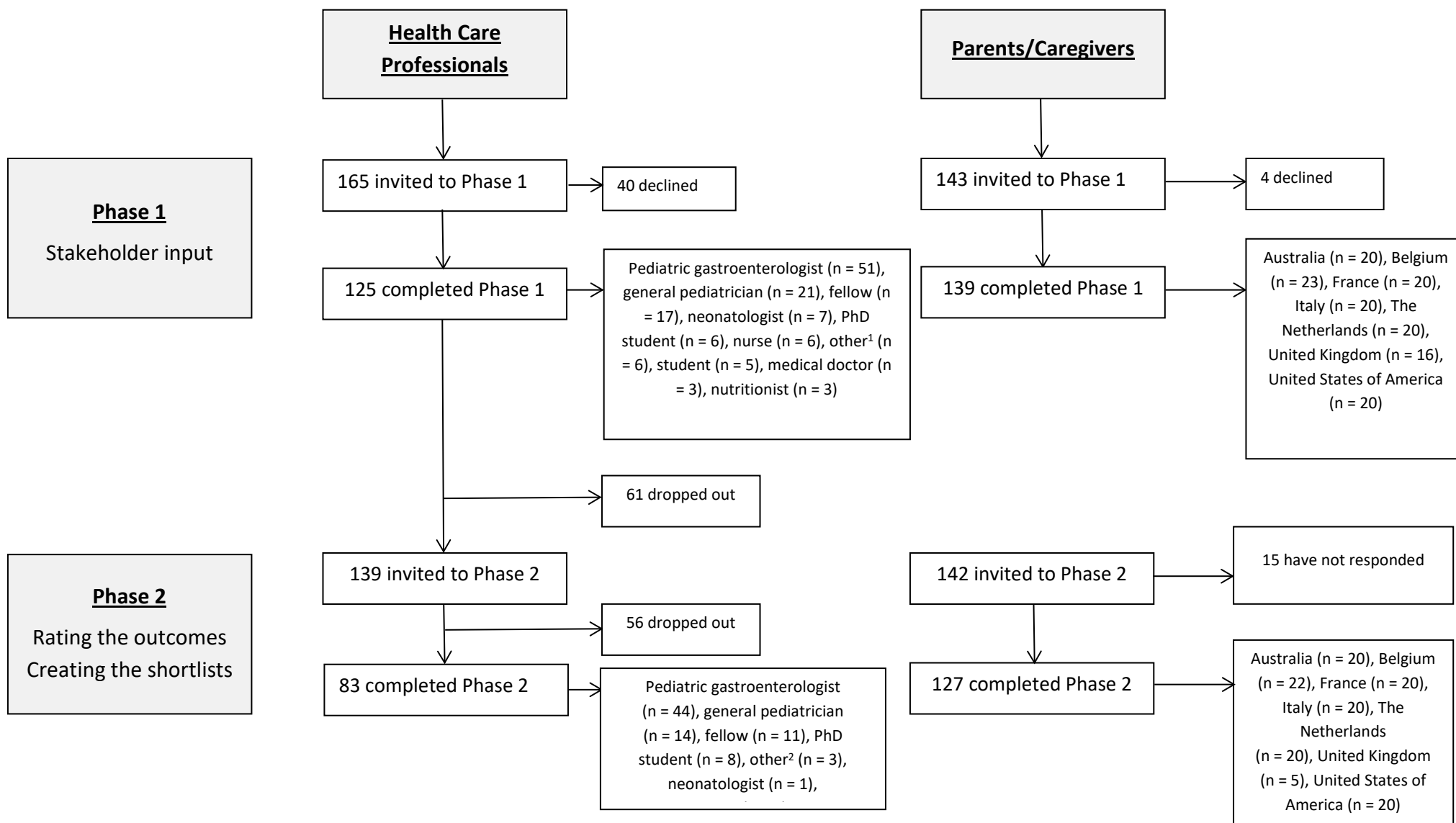


Supplemental Figure 1. Study flowchart showing participants in each phase of the study

¹Not further specified (4), physician (1), oncology pediatrician (1)

²Pediatric surgeon (2), speech pathologist (1)



Supplemental Table 1 Outcome measures as reported by healthcare professionals for the**outpatient** setting (n=125) *Outcomes that were mentioned by >10% of the respondents are highlighted in

bold

Patient-related outcomes

Domain	Outcome	Total, n (%)*
Thriving	Weight gain	68 (55)
	Failure to thrive	18 (15)
	Weight loss	9 (7)
	Normal thriving	8 (6)
Feeding	Feeding problems¹	48 (39)
	Thickened feeds	3 (2)
	Breastfeeding	2 (2)
	Requiring enteral tube feeding	1 (1)
Symptoms	General symptom improvement	23 (19)
Crying/distress	Irritability	14 (11)
	Crying duration	13 (10)
	Crying (not further specified)	10 (8)
	Child comfort	8 (6)
	Colic	3 (2)
	Crying spells	1 (1)
Hematemesis	Hematemesis	14 (11)
Regurgitation/ Vomiting	Vomiting	
	General (not further specified)	13 (10)
	Frequency	8 (6)
	Amount	1 (1)
	Regurgitation	
	General (not further specified)	5 (4)
	Frequency	3 (2)
	Amount	1 (1)
	Spitting	

