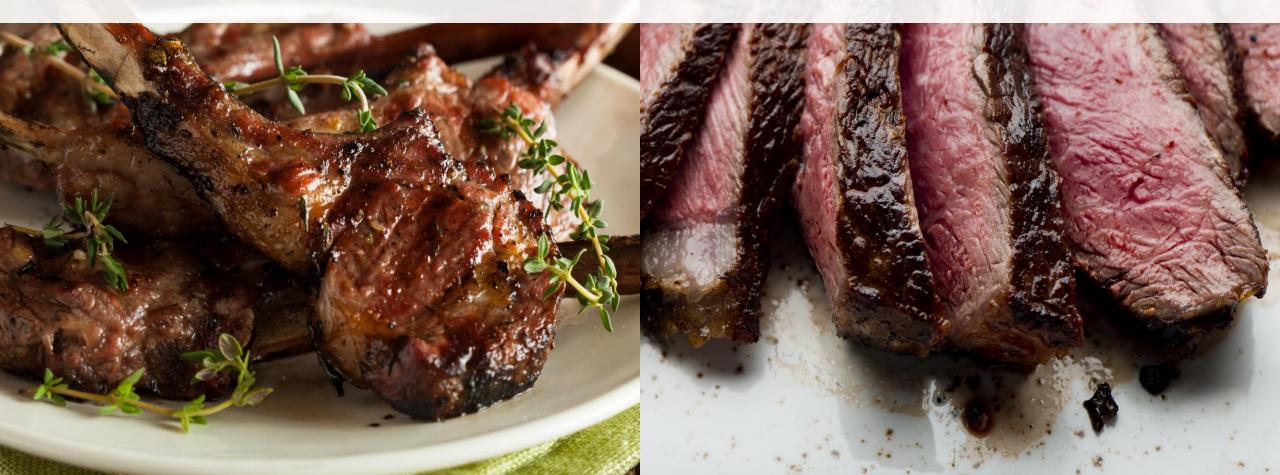
Lamb and Grass Fed Beef Menuing Trends

identifying challenges, targeting opportunities, and understanding behavior







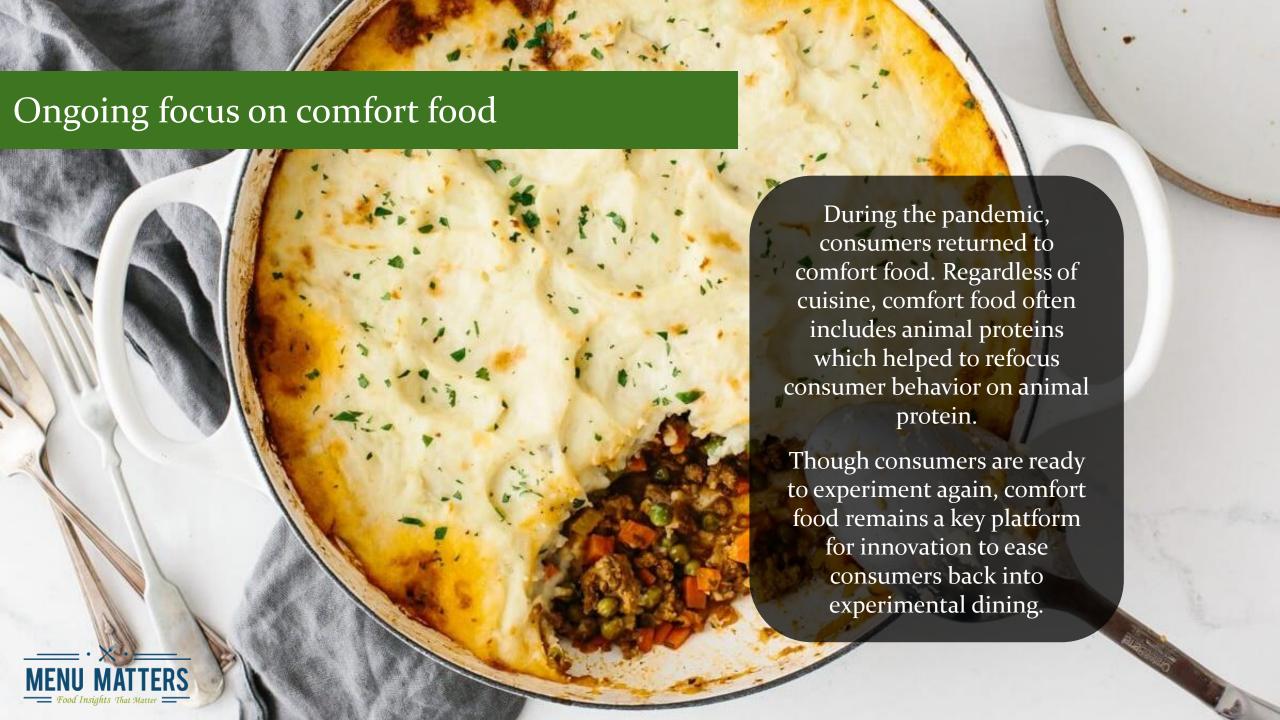
Key Takeaways - Lamb

- The pandemic had a negative impact on lamb menuing, with penetration declining across the board but particularly among fine dining operators.
- Despite these pandemic-driven declines, the expectation is that lamb will begin to grow as the industry recovers.
- Lamb incidence or share of items featuring actually increased despite penetration changes suggesting that while fewer operators menuing lamb those that kept it on the menu used it across a wider array of items.
- Lamb continues to be a largely entrée-focused protein, with Mediterranean and South/ Central American flavors increasingly impacting menuing.
- The despite menuing declines, Australian identified lamb enjoyed significant growth on the menues while Colorado lamb declined significantly.





















Consumer focus on reducing meat consumption

animal protein, with 33% planning to reduce red meat specifically.



Sixty-three percent (63%) of consumers indicate in recent research that they plan to eliminate at least one type of

Though this percentage is relatively small, it could ultimately slow or reverse red meat consumption and may result in fundamental changes in consumer preferences longterm.









Pressures on profit margins and menu price inflation



to a 120% increase ving prices the past year. Wing prices will be

As traffic continues to be variable and unpredictable, increasing labor costs, supply chain disruptions challenges menuing, and price fluctuations become more extreme, operators will face unprecedented pressures on profit margins. Animal protein-focused items are unlikely to be high profit margin items.

