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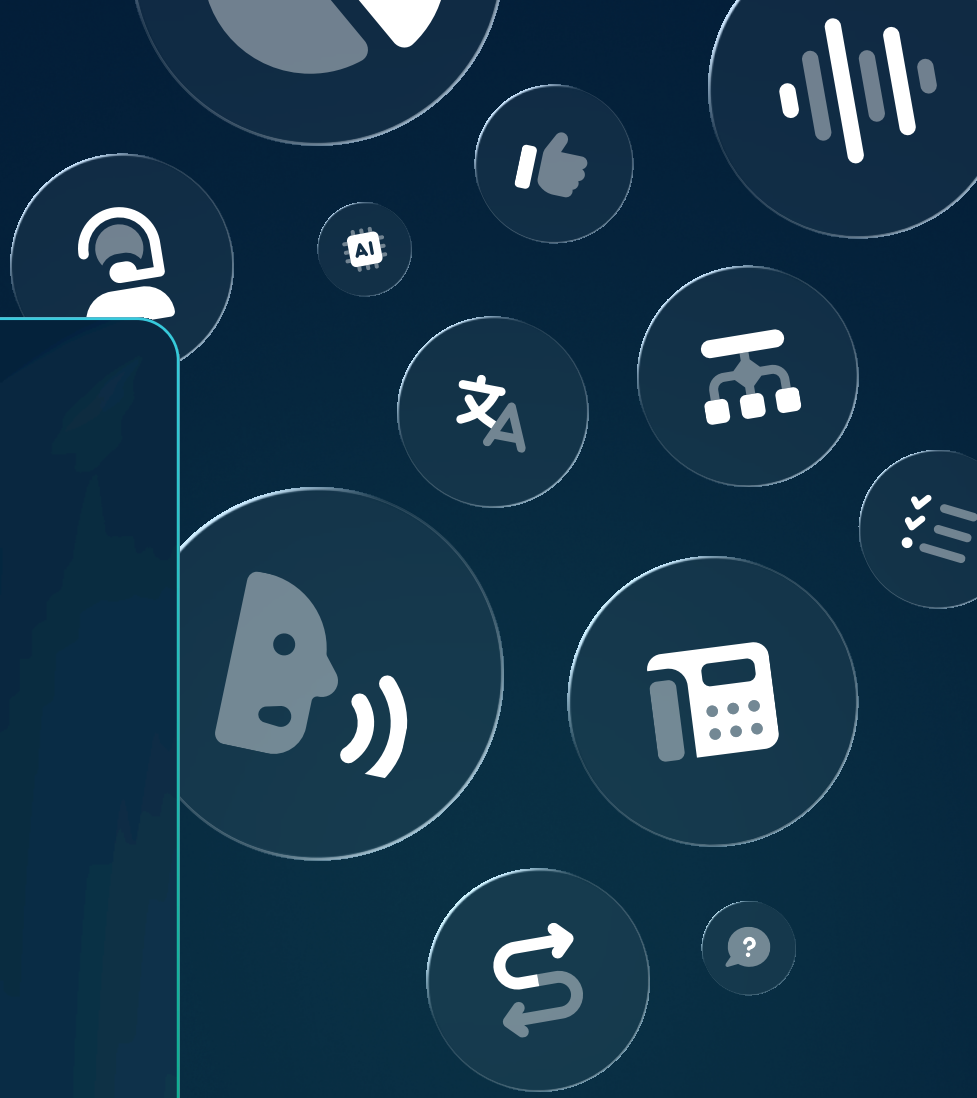
IVR in 2026: The State of Legacy Voice Self-Service and What's Changing

An evidence-based review of IVR performance and the future of phone support, with practical next steps for CX and contact centre leaders.



Talkative

Executive Summary

IVR was designed for a world where self-service over the phone meant menu trees, keypad inputs, and simple call routing.

In that context, it worked: it helped businesses reduce pressure on contact centre teams and direct callers more efficiently. For customers, IVR was more of a hindrance rather than a help, tolerated as a necessary step to reach the right place. But consumer behaviour, service expectations, and the complexity of customer queries have changed since the birth of IVR. Despite this, IVR experiences haven't evolved with them.