	General (not further specified)	2	(2)
	Volume	2	(2)
	Frequency	1	(1)
	Reflux	3	(2)
	Rumination	1	(1)
Ear, Nose and	Respiratory symptoms	13	(10)
Throat symptoms	Aspiration/consequences of aspiration	11	(9)
	ALTE/SIDS ²	4	(3)
	Respiratory infection	3	(2)
Medication	Any use of anti-reflux medication ³	12	(10)
	Efficacy	12	(10)
	Safety	7	(6)
	Compliance	1	(1)
Complications	GERD-related complications ⁴	12	(10)
Endoscopy	Evidence of esophagitis	11	(9)
parameters	Endoscopy (not further specified)	1	(1)
	Evidence of gastritis	1	(1)
Sleep	Quality and/or quantity of sleep	10	(8)
Posture/position	Posture/ position (not further specified)	7	(6)
Pain	Pain (not further specified)	6	(5)
	Back arching	5	(4)
	Abdominal pain	1	(1)
Hospital visits	Admissions	4	(3)
Laboratory	Parameters of anemia	4	(3)
parameters	General laboratory parameters (not further specified)	2	(2)
Costs	Cost of treatment (not further specified)	3	(2)
	Cost of admissions	2	(2)
Stool	Frequency	3	(2)
Death	Death	3	(2)
pH-MII parameters	pH-metry (parameters not further specified)	1	(1)

pH-impedance (parameters not further specified)		1 (1)
Parent-and-patient-related outcomes		
Quality of life	Quality of life ⁵	5 (4)
Parent-related outcomes		
Domain	Outcome	Total, n (%)
Stress	Parental stress/anxiety	20 (16)
Reassurance	Education	10 (8)
	Reassurance	2 (2)
Satisfaction	Satisfaction	6 (5)
	Parental quality of life	3 (2)

¹Including aversion, intake, pattern, volume and milk tolerance

²Apparent life-threatening event/Sudden infant death syndrome

³Including proton-pump inhibitors, histamine-2 receptor antagonists, antacids, prokinetics

⁴Including complications (not further specified) (4), infections (3), perforation (2), ulcer (1), H. pylori (1), Sandifer syndrome (1)

⁵Not specified whether outcome relates to the patient or parents/family

(three unclear outcomes ("less suitable," "achievement of greater potential" and "increase of allergy intake") are not displayed)

Supplemental Table 2 Outcome measures as reported by healthcare professionals for the **inpatient**

setting (n=122) *Outcomes that were mentioned by >10% of the respondents are highlighted in bold

Patient-related outcomes		
Domain	Outcome	Total, n (%)*
Thriving	Weight gain	55 (45)
	Failure to thrive	11 (9)
	Weight loss	9 (7)
	Normal thriving	6 (5)
Feeding	Feeding problems¹	52 (43)
	Requiring enteral tube feeding ²	7 (6)
	Use of thickened feeds	3 (2)
	Breastfeeding	1 (1)
Complications	GERD-related complications³	25 (20)
Symptoms	General symptom improvement	22 (18)
Ear, Nose and Throat symptoms	Respiratory symptoms	21 (17)
	Aspiration	10 (8)
	Respiratory infection	5 (4)
	Lung damage	3 (2)
	ALTE/SIDS ⁴	2 (2)
Hematemesis	General (not further specified)	21 (17)
	Frequency	1 (1)
Regurgitation/ vomiting	Vomiting	
	General (not further specified)	14 (11)
	Frequency	3 (2)
	Regurgitation	
	General (not further specified)	3 (2)
	Frequency	1 (1)
	Spitting	
	General (not further specified)	1 (1)

	Frequency	1 (1)
	Volume	1 (1)
	Reflux	2 (2)
Endoscopy	Evidence of esophagitis	14 (11)
parameters	Endoscopy (not further specified)	5 (4)
	Evidence of gastritis	1 (1)
Medication	Any use of anti-reflux medication⁵	13 (11)
	Efficacy	8 (7)
	Safety	7 (6)
	Compliance	1 (1)
Crying/distress	Irritability	10 (8)
	Crying duration	10 (8)
	Child comfort	5 (4)
	Crying (not further specified)	3 (2)
	Crying spells	1 (1)
Costs	Cost of treatment (not further specified)	8 (7)
Sleep	Quality and/or quantity of sleep	7 (6)
Hospital visits	Duration of admissions	6 (4)
	Number of admissions	3 (2)
Pain	Pain (not further specified)	4 (3)
	Back arching	3 (2)
	Abdominal pain	2 (2)
Laboratory	Parameters of anemia	4 (3)
parameters	General laboratory parameters (not further specified)	1 (1)
Death	Death	4 (3)
Position/posture	Position/posture (not further specified)	4 (3)
pH-MII parameters	pH-metry (parameters not further specified)	3 (2)
	pH-impedance (parameters not further specified)	2 (2)
Stool	Frequency	3 (2)
	Consistency	1 (1)

