Table S1. Summary of content analysis of articles retrieved.

	Year		Setting	
Author	Country	Objective		Content analysis of main findings
	Type of Document	,	Target population	
Champ CE,	2019	To quantify vending machines	Hospital	-Governance and decision-making power of the organization instead of the industry on food supply.
Larrobino NA & Haskins CP	USA	in hospitals, and analyse how they correspond with dietary	Service users of	-Transition from "for profit" to "leading by example" visionLong-term approach for supply and education strategies.
[43]	Research article	recommendations	the Hospitals	
	2018	- To explain the role of clinicians as food procurement advocates To describe Institutional Food Procurement as a Public Health Strategy	Healthcare institutions	 -Governance: create a multi-level and multidisciplinary and transversal team to partner in policy development. -Commitment. -Communication of the food strategy transitions to the general public.
Reinhardt S. & Salvador RJ	USA		Healthcare professionals and clinicians	
[53]	Policy Forum			to raise awareness. - External certification useful in the process for change. - Investments with a long-term approach (i.e. savings in healthcare).
Pitts SJ, Schwartz B, et al. [56]	2018	To synthesize information on best practices on sustainability of healthy food service guidelines	Hospital cafeterias	-Investment: training, equipment, supply capacityFood service: control of portion sizes, innovative menus, continuous
	USA		Food service	evaluation of dishes, awareness. -Process approach: a progressive journey for transition.
	Research article		Directors	- Marketing to introduce sustainable and healthy foods profitably Communication with staff, visitors, patients to maintain motivation.

	2017	To explore the organizational culture, procurement practices and other contextual factors that influence food provisioning in large organizations	Large organizations from the west of Ireland	 - Gender approach. - "Leading by example" vs. "Value for money" - Long-term approach: investments required. - Food service and food supply: on-site catering and sourcing aligned to local food systems.
Goggins G. [55]	Ireland		Key decision	- Governance: transversal and multilevel Communication, awareness and relationship building with
	Research article		makers on procurement management	stakeholders. -Training in-house staff and producers, with multilevel perspective; social, economic, and environmental impacts of food choices. -Evaluation of the strategy and cost efficiency.
	2017	To evaluate the impact and challenges of implementing a Food for Life approach	NHS Trusts in England	-External certification aid in the development and the commitmentProcess approach step-by-step (i.e. easier to start changing cafeteria food).
Gray S, Orme	UK		Strategic managers, sustainability leaders and staff well-being coordinators	 -Holistic approach: system approach. -Long-term focus. -Leadership is a key factor for commitment and to mobilise a multidisciplinary group -Governance: multidisciplinary team. -Training, awareness for community engagement and education. -Investment at various levels (including on-site cooking infrastructures). -"Lead-by-example" also in vending machines.
J, et al. [44]	Research article			
	2016	To measure the effect of the Danish Organic Action Plan 2020. To map key curriculum components towards organic food conversion.	Danish public kitchens	-External certification: to set targets and as drivers for changeTraining of kitchen staff for organic conversion.
Sørensen NN, Tetens I, <i>et al</i> . [54]	Denmark		Public kitchen	 Increasing knowledge leads to increase commitment. -Multidisciplinary and holistic approach to training and curriculum design. -Commitment of the organization required for success in food conversion.
[34]	Research article		workers	

	2015	To moscure physical and	Danish public kitchens	- Gender approach Training as a key tool to increase commitment, improve beliefs, - attitudes and motivation among kitchen workers.
Sørensen NN, Løje H, Tetens	Denmark	 To measure physical and psychological well-being among kitchen workers involved in the Danish Organic Action Plan 2020 		-Sense of ownership of the organic conversion process among kitchen workers is key for success.
I, et al.[63]	Research article		Public Kitchen workers	No differences between baseline and follow-up on psychological wellbeing.Only general body fatigue was highlighted.Positive impact on the job satisfaction, on joy and motivation to work.
Bloomfield C. [45]	2015	To understand how the structures and processes of governance on hospital food provision enable and constrain the ability of actors to frame and put sustainability into practice across the institutional structures of the National Health Service (NHS)	NHS hospital in Wales	-Evaluation of processes on Sustainable ProcurementCommunication and relationship buildingFood service. Assistance, impact on food waste. Development of recipes and menus with seasonal and local
	UK		Those involved	 ingredients External leadership to aid in the transition. Food supply: flexible approach to tender procedures and contract innovation, relaxed food safety accreditation; nutritional standards as qualitative elements to favour local-fresh produce; customer service
	Research article		in public procurement or provision	and setting a fixed price. -Investment: offering infrastructure to SMEs to facilitate distribution. -Leadership: a public procurement approach that encourages leadership and learning through governance structures in collaboration. -Governance: vertical and horizontal collaboration.