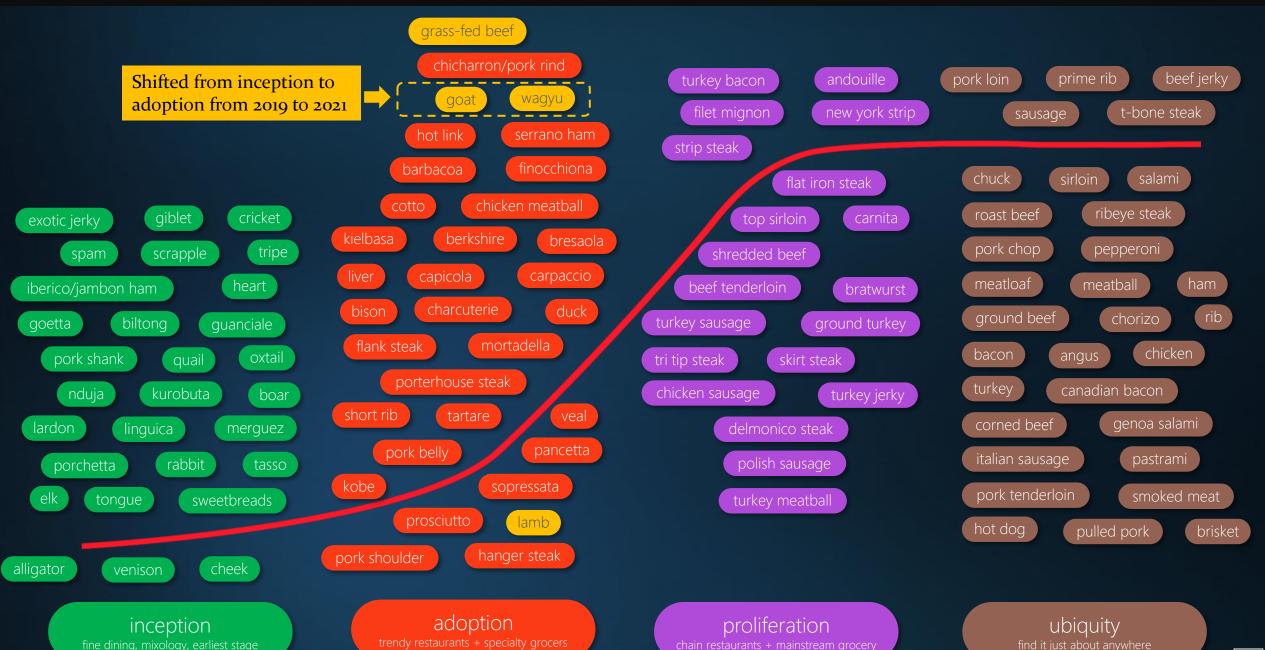
Though operators are increasing their prices, this may help profit margins but could impact consumer ordering decisions with many trading down to less expensive options.

We hop

adju











MENUS SHRANK BY 10.2% DURING COVID.

	Grew	Shrank	No Change
2008	61.5%	25.2%	13.3%
2009	22.8%	43.9%	33.3%
2010	37.3%	35.9%	26.7%
2011	32.8%	42.2%	25.0%
2012	38.9%	34.6%	26.5%
2013	42.0%	46.5%	11.5%
2014	50.9%	36.4%	12.6%
2015	54.3%	32.2%	13.5%
2016	40.6%	45.6%	13.7%
2017	51.6%	34.2%	14.2%
2018	49.1%	38.1%	12.7%
2019	46.8%	40.7%	12.4%
2020	50.4%	36.9%	12.7%
2021	32.5%	59.7%	7.8%

financial crisis

% OF MENUS THAT GREW / SHRANK VS. THE PRIOR YEAR

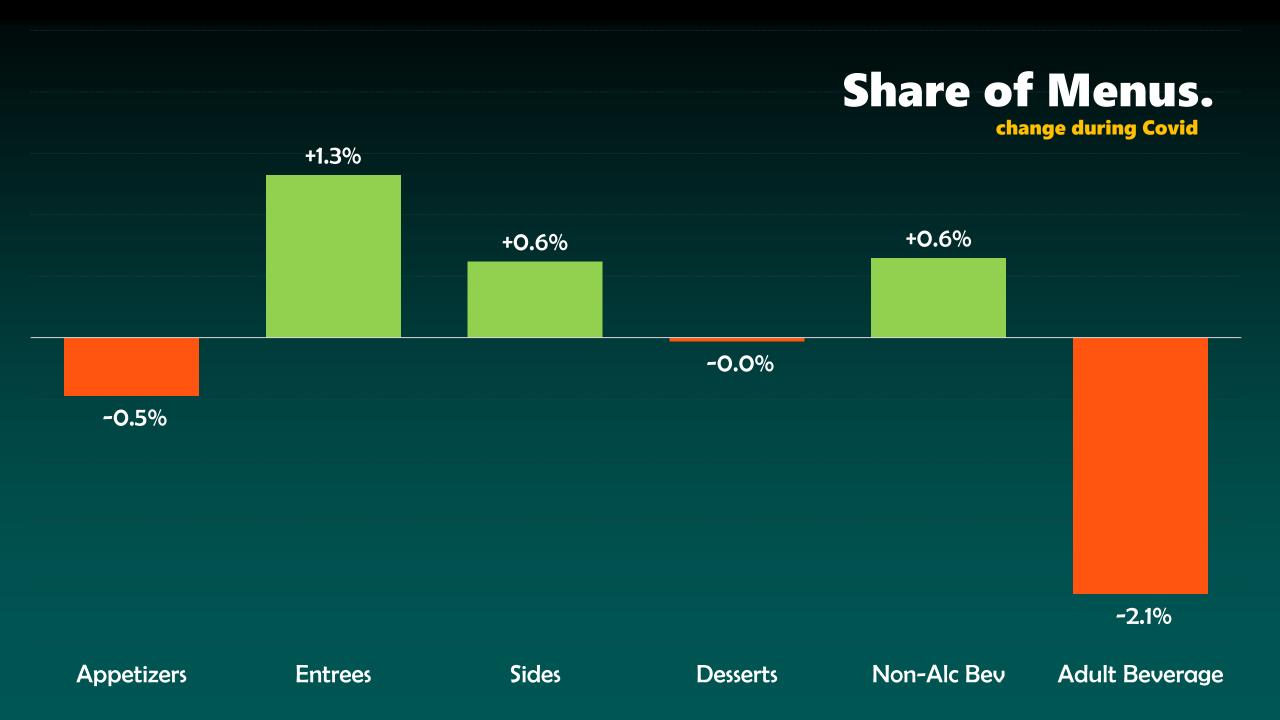
— pandemic

#OF ITEMS PER MENU

	2020	2021	Change
Appetizer	21.2	18.2	-14.3%
Entrée	75.7	70.4	-6.9 %
Side	20.8	19.8	-4.7 %
Dessert	9.6	8.6	-10.8 %
Non-Alc Bev	20.5	19.6	-4.3 %
Adult Bev	59.2	49.3	-16.7%

MENU INCIDENCE CHANGE DURING COVID

	Appetizers	Entrees	Sides	Dessert	Non-Alc Beverage	Adult Beverage
Quick Service	-6.3%	-2.7%	+0.5%	-2.5%	+1.1%	-11.0%
Fast Casual	-10.9%	-3.2%	-3.4%	-12.5%	-6.1%	-11.3%
Midscale	-5.4%	-3.8%	-4.4%	-12.6 %	-3.1%	-12.4%
Casual	-17.0%	-9.8%	-6.9%	-15.2%	-7.1 %	-15.3%
Fine Dining	-29.0%	-23.3%	-22.7%	-23.6%	-18.7%	-18.7%





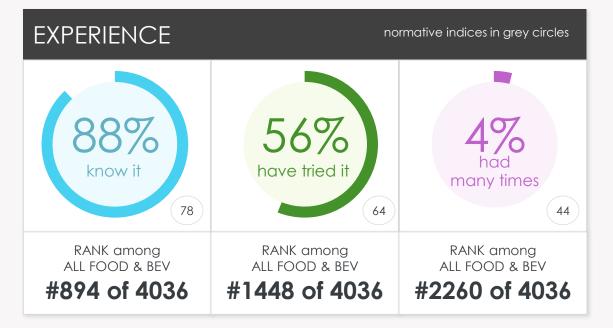


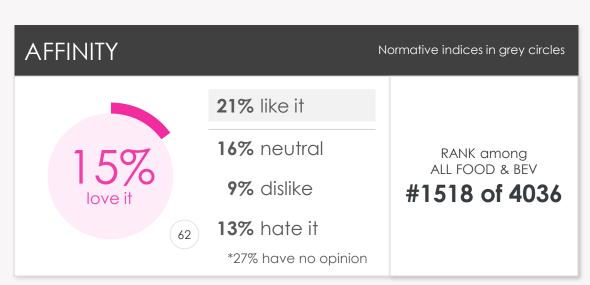
	2020	2021
Gainers	55.5%	17.5%
Decliners	44.5%	82.5%
NET	+11.0%	-65.0 %