To understand whether IVR remains fit for purpose in 2026, we need to measure it against business requirements. This includes cost control and labour efficiency, as well as protecting retention, repeat purchase, and brand advocacy.

We also need to assess it against what customers really care about: speed, clarity, continuity, and resolution. On those measures, traditional IVR consistently underperforms. Rigid menus and limited intent recognition force customers to translate real problems into predefined options, often sending them down the wrong path. The result is repetitive information, dead ends, and significant frustration for the caller.

This friction doesn't just negatively impact callers; it also has a measurable cost for businesses. It increases cost-to-serve as customers call back, repeat information, or escalate to agents, and it drives lost revenue when people abandon purchases or choose not to buy again.

IVR's pitfalls are well documented in research. One study found that 61% of customers consider IVR a poor experience, and 51% have abandoned a business entirely after reaching an IVR menu [1]. This proves that the cost of IVR is not only felt by customers, but also by contact centres through lost revenue and loyalty.

61%

of customers consider IVR a poor experience

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At the same time, service expectations are rising. Customers aren't looking to be deflected; they want issues resolved quickly and seamlessly, with an easy path to human agents when needed. Yet research by Gartner found that only 14% of customer service issues are fully resolved in self-service, highlighting the gap between legacy self-service design and modern customer needs [2].

This is where AI is changing the equation. Modern voice AI solutions use natural language understanding and generative AI grounded in structured knowledge and prompts. This allows AI to handle voice interactions and requests conversationally, gather and retrieve information, complete tasks, and escalate with context when required.

Because of these benefits, AI adoption is accelerating, with 85% of customer service leaders planning to explore or pilot customer-facing conversational AI. Of those leaders, 44% are evaluating GenAI voicebots and 11% are already piloting them [3].

For CX and contact centre leaders, the shift isn't simply a technology upgrade. It's a new operating model for voice customer service. GenAI has been estimated to increase productivity by 30-45% in customer care functions [4], and analysts predict that agentic AI will resolve the majority of customer service issues without human intervention by 2029, resulting in significant cost reduction [5].

This report reviews the state of IVR in 2026, why legacy voice self-service is being replaced, and the practical steps leaders can take to modernise phone support without disrupting what already works.

The problem isn't that IVR does nothing. It's that the core model was designed for inputs, not intent.

Contents

The State of IVR in 2026

IVR remains the default front door for phone support, but expectations have moved on. This section examines what IVR was built for, where it falls short in 2026, and the cost for customers and contact centres.

What IVR was designed for

IVR was built to do two things well: route callers to the right team, and reduce pressure on agents. When expectations were lower and customer needs simpler, “press 1” journeys were an acceptable trade-off. Businesses gained control over call flow, and callers tolerated the menus in order to reach human agents.

In 2026, the problem isn’t that IVR does nothing. It’s that the core model was designed for inputs, not intent. Customers call with questions to ask and problems to solve, but IVR forces them to translate their issues into rigid, preset options. This is especially problematic when a customer has complex or multiple queries.

Why IVR hasn’t evolved & the consequences for CX

The problem with IVR is that its underlying technology is outdated, and most IVR experiences rely on strict decision trees. While this structure is easy to deploy and govern, the experience breaks down when caller needs don’t fit neatly into a menu. As these needs become more varied, the list of options has to grow to keep up, making it increasingly harder for customers to find the right option.

This issue has been compounded by scope creep. IVR was built for simple routing and basic requests, but many organisations now try to use it for complex, multi-step queries it was never designed to support.

Additionally, many organisations treat IVR as a “set and forget” routing solution. This means it's rarely monitored or optimised as thoroughly as digital support channels. IVR also persists because it’s deeply embedded in existing telephony infrastructure, making change feel too disruptive even when the system is underperforming.

The impact of keeping IVR shows up clearly in customer behaviour, satisfaction, and beliefs:

- **Abandonment and drop-off:** A Vonage survey found that consumers abandoned 27% of calls to businesses in the past year because they reached an IVR, and 85% terminated at least one call [1].
- **Customer satisfaction:** Only 13% of callers said reaching an IVR makes them feel positive. 64% report negative feelings, including 47% frustration [1].
- **Attitudes towards IVR:** 65% of customers believe the reason for their call might not be listed, 63% dislike being forced to listen to irrelevant options, 54% feel that IVR prevents them from reaching a real person, and 46% say IVR menus are too long [1].