	2015	To underline the lack of food care in the health system and raise the economic and social importance of a health system that takes care of food	Hospital cafeteria	-Holistic approach: sustainable and healthy food as treatment and preventionLeadership and commitment by managerial and medical staff and workers.
	USA			-Sustainable food supply: relocalization of food procurement impacts on community economy and health.
Cohen G. [46]	Opinion article		system management	 Training. Sustainable food service. Also in retail and vending with sustainable food. Peer-to-peer and communication. Hospitals can team-up with other industries where food and health are inextricably linked to build a powerful sustainable food model.
	2015	To compare and contrast the perceptions and attitudes of food producers and distributors, as well as hospital staff involved in food procurement and management.	Hospital cafeterias	-Gender approach.
Perline A.,	USA		Hospital food procurement, management staff, local food producers and distributors	 -Communication and partnership between producer and institution. -Long term commitment in contracts, investments (i.e. processing facilities) -Training and networking for staff to increase commitment and enthusiasm -Food supply: the demand should fit the capacity of local production and seasonality. Leadership necessary.
Heuscher A., et al. [47]	Research article			
Beer & Lemmer [62]	2011	To understand the nature of the food supply chain and the way that environmental "costs" are accumulated	Catering sector	- Holistic approach to evaluate the impacts of the food system.
	UK		Agents interested in food procurement	- Evaluation strategy for cost implications Investments. Make Farm-to-Hospital Partnerships more productive (staff, infrastructure).
	Research article			

Sonnino R. & McWilliam S. [23]	2011		Hospitals in Wales	-Holistic approach to food wasteGovernance: integral approach with key actors for waste-sensitive public procurement strategies.
	UK	To contribute to the emerging sustainable food system debate through a focus on the links between hospital food waste, catering practices and public procurement strategies	Catering managers, dietetic assistants and nurses	 -Food service (i.e. protected mealtimes, bulk vs. plated food, etc.) and food quality linked to waste. -Evaluation: food quality, food waste monitoring, economic impact -Communication between patient and staff to define the reasons behind food wastage -Training gaps on food waste issues. -Commitment of staff and institutions to buying sustainably. -Investments in infrastructure, staff and time.
	Research article			
Wilson ED & Garcia AC [48]	2011	To explore the beliefs, attitudes, and behaviours related to environmentally friendly practices in health care food services	Hospitals	 -Gender approach. - Training of staff from a holistic approach. Low scores in the beliefs, behaviours and attitudes on food category could be due to lack of
	Canada		Food service managers, clinical dietitians, food service technicians, senior leaders	knowledge. Need for education on environmental impacts of food choices. - Marketing and awareness campaigns to increase impact in belief in and behaviour towards sustainable diets.
	Research article			

DG Environment. European Commission [29]	2016 Belgium	To help public authorities successfully plan and implement GPP, under the 2014 Procurement Directives	Public institutions Public	Process approach with clear targets and time frames. Governance: multidisciplinary team to design, plan and develop a food procurement process from a green perspective (i.e. MEAT, minimum percentage of organic). Contract requirements and awarding criteria have to be verifiable. Training at various levels: strategy development, tendering application. Peer-to-peer network to pass on the knowledge. Managerial Leadership and support. High-level support is an important factor for the success of GPP. Evaluation and monitoring system.
	Policy		authorities, corporate purchasers, suppliers and service providers – particularly SMEs	
	2018	To provide support to stakeholders in the design and implementation of public food procurement initiatives that aim to facilitate food purchases from smallholder farmers	Global public institutions	-Food supply: scale up of smallholder farmers into PFP procedures (to be competitive against large food traders). Planning and preparing of procurement requirements bearing in mind the local capacity and
Hajnalka P.,	EU		Policymakers	characteristics. Advantages for smallholders: preferential treatment, on-time payments, access to tender information. -Training smallholder farmers to tender. -Investment in business capacity for smallholder farmer. -Holistic approach: avoid silo mentality in the workplace - Governance: Multi-sector, multi-level structures with an integral approach to the food system.
et al. [51]	Policy guidance			
	2019	T	Health care services	 -Lead by example in vending machines. -Communication/awareness: healthy options, recycling, sustainability culture in vending.
Hernández- Olivan, P [59]	Belgium	To provide guidelines for healthcare organisations to	procurement authority	-Trustful relationship: engage with suppliersInvestment: energy efficient equipment.
	Factsheet	procure healthier and sustainable vending services		 -Food service: with waste strategy. -Food supply: organic and fair trade products. Drinking water freely available - Peer-to-peer: share knowledge.