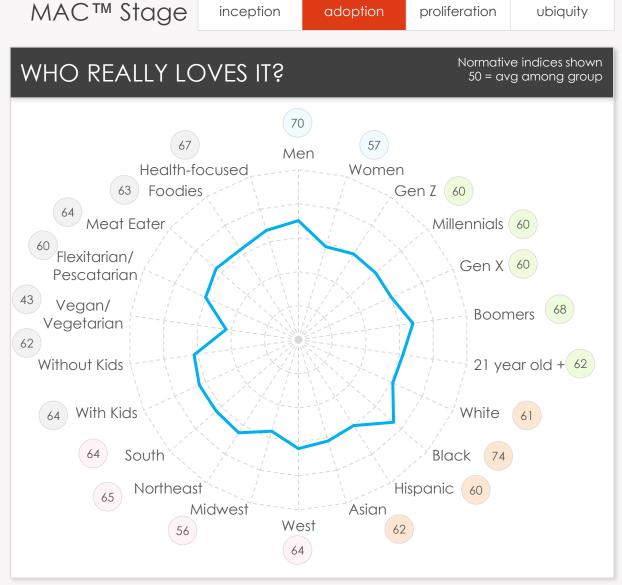
NET GAIN in what's trending on menus NET DECLINE in what's trending on menus