It’s clear that most customers associate IVR with a poor service experience. This matters because it shows how IVR can immediately lower confidence and introduce friction.

The true cost of keeping IVR today

The cost of legacy IVR systems is often framed as customer frustration. But in reality, it's also commercial and operational.

1. Lost revenue & damaged loyalty

IVR failings aren't just an experience problem. They have a direct commercial cost. The Vonage survey found that more than half of consumers have abandoned a company entirely due to IVR [1], showing a direct link between keeping these systems and losing business. IVR may reduce some call-handling costs, but it also pushes customers away at scale, especially when competitors offer more seamless support and better experiences.

Customers also don't judge voice service by whether it was technically "contained". They judge it by whether it was quick, smooth, and resolved their issue with minimal effort. Recent research has found that 97% of consumers think it's important to be able to move between channels without repeating information, yet traditional IVR often forces repetition at handoffs [6].

The same research also found that 30% of consumers stopped doing business with a company in the last year after a bad service experience [6]. This is further proof that poor voice experiences don't just impact customers. They influence retention, loyalty and, in turn, revenue and growth.

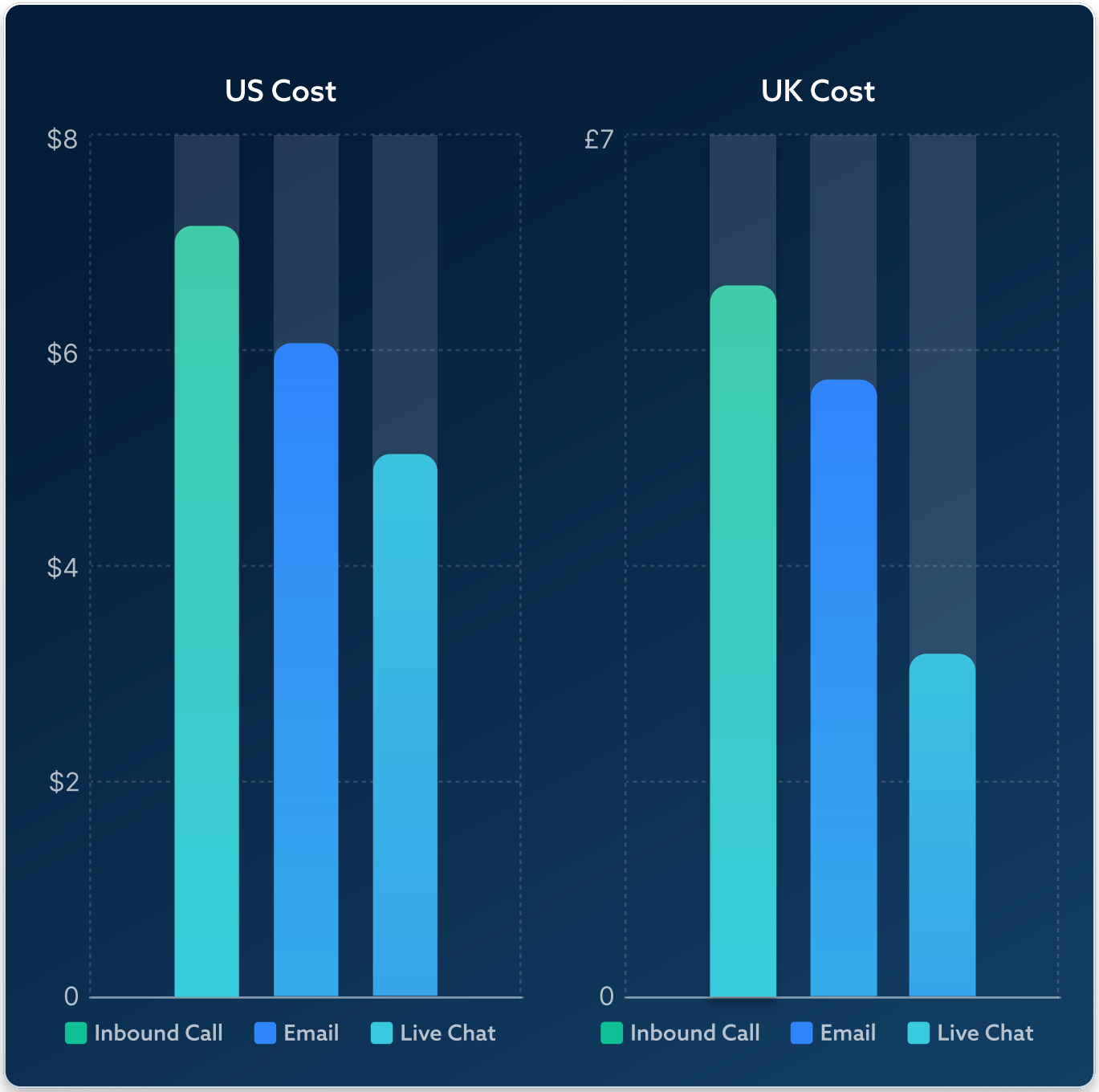
IVR failings aren't just an experience problem. They have a direct commercial cost.