Parent-and-patient-related outcomes

Quality of life	Quality of life ⁶	3 (2)
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Parent-related outcomes

Domain	Outcome	Total, n (%)
Stress	Parental stress/anxiety	11 (9)
Reassurance	Education	6 (4)
	Reassurance	3 (2)
Satisfaction	Satisfaction	5 (4)

¹Including aversion, intake, pattern, volume and milk tolerance

²Including percutaneous endoscopic gastrostomy, enteral feeding, nasogastric tube and IV fluid

³Including complications (outcome not further specified) (6), infections (4), Sandifer syndrome (1), associated disease (1), malformation in intestine (1), sepsis (1), H. pylori (1), skin eczema (1), dysphagia (1), perforation stomach (1), nasogastric tube trauma (1), esophageal strictures (1), surgery side effects (1), improved vital signs (1), abnormal upper gastro intestinal series suggestive of medical issues (1), ulcer (1), chest problems (1)

⁴Apparent life-threatening event/Sudden infant death syndrome/Brief resolved unexplained events

⁵Including proton-pump inhibitors, histamine-2 receptor antagonists, antacids, prokinetics

⁶Not specified whether outcome relates to the patient or parents/family

(five unclear outcomes, ("reversible," "allergy signs (2)," "allergy in family" and "achievement of greater potential") are not displayed)

Supplemental Table 3 Outcome measures as reported by parents (n=139) * Outcomes that were mentioned by >10% of the respondents are highlighted in bold

Patient-related outcomes		
Domain	Outcome	Total, n (%)*
Feeding	Feeding problems¹	52 (37)
	Use of thickened feeds	12 (9)
	Requiring enteral tube feeding	1 (1)
Medication	Any use of anti-reflux medication²	36 (26)
	Efficacy	12 (9)
	Safety	9 (6)
	Compliance	2 (1)
Regurgitation/ Vomiting	Regurgitation	
	General (not further specified)	27 (19)
	Amount	2 (1)
	Vomiting	
	General (not further specified)	23 (17)
	Amount	3 (2)
	Reflux	10 (7)
	Acid smell	3 (2)
	Eructation	3 (2)
	Regurgitation/reflux	3 (2)
	Hiccup	2 (1)
	Nausea	2 (1)
	Drooling	1 (1)
	Gagging	1 (1)
Symptoms	General symptom improvement	26 (19)
Crying/distress	Child comfort	23 (17)
	Crying duration	18 (13)
	Crying (not further specified)	14 (10)

	Irritability	14	(10)
	Colic	3	(2)
Ear, Nose and Throat symptoms	Respiratory symptoms	22	(16)
	Aspiration	1	(1)
	Respiratory infection	1	(1)
Sleep	Quality and/or quantity of sleep	22	(16)
Thriving	Weight gain	15	(11)
	Normal thriving	5	(4)
	Weight loss	3	(2)
	Failure to thrive	1	(1)
Pain	Pain (not further specified)	13	(9)
	Back arching	3	(2)
	Abdominal pain	1	(1)
	Epigastric pain	1	(1)
Posture/position	Posture/ position (not further specified)	12	(9)
Complications	GERD-related complications ³	6	(4)
Hospital visits	Admissions	2	(1)
Stool	Frequency	2	(1)
Endoscopy parameters	Evidence of esophagitis	1	(1)
Hematemesis	Hematemesis	1	(1)
Parent-and-patient-related outcomes			
Quality of life	Quality of life ⁴	2	(1)
Parent-related outcomes			
Domain	Outcome	Total, n (%)	
Reassurance	Parental reassurance	64	(46)
	Education	20	(14)
Satisfaction	Parental satisfaction	47	(34)
	Parental quality of life	2	(1)
Stress	Family support	6	(4)

Parental stress/anxiety	3	(2)
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¹Including food aversion, food intake, feeding pattern, volume of feeds, pain and milk tolerance

²Including proton-pump inhibitors, histamine-2 receptor antagonists, antacids, prokinetics

³Including hypotonia (2), rash (2), bradycardia (1), digestive problems (1)

⁴Not specified whether outcome relates to the patient or parents/family

(one unclear outcome ("no consideration of pregnancy") is not displayed)