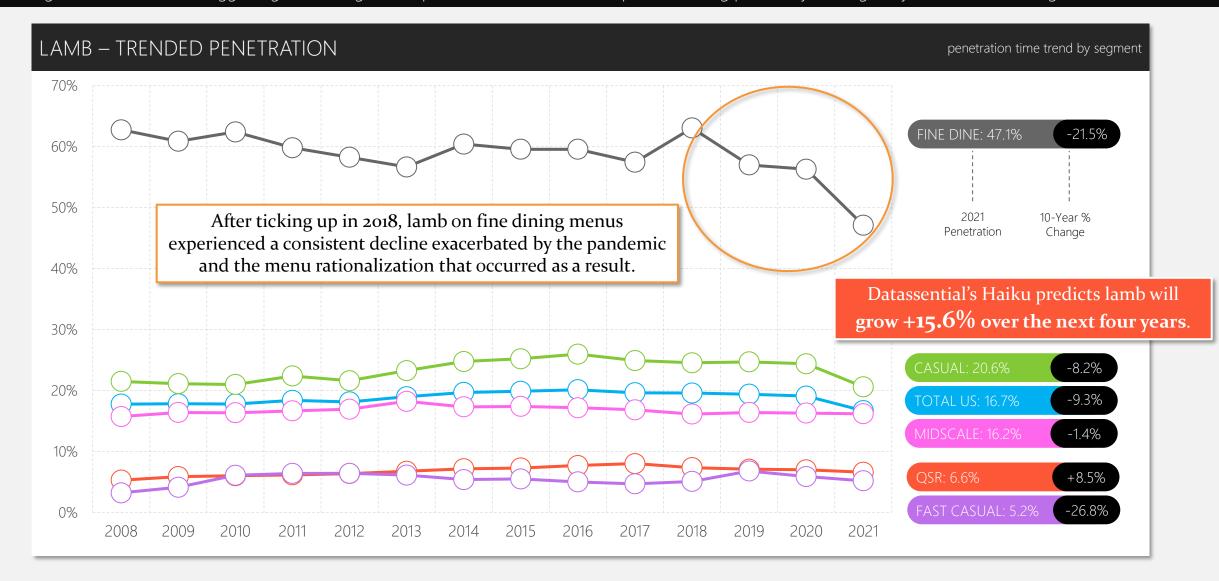
LAMB



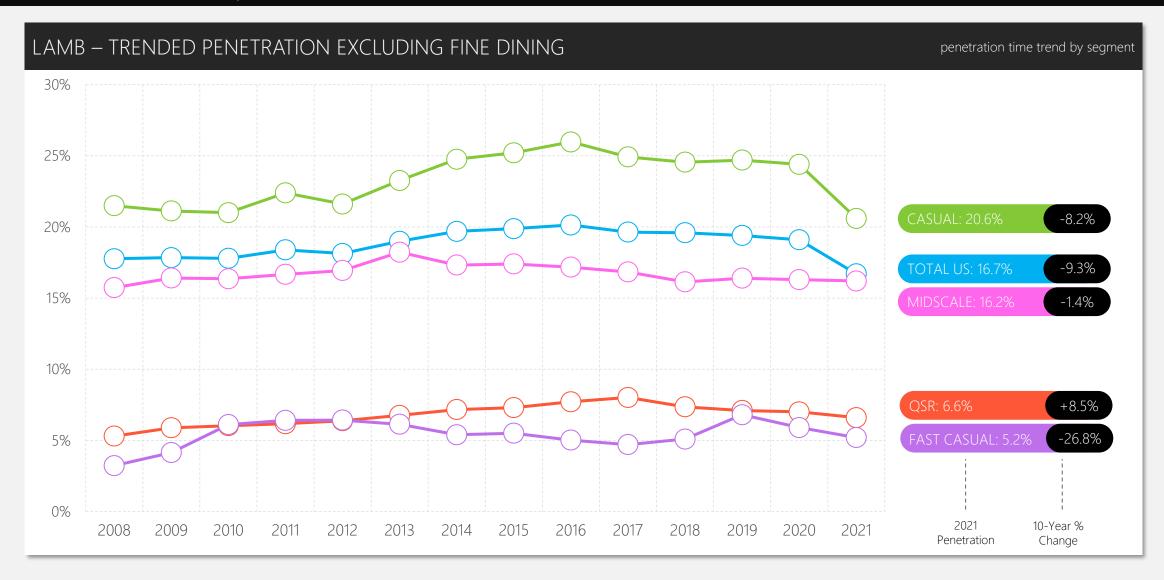




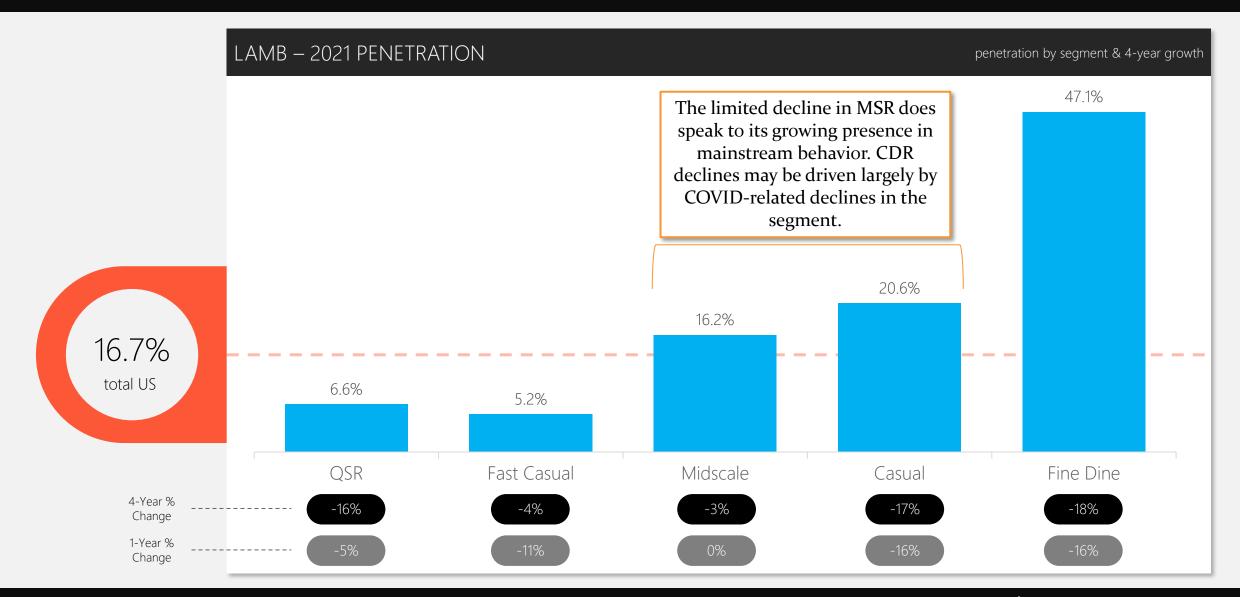
As with so many other ingredients, lamb suffered during the pandemic as menu rationalization resulted in declines across the board. While lamb lost ground overall and within fine dining, it maintained its penetration within midscale and fast casual segments and lost minimal ground in fast casual, suggesting lamb has gained a position in mass market despite fine dining potentially moving away from it to some degree.



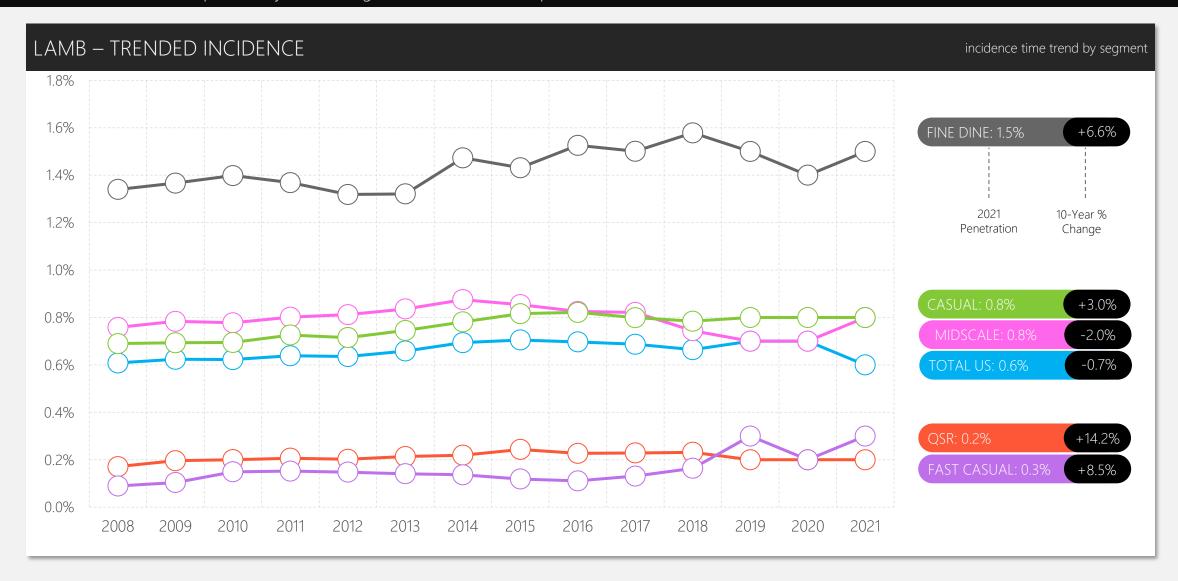
Focusing only on the largest segments highlights the declines experienced just within the past year as a result of pandemic-related issues. Fast casual, always volatile as a segment, has been declining for a few years as has to a very limited degree QSRs but lamb has been stable at CDRs and MSRs until the pandemic.



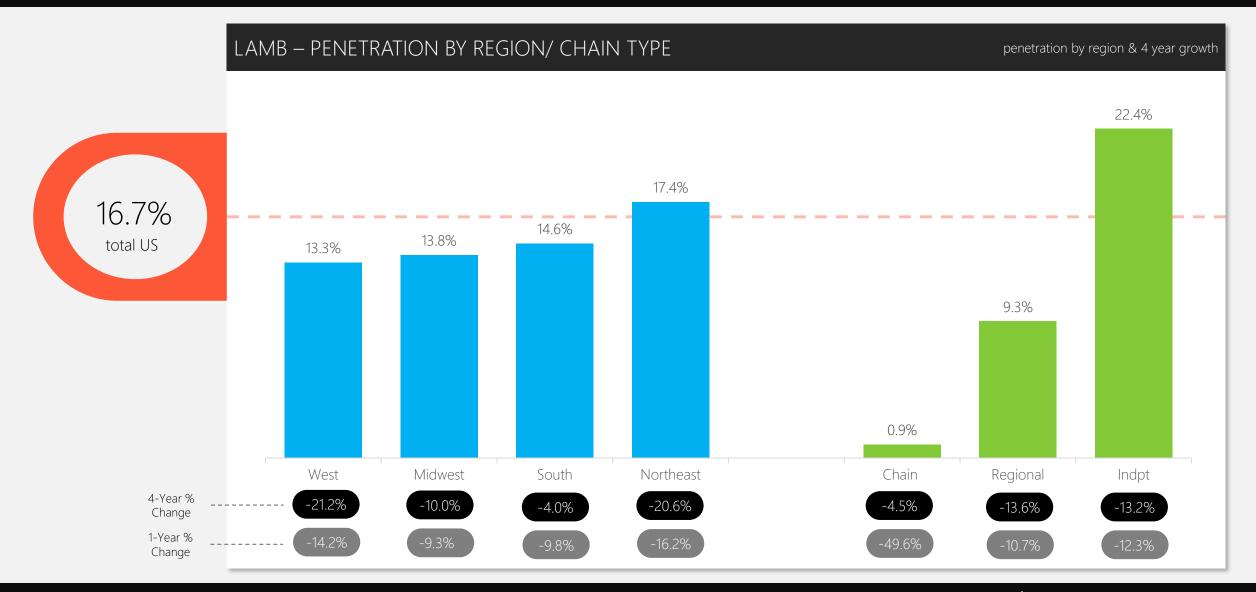
For several segments, the bulk of lamb penetration declines occurred within the past year.



