoMate™ Pediatric Restraint System	2.6 lb	5–14 lb (2.26–6.35 kg)	No	Cot	Wipe clean
Ferno	Pedi Mate® Pediatric Restraint System	2.4 lb	10–40 lb (4.5–18.14 kg)	No	Cot	Wipe Clean
Ferno	Pedi Mate®+ Restraint System	3.5 lb	10–100 lb (4.5–45.35 kg)	No	Cot	Wipe Clean
Quantum EMS	Pediatric Vacuum Mattress 3- Pack	6.5 lb	4–99 lb (1.81–44.90 kg)	Yes	Cot	Wipe Clean
EP&R, Inc.	Rescue-Air™ Filled Transport Seat	12 lb	20–40 lb (9.07–18.14 kg)	No	Cot Captain's Chair	Wipe Clean

Version 2.0, June 2019





DISCLAIMER:

This document is a resource for EMS services for comparing devices used to secure children in ambulances.

There are no criteria for products to be included in this list.

A product's inclusion does not imply that it is deemed "safe" or that is recommended by NASEMSO or the Safe Transport of Children Committee.

Organized by DEVICE NAME

Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability
ituation 2: Sick						
EVS	1800 Child/Attendant Seats (integrated–various models)	n/a	20–65 lb (9.07–29.5 kg)	No	Captain's Chair	Wipe Clean
Quantum EMS	ACR4	5 lb	4–99 lb (1.81–44.90 kg)	No	Cot	Machine Washable
SAPLACOR/ Quantum EMS	AEGIS	1 lb	4–14 lb (1.18–6.35 kg)	No	Cot, on adult	Single Patient Use
International Biomedical	AirBorne Embrace Infant Restraint System	4 lb	< 8.6 lb (< 3.9 kg) neonate	Yes	In Transport Incubator on Cot	Single Use (Disposable) Cover, Wipe Clean
International Biomedical	AirBorne Infant Positioning Straps	< 1 lb	< 11 lb (< 5 kg) neonate	No	In Transport Incubator on Cot	Single Patient Use Only (Disposable)
International Biomedical	AirBorne Neo-Restraint Infant Positioning Aid	4 lb	1.1–13 lb (.5–6 kg) neonate	No	In Transport Incubator on Cot	Machine Washable

Organized by						
Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability
ituation 2: Sick						
International Biomedical	AirBorne Papoose Infant Positioning Aid	< 1 lb	2.2–11 lb (1–5 kg) neonate	No	In Transport Incubator on Cot	Wipe Clean
International Biomedical	AirBorne Transportle Infant Positioning Aid	2 lb	< 9.92 lb (< 4.5 kg) neonate	No	In Transport Incubator on Cot	Single Patient Use Only (Disposable)
Quantum EMS	Baby ACR	2 lb	4–11 lb (1.81–4.99 kg)	No	Cot	Machine Washable
First Line Technology	Baby Pod 20 [®] Infant Transport System	20 lb	2–20 lb (0.9–9.07 kg)	No	Cot	Wipe Clean
Serenity	Guardian™ Safety Seat	n/a	5–85 lb (2.26–38.55 kg)	No	Captain's Chair	Wipe Clean
Ferno	KangooFix Neonatal Restraint System	2.2 lb	3.5–11 lb (1.6–4.98 kg)	No	Cot, on adult	Machine Washable
Ferno	NeoMate™ Pediatric Restraint System	2.6 lb	5–14 lb (2.26–6.35 kg)	No	Cot	Wipe clean
Ferno	Pedi Mate® Pediatric Restraint System	2.4 lb	10–40 lb (4.5–18.14 kg)	No	Cot	Wipe Clean
Ferno	Pedi Mate®+ Restraint System	3.5 lb	10–100 lb (4.5–45.35 kg)	No	Cot	Wipe Clean
Quantum EMS	Pediatric Vacuum Mattress 3- Pack	6.5 lb	4–99 lb (1.81–44.90 kg)	Yes	Cot	Wipe Clean
EP&R, Inc.	Rescue-Air™ Filled Transport Seat	12 lb	20–40 lb (9.07–18.14 kg)	No	Cot Captain's Chair	Wipe Clean





DISCLAIMER:

This document is a resource for EMS services for comparing devices used to secure children in ambulances.