Hernández- Olivan, P [50]	2018	Facilitate recommendations for Sustainable Food Procurement (SFP) strategy	Health care services	 -Governance: multidisciplinary, multilevel group to develop and evaluate the SFP and food waste strategy. -Food supply: local, fresh, organic, seasonal. -Food service: as an educative tool.
	Belgium		Policy makers, Hospitals' Sustainable procurement management team	 -Food service that avoids food waste: ordering, portion size, assistance to eat, creative menu, flexible food ordering system, creative use of leftovers -Training and awareness for health professionals on healthy,
	Factsheet			sustainable food and food waste. -Peer-to-peer learning and networks to leverage the purchasing power. -Communication for networking (between local producers, staff). -Marketing, celebrate successes. -Evaluation of SFP strategy: surveys, food waste control
	2008		Health care services.	 -Evaluation: research and planning. -Communication and marketing of activities. Publicity to attract suppliers. -Managerial leadership. -Process approach, with a range of stakeholders in the planning.
HCWH Europe [49]	Consolo Domestalia 1	Policymakers, Hospitals' Sustainable	 -Governance: multi-disciplinary. Use tenders/contracts to define the sustainability criteria. Split contracts into lots. -Food service: short supply chains improve quality of menus. -Food supply: make a strong network of local and organic suppliers and cooperatives. -Training small producers on public-sector procurement. 	
	Factsheet		procurement management team.	 -Trustful relationship with suppliers. -Investments: training and infrastructure. -External third party partner to help in process development and evaluation. Partnerships to create economies of scale and avoid waste.

Barling D. et al. [52]	2013	To explore the changes happening in public food procurement through inspiring cases of various European cities (Malmö, East Earshyre, Copenhagen, Vienna)	Hospitals and schools	 -Managerial leadership - Commitment of key actors. Political will to change. -Process approach. Setting clear goals and dates. Adopting an incremental approach. - Governance: inclusive, open to discussion. Engage civil society. - Contracts with Life-Cycle evaluation approach. - Evaluation (monitor targets). Food waste. Economic control. - External certification.
	UK		Procurement decision-makers, health professionals, policymakers	
	Project report			 - Training to commit to change towards SFP. Inspire commitment and ensure skills - Investment. SME infrastructure for competitiveness (support ability for distribution and tendering). - Food supply: local capacity to match demand. - Food service: on site facilities. New menus. - Awareness: Community engagement.
	2006	To summarise the key factors in sustainable procurement practice.	Public Food procurement sector	 -Investment: kitchen, Cooperative ventures. -Holistic approach: SFP strategy multiplier effect. - Trustful relations through proactivity. Fair treatment of suppliers,
	UK			mainly in payment terms. Grow confidence. - Food supply: match the needs to local capacity. Local suppliers more
Michaels, S. [57]	Project report		Purchasing decision-makers	responsive. Proactive buying organisations to seek out local producers. - Governance: facilitate small producers' information and access to tender (i.e. split contracts into lots, match supply needs to local capacity, contract based on MEAT). - Food service: local, seasonal, nutritious menus. - Awareness: on sustainable food and healthy eating. - Training: motivation and skilling up staff, producers. - Evaluation and monitoring by a third party. - External leadership: NGOs.