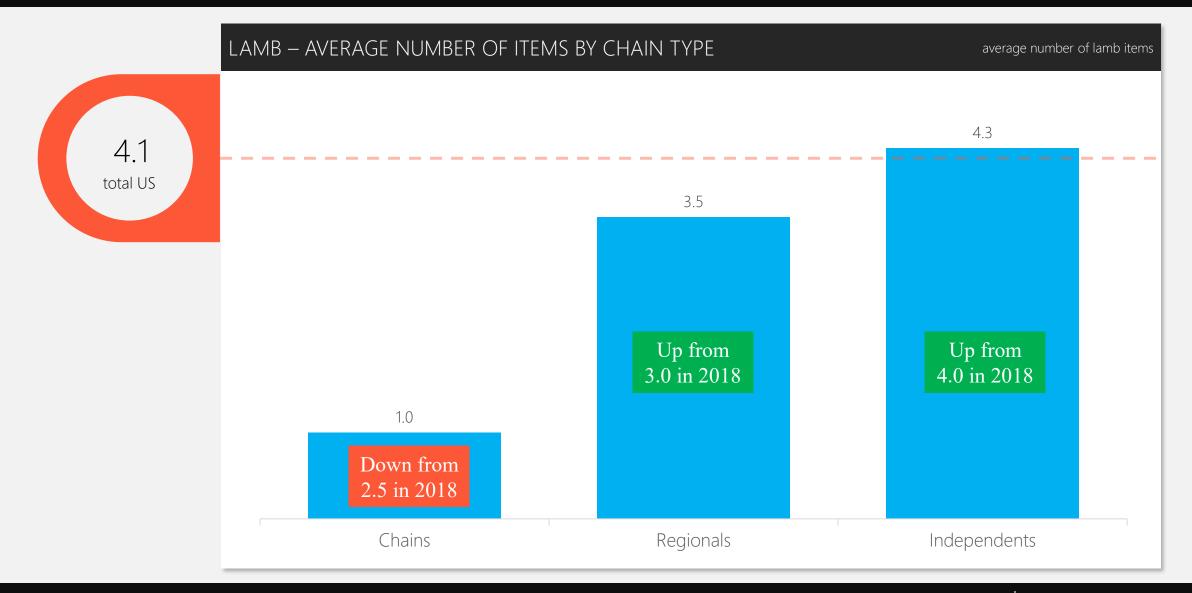
Despite declines in penetration, incidence of lamb – or the share of items featuring lamb – has remained relatively unchanged. While some operators removed lamb from the menu entirely (decline in penetration), those that kept lamb on the menu did not decrease its breadth of use. This is particularly true among QSRs and fast casual operators.



The pandemic dealt lamb a setback in every region and every operation size, most notably national account chains. Prior to the pandemic, lamb penetration by these cuts had remained stable.

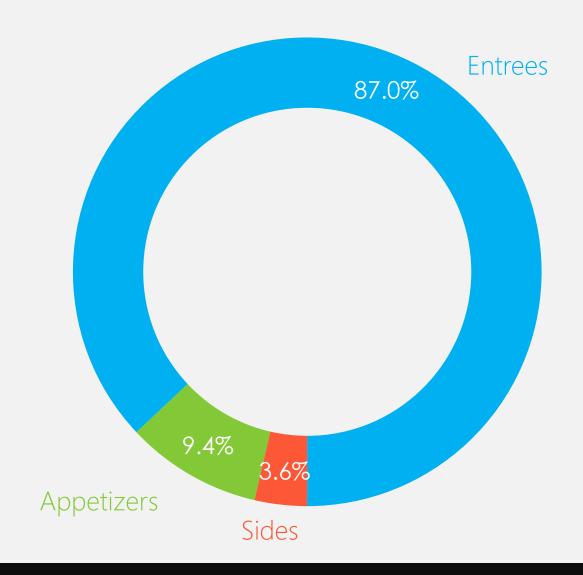


Despite declines in penetration among regional chains and independents, the breadth of lamb menuing ticked up in 2021 among those menuing.



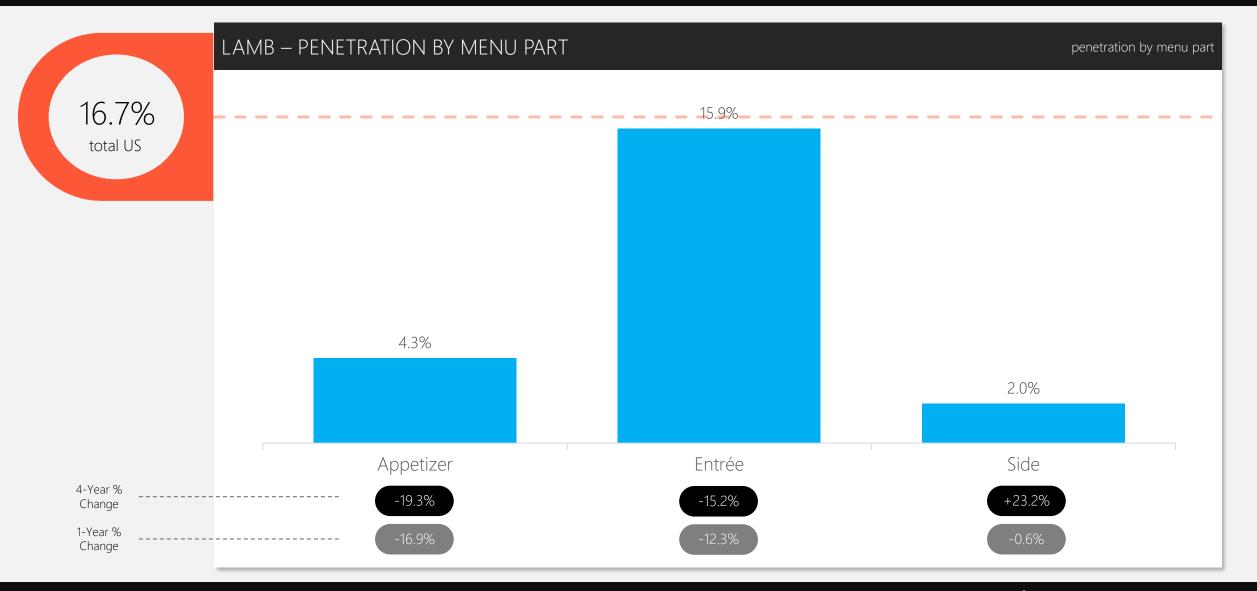
LAMB MENUING BY MENU PARTS

incidence distribution by menu part

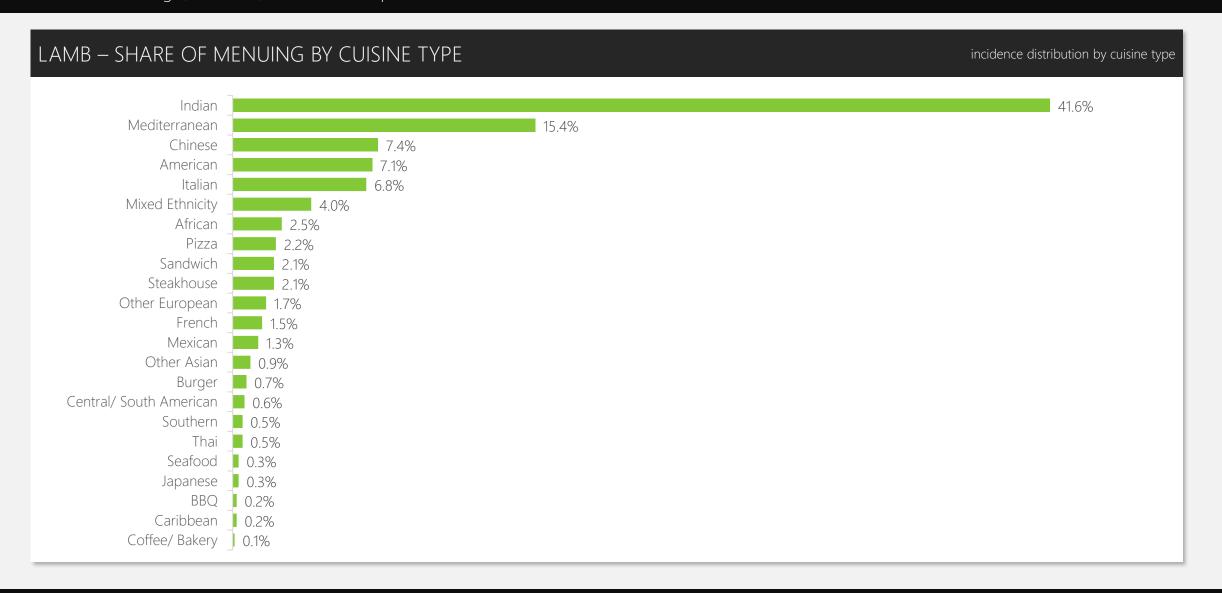


Lamb appears most often in entrées on menus, a situation that has remained unchanged for several years though there has been a slight increase in the number of sides featuring lamb.