There are no criteria for products to be included in this list.

A product's inclusion does not imply that it is deemed "safe" or that is recommended by NASEMSO or the Safe Transport of Children Committee.

Organized by CHILD W	/EIGHT
----------------------	--------

Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability		
tuation 3: Sick Injured. Condition <u>requires</u> continuous and/or intensive medical monitoring and/or interventions.								
Quantum EMS	ACR4	5 lb	4–99 lb (1.81–44.90 kg)	No	Cot	Machine Washable		
International Biomedical	AirBorne Embrace Infant Restraint System	4 lb	< 8.6 lb (< 3.9 kg) neonate	Yes	In Transport Incubator on Cot	Single Use (Disposable) Cover, Wipe Clean		
International Biomedical	AirBorne Infant Positioning Straps	< 1 lb	< 11 lb (< 5 kg) neonate	No	In Transport Incubator on Cot	Single Patient Use Only (Disposable)		
International Biomedical	AirBorne Neo-Restraint Infant Positioning Aid	4 lb	1.1–13 lb (.5–6 kg) neonate	No	In Transport Incubator on Cot	Machine Washable		
International Biomedical	AirBorne Papoose Infant Positioning Aid	< 1 lb	2.2–11 lb (1–5 kg) neonate	No	In Transport Incubator on Cot	Wipe Clean		
International Biomedical	AirBorne Transportle Infant Positioning Aid	2 lb	< 9.92 lb (< 4.5 kg) neonate	No	In Transport Incubator on Cot	Single Patient Use Only (Disposable)		

Organized by	Organized by CHILD WEIGHT							
Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability		
ituation 3: Sick	uation 3: Sick Injured. Condition <u>requires</u> continuous and/or intensive medical monitoring and/or interventions.							
Quantum EMS	Baby ACR	2 lb	4–11 lb (1.81–4.99 kg)	No	Cot	Machine Washable		
First Line Technology	Baby Pod 20® Infant Transport System	20 lb	2–20 lb (0.9–9.07 kg)	No	Cot	Wipe Clean		
Ferno	NeoMate™ Pediatric Restraint System	2.6 lb	5–14 lb (2.26–6.35 kg)	No	Cot	Wipe clean		
Ferno	Pedi Mate® Pediatric Restraint System	2.4 lb	10–40 lb (4.5–18.14 kg)	No	Cot	Wipe Clean		
Ferno	Pedi Mate®+ Restraint System	3.5 lb	10–100 lb (4.5–45.35 kg)	No	Cot	Wipe Clean		
Quantum EMS	Pediatric Vacuum Mattress 3- Pack	6.5 lb	4–99 lb (1.81–44.90 kg)	Yes	Cot	Wipe Clean		
EP&R, Inc.	Rescue-Air™ Filled Transport Seat	12 lb	20–40 lb (9.07–18.14 kg)	No	Cot Captain's Chair	Wipe Clean		





DISCLAIMER:

This document is a resource for EMS services for comparing devices used to secure children in ambulances.

There are no criteria for products to be included in this list.

A product's inclusion does not imply that it is deemed "safe" or that is recommended by NASEMSO or the

A product's inclusion does not imply that it is deemed "safe" or that is recommended by NASEMSO or the Safe Transport of Children Committee.