Boyano, A., <i>et</i> <i>al</i> . [61]	2019	To summarize the revision process of the Green Public Procurement (GPP) criteria for Food procurement and catering services.	Health care services.	 Governance: in EU GPP is a voluntary instrument. Food supply: contract specifications to seek a SFPS. Food service: food, catering, vending machines. Training on GPP procedures for suppliers and staff. Support small suppliers to fulfil the criteria and verifications for the GPP procedure to be successful. GPP criteria for food: organic products labelling; Marine
	Luxembourg		Procurement decision-makers, health professionals, policy makers	Conservation Society (MCS) red list; seasonal products labelling; fair and ethical trade products in accordance with the ILO; environmentally responsible vegetable fats; geographical indications. - GPP criteria for catering services: verify competences and experience of the company; EU GPP criteria for food; plant-based menus; food and general waste strategy; chemical products with EU Ecolabel; SOP for kitchen equipment; staff training. - GPP criteria for vending machines: organic food and Fair Trade products; environmentally responsible vegetable fats; smart controls; annual energy consumption; GWP of refrigerants; reusable cups; contract performance (acquire new vending machines). - Evaluation of procedures.
	Technical report			
	2016	To offer evidence-based proposals for good practice on how to deliver sustainable and healthy food in hospitals.	Healthcare institutions	 -Food supply: invest time and resources to identify suppliers. -Investment: equipment, personnel and products. -Evaluation: monitoring and satisfaction surveys. Economic control to adjust budget.
Health Care	Italy		Responsible roles for sustainable and healthy practice.	-Food service: local, seasonal and organic. Healthy vending. Less meat. Food waste plan.
Without Harm [26]	Project report			

Jochelson K., et al. [58]	2005	To identify opportunities for managing food procurement sustainably and promoting healthy eating in acute hospitals.	Hospitals	 Food supply: policies based on sustainability. Holistic approach to food policy. Training suppliers and staff. "Health for profit" vs. "leading by example". Leadership and commitment. Trustful relations between institution and suppliers. Advice on tendering process. Relax the tendering process for smallholder
	UK		Procurement management, hospital staff, as well as policy makers	producers. A fairer process. -Communication on SFP strategy to all users. Advertise upcoming contracts. -Food service: develop patient menus using local and seasonal ingredients, buy organic beef. Develop healthier vending machines. Food ordering system to avoid food waste. -Evaluation of economic costs. -External party input in food strategy development, with expertise in local food chains and public procurement. -Peer-to-peer training. Exploit and develop the expertise of regional procurement groups. - Certifications and assurance schemes. Enable the inclusion of food products with assurance schemes promoting sustainable agriculture.
	Project report			
	2005	To evaluate obstacles and to identify opportunities for a sustainable approach in public sector's food procurement and catering services.	Public institutions	-Evaluation: monitor progress, cost analysis and budget strategyLong term commitment
Rimmington M. & Carlton Smith J [60]	UK		Food procurement managers and policymakers	 -Awareness of the rise of SFP demand and culture. -Investment in training and in equipment. -Trustful relation: map local producers. -Training: skill up of SFP -Food supply: policy for SFP that relaxes procedures for SME and food producers (i.e. Tendering, contracts, food safety certifications). - Holistic approach on policies, action plans and targets.
	Technical report			

Cioci G., et al. [28]	2016	To highlight the common challenges in implementing healthy and sustainable food policies in European hospitals, and to provide good examples to encourage others.	Healthcare institutions	-Awareness: hospital food as an educative toolHolistic approach: key for SFP successGovernance: clear objectives and targets. Develop a food waste
	Belgium			strategy. Working group establishment. -Food service: menu variations. SFP stimulates appetite and recovery. Tap water is encouraged. -Training on food waste and food safety (traceablility). Geographical
	Technical report		Procurement management staff, healthcare professionals, policymakers.	Indicator labelling useful for traceability and quality of products. -Food supply: on-site kitchens guarantee control over menu and food quality. Continuous provision is difficult for small producers. -Evaluation: budget control. -Trustful relation: close partnership between supplier and hospital for best ingredients.
European Union [32]	2014	To set out the criteria for Public Procurement to be followed by all the member states	Public Institution	-Food Supply Governance: adapt EU policy to introduce SMEsHolistic approach: contract performance with various dimensionsTrustful relation and training: assure that SMEs know requirements (i.e. certifications) and bureaucratic steps.
	European Union		Policy makers and National Governments	 Must comply with the <i>Treaty on the Functioning of the EU</i>. Art. 5: Lot values of less than €80 000 are not subject to the provisions of the Directive. The sum value of lots shall not exceed 20% of the total. Art. 18: equal treatment. Art. 46: contracting authorities encouraged to break contracts into lots. Art. 57 to 64 criteria for qualitative selection. Quality assurance and environmental management standards certified by accredited bodies. Art. 67: contract award → MEAT (not compulsory) or price/cost only. Art. 68: life-cycle costing (<i>indicate method used</i>) covers: (a) costs, borne by the contracting authority; (b) costs of environmental externalities. Art. 70: contract performance may include economic, innovation-related, environmental, social or employment-related considerations.
	Directive Legislative act 2014/24/EU			