While the penetration of lamb within appetizers and entrées declined, again largely due to pandemic issues, penetration within sides has grown over the past four years.



Indian continues to dominate menuing of lamb, followed by Mediterranean. American and Mixed Ethnicity, which account for the largest share of units within commercial foodservice, accounts for 7.1% and 4.0%, respectively. Greater inroads for lamb menuing would be achieved by continuing to grow incidence across burger, Southern, and sandwich operations.

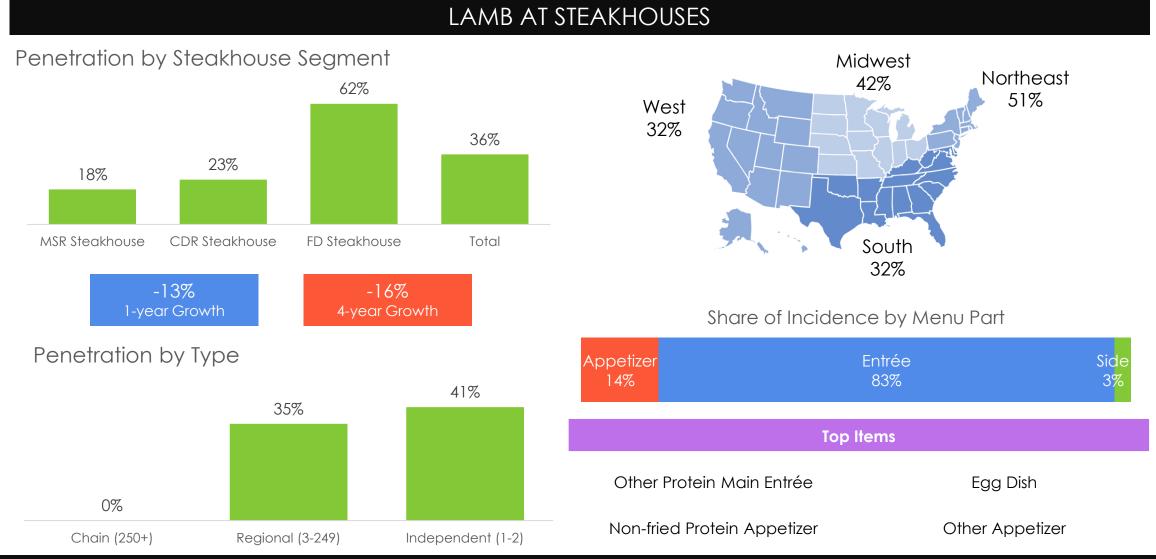


Though declines were experienced in most sectors and cuisine types in the industry, there were some areas of growth but primarily within non-American cuisines.

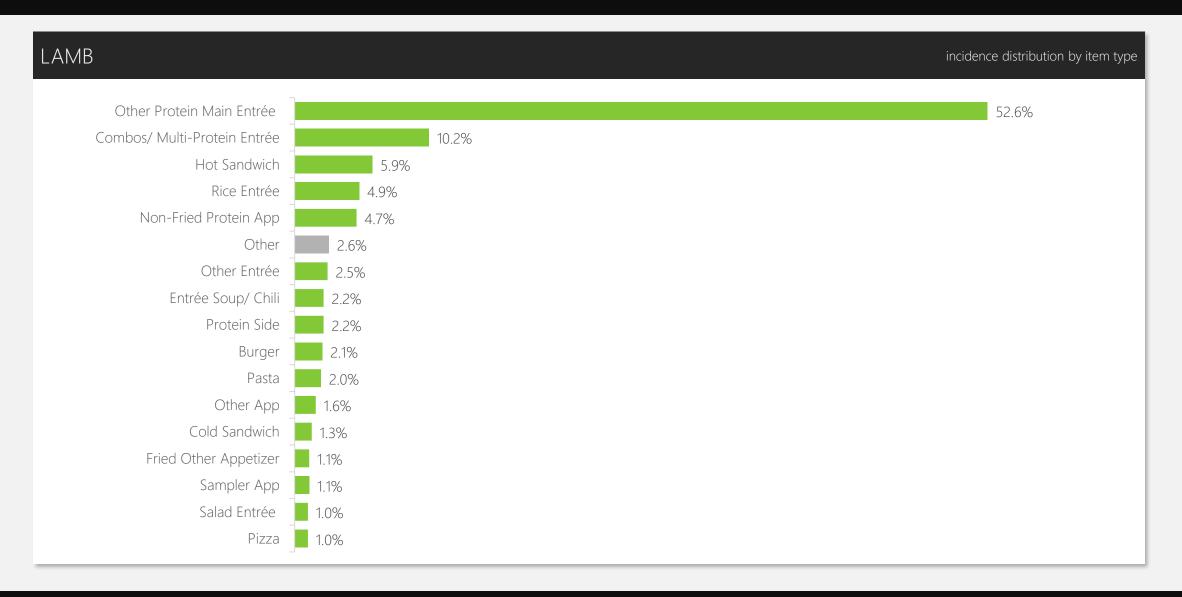
LAMB PENETRATION BY CUISINE TYPE TRENDED ranked by penetration

Cuisine	2021 Penetration %	1 Year Growth	4 Year Growth
Indian	93.8%	-2.1%	-2.1%
Mediterranean	75.8%	-5.0%	-0.5%
Other European	52.3%	+18.3%	+18.3%
French	47.1%	-18.9%	-20.0%
Mixed Ethnicity	35.2%	-19.0%	-19.8%
Steakhouse	35.1%	-15.0%	-18.5%
ltalian	29.4%	-7.5%	+3.7%
Chinese	22.8%	+3.6%	-4.5%
Central/ South American	22.2%	-11.1%	+11.1%
Caribbean	15.6%	-16.7%	-28.6%
American	13.3%	-23.8%	-30.3%
Other Asian	9.9%	+17.0%	+1.9%
Thai	9.6%	-10.0%	-29.3%
Sandwich	9.2%	-6.2%	-13.5%
Southern	7.1%	-33.9%	-40.3%
Mexican	6.9%	-22.3%	-16.0%
Burger	6.6%	-30.6%	-41.3%
Pizza	6.2%	-13.7%	-30.2%
Seafood	6.2%	-31.8%	-38.9%
Japanese	5.7%	-46.2%	-29.4%
Korean	4.0%	-8.0%	-12.0%
BBQ	1.9%	-49.7%	56.3%
Coffee/ Bakery	1.5%	-54.5%	-76.1%

Though there were declines across all types of steakhouse operators, the relative availability of lamb by chain type, region and segment remained unchanged.