Organized by DEVICE NAME

Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability
Situation 4: Sick	Injured. Condition requires spina	l immobiliz	ation and/or lying	flat.		
First Line Technology	Baby Pod 20® Infant Transport System	20 lb	2–20 lb (0.9–9.07 kg)	No	Cot	Wipe Clean
Quantum EMS	Pediatric Vacuum Mattress 3- Pack	6.5 lb	4–99 lb (1.81–44.90 kg)	Yes	Cot	Wipe Clean
Allied Healthcare	LSP Pediatric Immobilizer	6 lbs	20–75 lb (9.07–34 kg)	Yes	Cot	Wipe Clean
Ferno	Model 676 Medkids® Baby Board	6 lb	2–15 lb (0.9–6.8 kg)	Yes	Cot	Wipe Clean/Hand Wash Some Parts
Ferno	Model 677 Medkids® Pedi- Sleeve	3 lb	12–60 lb (5.44–27.22 kg)	Yes	Cot	Wipe Clean/Hand Wash Some Parts
Ferno	Model 78 Pedi-Pac® Pediatric Immobilizer	7 lb	20–90 lb (9.07–40.82 kg)	Yes	Cot	Machine Washable
Iron Duck	Pedi-Air-Align® Board	7.5 lb	10–20 lb (4.5–9.07 kg)	Yes	Cot	Wipe Clean

Organized by	Organized by DEVICE NAME							
Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability		
Situation 4: Sick	Injured. Condition requires spina	flat.						
Hartwell	Pediatric Vacuum Mattress	9.2 lb	10–75 lb (4.5–34 kg)	Yes	Cot	Wipe Clean		
MDI	Pediatric Vacuum Mattress	8 lb	10–60 lb (4.5–27.22 kg)	Yes	Cot	Wipe Clean		





DISCLAIMER:

This document is a resource for EMS services for comparing devices used to secure children in ambulances.

There are no criteria for products to be included in this list.

A product's inclusion does not imply that it is deemed "safe" or that is recommended by NASEMSO or the Safe Transport of Children Committee.

Organized by DEVICE NAME								
Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability		
Situation 5: Sick Injured. Condition requires transport as part of a multiple patient transport (newborn with Mother, multiple children, etc.)								
First Line Technology	Baby Pod 20® Infant Transport System	20 lb	2–20 lb (0.9–9.07 kg)	No	Cot	Wipe Clean		
International Biomedical	AirBorne Embrace Infant Restraint System	4 lb	< 8.6 lb (< 3.9 kg) neonate	Yes	In Transport Incubator on Cot	Single Use (Disposable) Cover, Wipe Clean		
International Biomedical	AirBorne Infant Positioning Straps	< 1 lb	< 11 lb (< 5 kg) neonate	No	In Transport Incubator on Cot	Single Patient Use Only (Disposable)		
International Biomedical	AirBorne Neo-Restraint Infant Positioning Aid	4 lb	1.1–13 lb (.5–6 kg) neonate	No	In Transport Incubator on Cot	Machine Washable		
International Biomedical	AirBorne Papoose Infant Positioning Aid	< 1 lb	2.2–11 lb (1–5 kg) neonate	No	In Transport Incubator on Cot	Wipe Clean		
International Biomedical	AirBorne Transportle Infant Positioning Aid	2 lb	< 9.92 lb (< 4.5 kg) neonate	No	In Transport Incubator on Cot	Single Patient Use Only (Disposable)		

Organized by	Organized by DEVICE NAME							
Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability		
ituation 5: Sick	Injured. Condition requires transp	port as part	of a multiple pati	ent transport (nev	vborn with Mother, r	nultiple children, etc.)		
Ferno	Pedi Mate® Pediatric Restraint System	2.4 lb	10–40 lb (4.5–18.14 kg)	No	Cot	Wipe Clean		
EP&R, Inc.	Rescue-Air™ Filled Transport Seat	12 lb	20–40 lb (9.07–18.14 kg)	No	Cot Captain's Chair	Wipe Clean		
EVS	1800 Child/Attendant Seats (integrated–various models)	n/a	20–65 lb (9.07–29.5 kg)	No	Captain's Chair	Wipe Clean		
SAPLACOR/ Quantum EMS	AEGIS	1 lb	4–14 lb (1.18–6.35 kg)	No	Cot, on adult	Single Patient Use		
Serenity	Guardian™ Safety Seat	n/a	5–85 lb (2.26–38.55 kg)	No	Captain's Chair	Wipe Clean		
Ferno	KangooFix Neonatal Restraint System	2.2 lb	3.5–11 lb (1.6–4.98 kg)	No	Cot, on adult	Machine Washable		





DISCLAIMER:

This document is a resource for EMS services for comparing devices used to secure children in ambulances.