Lamb continues to be, primarily, an entrée ingredient and featured as a center of plate entrée protein in over 50% of dishes featuring lamb.



As with cuisine penetration, the penetration of lamb did increase within certain item categories – primarily within several entrée categories where lamb is most prevalent. It's important to note that even though penetration not only within lamb but across the vast majority of ingredients declined over the past year, lamb penetration did increase over the last year in several item categories show operators are still experimenting with the protein.

> LAMB PENETRATION BY ITEM TYPE TRENDED ranked by penetration

Word	2021 Penetration %		
Other Protein Main Entree	43.4%	+0.2%	+2.0%
Rice Entree	6.2%	+3.1%	+0.3%
Non-Fried Protein App	4.8%	-17.1%	-13.8%
Combos/ Multi Protein	4.8%	-11.0%	-15.7%
Hot Sandwich	4.3%	-15.8%	-14.5%
Other Entree	2.7%	+1.2%	-23.4%
Entree Stew / Soup / Chili	2.3%	-8.3%	+17.7%
Burger	2.2%	-25.7%	-29.9%
Pasta	1.8%	-20.5%	-18.0%
Sampler	1.8%	+21.3%	+30.4%
Fried Other App	1.7%	-4.2%	-11.3%
Protein Side	1.7%	+4.4%	+36.4%
Other App	1.5%	-18.1%	-15.8%
Cold Sandwich	1.4%	+17.4%	+42.0%
Pizza	1.4%	-14.8%	-7.5%
Bread Side	1.2%	0.0%	-20.6%

Indian cuisine continues to inform the most common lamb dishes, which is expected given its prevalence within that cuisine. Lamb, however, is being featured in a variety of non-Indian dishes from Mediterranean (skewers, gyros) and other applications such as meatballs (often appetizers) and burgers.

TOP LAMB ranked by penetration						
DISHES		PREP METHODS		INGREDIENTS		
Lamb Chop	26.8%	Grilled	29.5%	Onion	39.7%	
Salad	20.8%	Roasted	22.2%	Tomato	33.6%	
Kabob	15.8%	Marinated	19.6%	Potato	27.2%	
Gyro	13.5%	Cooked	14.5%	Garlic	23.3%	
Curry	13.5%	Sauteed	12.2%	Rice	22.1%	
Sandwich	13.3%	Braised	11.8%	Pepper	19.7%	
Lamb Shank	11.5%	Spiced	10.8%	Spinach	17.0%	
Skewer	9.9%	Stuffed	9.7%	Cheese	15.5%	
Vindaloo	9.3%	Seasoned	9.6%	Bread	15.3%	
Biryani	8.8%	Baked	8.9%	Pita	15.1%	
Saag	7.8%	Fried	8.4%	Tzatziki	12.7%	
Sausage	7.4%	Minced	6.5%	Yogurt	12.0%	
Meatball	7.3%	Glazed	5.8%	Mint	12.0%	
Korma	7.2%	Smoked	5.8%	Mushroom	11.7%	
Burger	6.9%	Wrapped	5.1%	Ginger	11.0%	

Though growing lamb dishes do reflect Indian cuisine, operators are applying lamb to a wider variety of applications. Growing ingredients particularly speak to a wider influence beyond Indian.

GROWING LAMB ranked by 4-year penetration growth					
DISHES	DISHES PREP METHODS		Ingredients		
Tagine	+193%	Infused	+64%	Sour Cream	+486%
Bowl	+113%	Rubbed	+49%	Phyllo	+408%
Falafel	+95%	Glazed	+45%	Yukon Gold Potatoes	+281%
Wrap	+89%	Wrapped	+41%	Grilled Vegetables	+252%
Lamb Shawarma	+56%	Slow Braised	+37%	Baby Spinach	+205%
Shahi Korma	+52%	Oven Roasted	+32%	Kalamata Olive	+154%
Madras	+48%	Cubed	+39%	Red Chile Pepper	+134%
Shepherd's Pie	+43%	Boiled	+28%	Turmeric	+120%
Makhani	+43%	Karahi	+17%	Sumac	+101%
Meatball	+26%	Charcoal	+17%	Pico de Gallo	+91%
Kofta	+22%	Fried	+16%	Pickled Onion	+80%
Keftedes	+21%	Spiced	+13%	Cabbage	+70%
Biryani	+21%	Clay Oven	+13%	Grilled Asparagus	+67%
Gyro	+21%	Simmered	+13%	Roasted Potato	+64%
Lamb Tikka	+17%	Stir Fried	+13%	Tortilla	+62%

Though Mediterranean flavors continue to play a large role in lamb dishes, Asian flavors and more traditional European sauces are growing.

> TOP FLAVORS, SAUCES, & SPICES PAIRED WITH LAMB ranked by penetration

Word	2021 Penetration %	1 Year Growth	4 Year Growth
Garlic	23.3%	+3%	-4%
Spice	19.0%	+21%	+26%
Spicy	17.7%	+12%	+16%
Herb	17.7%	-2%	+2%
Curry	13.5%	+18%	+6%
Tzatziki	12.7%	+13%	+29%
Mint	12.0%	-18%	-13%
Ginger	11.0%	+9%	+15%
Spiced	10.8%	+1%	+13%
Lemon	9.6%	-6%	-19%
Red Sauce	8.7%	+5%	+5%
Cilantro	7.9%	+4%	+1%
Coconut	7.2%	+9%	+21%
Cumin	7.2%	+10%	+17%
Rosemary	7.1%		-16%
Cream Sauce	6.3%	+6%	+7%
Tomato Sauce	6.3%	+10%	
Saffron	6.2%	+22%	+13%
Butter	6.2%	-5%	-8%
Mustard	6.0%	+25%	-3%

Latin and Asian flavors are informing a good deal of the more recent innovation in lamb menuing.

TRENDING FLAVORS,
SAUCES, & SPICES PAIRED
WITH LAMB
ranked by 4-year growth

Word	2021 Penetration %	1 Year Growth	4 Year Growth
Turmeric	1.9%	+71%	+120%
Sumac	1.5%	+37%	+101%
Pico de Gallo	1.6%	-7%	+91%
Kashmiri Curry	2.4%	+45%	+71%
Mughlai	1.2%	+27%	+67%
Coconut Curry	1.4%	+5%	+61%
Chive	1.4%	-3%	+61%
Gremolata	1.4%	-21%	+61%
Tahini	3.7%	+14%	+60%
Madras Curry	3.6%	+10%	+48%
Port Wine	1.2%	+27%	+47%
Dill	3.2%	-7%	+45%
Makhani	1.4%	+5%	+43%
Hummus	5.1%	+2%	+41%
Pecan	1.6%	+6%	+39%
Vinegar	4.2%	+2%	+37%
Spirits	2.6%	-4%	+37%
Leek	1.9%	+22%	+35%
Cashew	4.8%	+6%	+34%
Lime	2.6%	+14%	+30
Honey	4.2%		+29%

LAMB

Restaurant	ltem	Description
Butcher & Bee	Braised Lamb Shank	roasted vegetables, fruit and nut relish, lamb and pomegranate jus.
Chi Spacca	Spiced Lamb Ribs	tzatziki, armenian spice blend.
Grill On The Alley	Double-Cut Dixon Valley Lamb Chops	mint gastrique, grilled broccoli
Layla's Market	Chicken And Lamb Kifta Sandwich	seasoned ground chicken and lamb, with minced onion and parsley. served on a pita with lettuce, tomato, cucumbers and tzatziki.
Lebanese Taverna Restaurant	Lamb Shawarma Sandwich	lamb shawarma roasted on vertical rotisserie and hand-carved with tomatoes, pickled onions, tahini sauce and your choice of salad, fries or rice.
Paesano's Restaurant	Agnello Osso Buco	braised lamb shank, with goat cheese polenta.
Springhouse	Braised Lamb Shank	quinoa, turnip, apricot, date jus, dukkah.
Sultan's Market	Baked Meat Pie	minced beef and lamb mixed with fresh herbs, tomatoes and spices folded into dough.
Taverna Opa	Slow Roasted Lamb Board	slow-roasted lamb, pita, lettuce, chopped tomato, onion, tzatziki and opa fries
That's Amore	Lamb Chops	rosemary-garlic butter.
Tripoli Restaurant	Wara'anib	grape leaves stuffed with ground lamb and rice.
Wolfnights	Dire Wolf Wrap	fried chicken wrapped in a ginger dough. lamb bacon, melted cheddar, green papaya slaw, spicy pickled shipka peppers, wolf ketchup.