There are no criteria for products to be included in this list.

A product's inclusion does not imply that it is deemed "safe" or that is recommended by NASEMSO or the Safe Transport of Children Committee.

Organized by DEVICE NAME							
Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability	
Situation 6: Sick	Injured. Child requiring specialize	ed care (e.g	., intensive care, ii	nterfacility transf	er)		
First Line Technology	Baby Pod 20 [®] Infant Transport System	20 lb	2–20 lb (0.9–9.07 kg)	No	Cot	Wipe Clean	
Quantum EMS	Pediatric Vacuum Mattress 3- Pack	6.5 lb	4–99 lb (1.81–44.90 kg)	Yes	Cot	Wipe Clean	
Quantum EMS	ACR4	5 lb	4–99 lb (1.81–44.90 kg)	No	Cot	Machine Washable	
Quantum EMS	Baby ACR	2 lb	4–11 lb (1.81–4.99 kg)	No	Cot	Machine Washable	
Ferno Aviation	Baby PodII® Infant Transport System with FAA kit	20 lb	2–20 lb (0.9–9.07 kg)	No	Cot	Wipe Clean	

Pediatric Transport Products for Ground Ambulances



There are no federal or industry consensus standards in the US for devices used to secure children in ambulances. Each manufacturer determines if/how it will test. Prospective purchasers should contact the manufacturer for crash-test information.

DISCLAIMER:

This document is a resource for EMS services for comparing devices used to secure children in ambulances.

There are no criteria for products to be included in this list.

A product's inclusion does not imply that it is deemed "safe" or that is recommended by NASEMSO or the Safe Transport of Children Committee.

Organized by DEVICE NAME

	Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability
S	ituation 7: Altern	atives not marketed to EMS grou					
	Various	Convertible Car Seats	varies	varies	No	Cot Captain's chair	Consult Manuals
	Dorel Juvenile	Dreamride Infant Car Bed	6.8 lb	5–20 lb (2.26–9.07 kg)	No	Cot	Machine wash pad



Pediatric Transport Products for Ground Ambulances

There are no federal or industry consensus standards in the US for devices used to secure children in ambulances. Each manufacturer determines if/how it will test. Prospective purchasers should contact the manufacturer for crash-test information.

DISCLAIMER:

This document is a resource for EMS services for comparing devices used to secure children in ambulances.

There are no criteria for products to be included in this list.

A product's inclusion does not imply that it is deemed "safe" or that is recommended by NASEMSO or the Safe Transport of Children Committee.

Organized by CHILD WEIGHT

Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability
International Biomedical	AirBorne Neo-Restraint Infant Positioning Aid	4 lb	1.1–13 lb (.5–6 kg) neonate	No	In Transport Incubator on Cot	Machine Washable
Ferno	Model 676 Medkids® Baby Board	6 lb	2–15 lb (0.9–6.8 kg)	Yes	Cot	Wipe Clean/Hand Wash Some Parts
Ferno Aviation	Baby Podll® Infant Transport System with FAA kit	20 lb	2–20 lb (0.9–9.07 kg)	No	Cot	Wipe Clean
First Line Technology	Baby Pod 20® Infant Transport System	20 lb	2–20 lb (0.9–9.07 kg)	No	Cot	Wipe Clean
International Biomedical	AirBorne Papoose Infant Positioning Aid	< 1 lb	2.2–11 lb (1–5 kg) neonate	No	In Transport Incubator on Cot	Wipe Clean
Ferno	KangooFix Neonatal Restraint System	2.2 lb	3.5–11 lb (1.6–4.98 kg)	No	Cot, on adult	Machine Washable
Quantum EMS	Baby ACR	2 lb	4–11 lb (1.81–4.99 kg)	No	Cot	Machine Washable
SAPLACOR/ Quantum EMS	AEGIS	1 lb	4–14 lb (1.18–6.35 kg)	No	Cot, on adult	Single Patient Use