Mar 2021 \$22.49

Longhorn Steakhouse

GRILLED LAMB CHOPS



Back by popular demand! Our lamb is firegrilled to perfection on the bone with roasted tomato garlic-herb sauce, garlic mashed potatoes and wilted spinach.

Unbranded PI: 47% ** SCORE Branded PI: 48% ★★★ Uniqueness: 49% * Frequency: 23% **** Draw: 60% specialty appeal Value: 38% ★★★

Jan 2021 \$28.29

Carrabba's

TUSCAN-GRILLED LAMB CHOPS



Wood-grilled lamb chops prepared with our signature grill baste, olive oil and herbs and our mint bourbon demi-glaze. Served with a side of fresh grilled vegetables.

Unbranded PI: 50% ★★★ SCORE Branded PI: 54% Uniqueness: 44% *** Frequency: 22% **** Draw: 58% consider Value: 28% **

Apr 2021

\$13.51

Cosi

GYRO SANDWICH

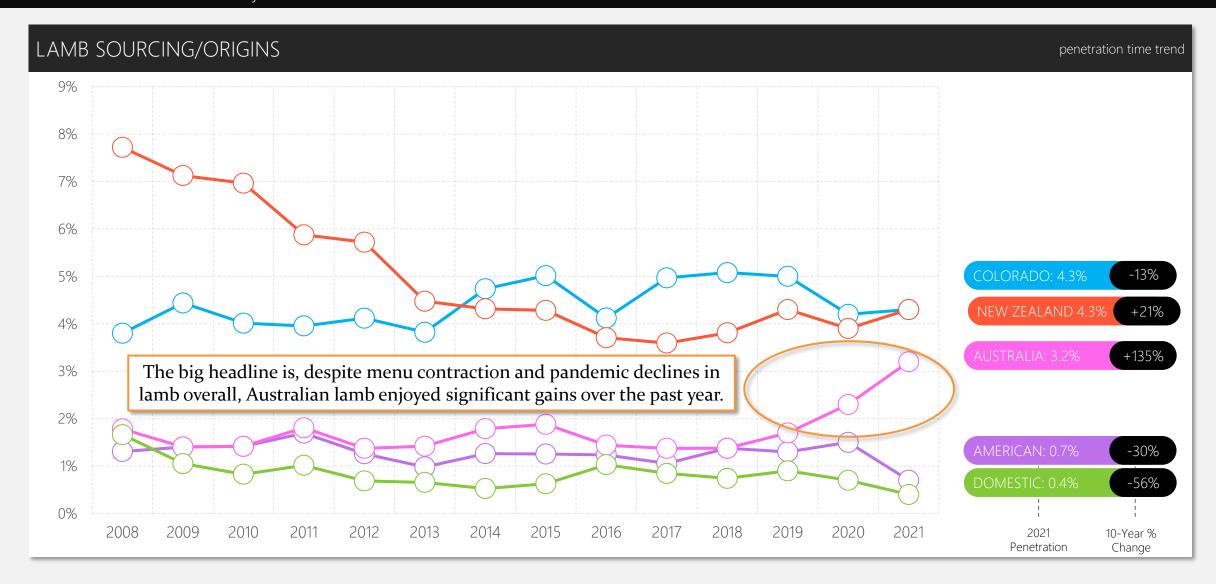


Lamb, feta, cucumber, tomato, red onion, arugula, tzatziki sauce. Comes with choice of side.

Unbranded PI: 51% ★★★ Branded PI: 71% *** Uniqueness: 37% ★★★ Frequency: 21% *** Draw: 48% ***

Value: 28% **

Australian lamb has seen the most significant growth over the past ten years, with much of that growth OCCUrring since 2018. New Zealand has grown somewhat but this is after years of decline. If Australian lamb continues its growth it is set to eclipse New Zealand and Colorado lamb within the next five years.



Restaurant	item	Description	Price	Segment	Cuisine	item Type
Blue Star Brewing Co	Lamb Sliders Burger	2 sliders served with fries. texas lamb sourced from hudspeth river ranch.	-	Casual Dining	American	Burger
Bru Burger Bar	Viking Farms Lamb Burger	cucumber sauce, feta-olive relish, garden.	\$ 12.00	Casual Dining	Burger	Burger
Chez Panisse	Saturday Main Course	grilled elliott ranch lamb rack and loin with flageolet beans, artichokes, spinach, and anchovy-herb butter. serves one.	\$ 34.00	Fine Dining	Mixed Ethnicity	Other Protein Main Entree
La Mediterranee	Lamb Lule	local, grass-fed superior farms halal lamb meatballs, served in a tomato- onion sauce served over rice pilaf.	\$ 18.00	Midscale	Mediterranean	Other Protein Main Entree
Lazy Dog Restaurant & Bar	Lamb Shank Pot Pie	marcho farms lamb shank slow-cooked in housemade garlic and red wine sauce, served open face with mashed potatoes, marinated tomatoes, veggies and a salted-thyme pie crust.	\$ 21.75	Casual Dining	American	Other Entree
Le Rivage	Colorado Lamb Rack Chop	schillers farms.	\$ 42.00	Fine Dining	French	Other Protein Main Entree
Magic Flute Garden Restaurant	Shannon Ranch Spicy Lamb Burger	jalapenos, cilantro, cucumber-yogurt sauce.	\$ 17.00	Casual Dining	Italian	Burger
Novita's Restaurant	Gnocchi Con Stinco D'agnello	gnocchi with slow-braised jamison farm lamb shank.	\$ 29.00	Casual Dining	Italian	Pasta
Odd Duck	Pinn-Oak Ridge Farm Lamb Shawarma	house pita bread, toum, arabic pickle, pickled pepper, and haloumi.	\$ 13.00	Casual Dining	American	Other App
Souvla	Lamb Sandwich	spit-roasted superior farms leg of lamb with harissa-spiked yogurt, cucumber, radish, pickled red onion, and feta cheese wrapped in warm, fluffy pita bread.	\$ 15.00	QSR	Mediterranean	Hot Sandwich
Zingermans Deli	Moroccan Lamb Tagine	incredibly flavorful all-natural, local lamb from hannewald farms, braised in the moroccan-jewish tradition with prunes, allspice and coriander. served with lemon couscous, fresh green salad made with local produce whenever possible, and zingerman's bakehouse bread with michigan farm butter. dairy free.	\$ 180.00	Midscale	Sandwich	Other Protein Main Entree