Organized by CHILD WEIGHT							
Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability	
Quantum EMS	ACR4	5 lb	4–99 lb (1.81–44.90 kg)	No	Cot	Machine Washable	
Quantum EMS	Pediatric Vacuum Mattress 3- Pack	6.5 lb	4–99 lb (1.81–44.90 kg)	Yes	Cot	Wipe Clean	
Ferno	NeoMate™ Pediatric Restraint System	2.6 lb	5–14 lb (2.26–6.35 kg)	No	Cot	Wipe clean	
Dorel Juvenile	Dreamride Infant Car Bed	6.8 lb	5–20 lb (2.26–9.07 kg)	No	Cot	Machine wash pad	
Serenity	Guardian™ Safety Seat	n/a	5–85 lb (2.26–38.55 kg)	No	Captain's Chair	Wipe Clean	
International Biomedical	AirBorne Embrace Infant Restraint System	4 lb	< 8.6 lb (< 3.9 kg) neonate	Yes	In Transport Incubator on Cot	Single Use (Disposable) Cover, Wipe Clean	
International Biomedical	AirBorne Transportle Infant Positioning Aid	2 lb	< 9.92 lb (< 4.5 kg) neonate	No	In Transport Incubator on Cot	Single Patient Use Only (Disposable)	
Iron Duck	Pedi-Air-Align® Board	7.5 lb	10–20 lb (4.5–9.07 kg)	Yes	Cot	Wipe Clean	
Ferno	Model 222 Pedi-Pal® Child Transport Seat	16 lb	10–40 lb (4.5–18.14 kg)	No	Cot Captain's Chair	Wipe Clean	
Ferno	Pedi Mate® Pediatric Restraint System	2.4 lb	10–40 lb (4.5–18.14 kg)	No	Cot	Wipe Clean	
MDI	Pediatric Vacuum Mattress	8 lb	10–60 lb (4.5–27.22 kg)	Yes	Cot	Wipe Clean	
Hartwell	Pediatric Vacuum Mattress	9.2 lb	10–75 lb (4.5–34 kg)	Yes	Cot	Wipe Clean	
Ferno	Pedi Mate®+ Restraint System	3.5 lb	10–100 lb (4.5–45.35 kg)	No	Cot	Wipe Clean	

Organized by CHILD WEIGHT							
Manufacturer	Device Name	Product Weight	Child Weight	Immobilization Capable?	Installation Compatibility	Cleanability	
International Biomedical	AirBorne Infant Positioning Straps	< 1 lb	< 11 lb (< 5 kg) neonate	No	In Transport Incubator on Cot	Single Patient Use Only (Disposable)	
Ferno	Model 677 Medkids® Pedi- Sleeve	3 lb	12–60 lb (5.44–27.22 kg)	Yes	Cot	Wipe Clean/Hand Wash Some Parts	
EP&R, Inc.	Rescue-Air™ Filled Transport Seat	12 lb	20–40 lb (9.07–18.14 kg)	No	Cot Captain's Chair	Wipe Clean	
EVS	1800 Child/Attendant Seats (integrated–various models)	n/a	20–65 lb (9.07–29.5 kg)	No	Captain's Chair	Wipe Clean	
Allied Healthcare	LSP Pediatric Immobilizer	6 lbs	20–75 lb (9.07–34 kg)	Yes	Cot	Wipe Clean	
Ferno	3	7 lb	20–90 lb (9.07–40.82 kg)	Yes	Cot	Machine Washable	
Various	Convertible Car Seats	varies	varies	No	Cot Captain's chair	Consult Manuals	