2. High cost-to-serve

Voice remains an expensive customer support channel when it relies heavily on human handling. ContactBabel reports an average cost of $7.16 per inbound call in the US, which is 18% higher than email and 42% higher than live chat interactions [7]. In the UK, the average cost of an inbound call is £6.25, 30% more than email and 85% more than live chat [8].

Once a customer reaches an agent, significant time can be absorbed by low-value tasks. ContactBabel estimates that US contact centres spend around $12 billion per year on checking callers' security details [7]. This is a task that could easily be automated if IVR could more reliably and quickly identify intent, collect the right information, and authenticate callers securely before handing off to an agent.

In theory, IVR should reduce phone support costs by resolving routine queries and completing tasks before the call reaches an agent. However, it often fails to do so. This increases customer effort and pushes more interactions into the most expensive part of the service model.



The expectations gap IVR cannot close

Ultimately, IVR was designed to route calls, not resolve issues. In 2026, customers expect more. They judge voice self-service by how quickly and effortlessly it gets them to an outcome. Legacy IVRs struggle to meet that standard because the technology is lacking.

This is especially apparent in a world where artificial intelligence technologies are becoming more intelligent by the day. Consumers see these advancements in their day-to-day lives and expect customer service to follow suit. As a result, 88% of consumers believe that IVRs are no longer intelligent enough [9].

Menu-based systems can't reliably understand customer intent, maintain context, or reduce effort. The result is high operational costs, lost revenue, and increased risk to retention and loyalty.

88% Of consumers believe that IVRs are no longer intelligent enough

IVR was designed to route calls, not resolve issues.

Verdict: Is IVR Fit for Purpose in 2026?

Overall, the evidence in the previous section points to a clear conclusion: legacy IVR remains the default gateway to phone support, despite the fact it undermines both customer experience and contact centre performance.

This isn't a failure of implementation or execution, but a limitation of the IVR model itself. IVRs are out of step with modern expectations and increasingly misaligned with the commercial and operational realities of running a contact centre in 2026.

Customers want conversations, not menus

Customers call because they want to explain a problem, ask a question, or resolve an issue. IVR asks them to do the opposite. It forces callers to adapt their query to predefined options, breaking the natural flow of conversation before it begins. Now that digital experiences are more conversational, menu-based voice support feels rigid and impersonal.

In many cases, customers call when issues feel complex or when self-serve elsewhere hasn't worked. These are the scenarios where rigid menus perform worst.

Self-service is no longer about deflection

Historically, IVR was designed to deflect calls away from agents. Today, customers judge self-service by whether it actually resolves their issue (ideally, quickly and easily). Routing a call isn't the same as solving the problem. And when self-service feels like a barrier rather than support, it can increase dissatisfaction by making customers feel ignored or pushed away. IVR might aid some aspects of call handling, but it fails to deliver outcomes that matter to customers.

IVR creates friction, not efficiency

What appears efficient on paper often translates into added effort for callers. Long option lists, repeated information, and failed handoffs increase time to resolution and push more interactions into live agent queues. The result is higher cost-to-serve and a poorer experience, despite the original promise of efficiency.

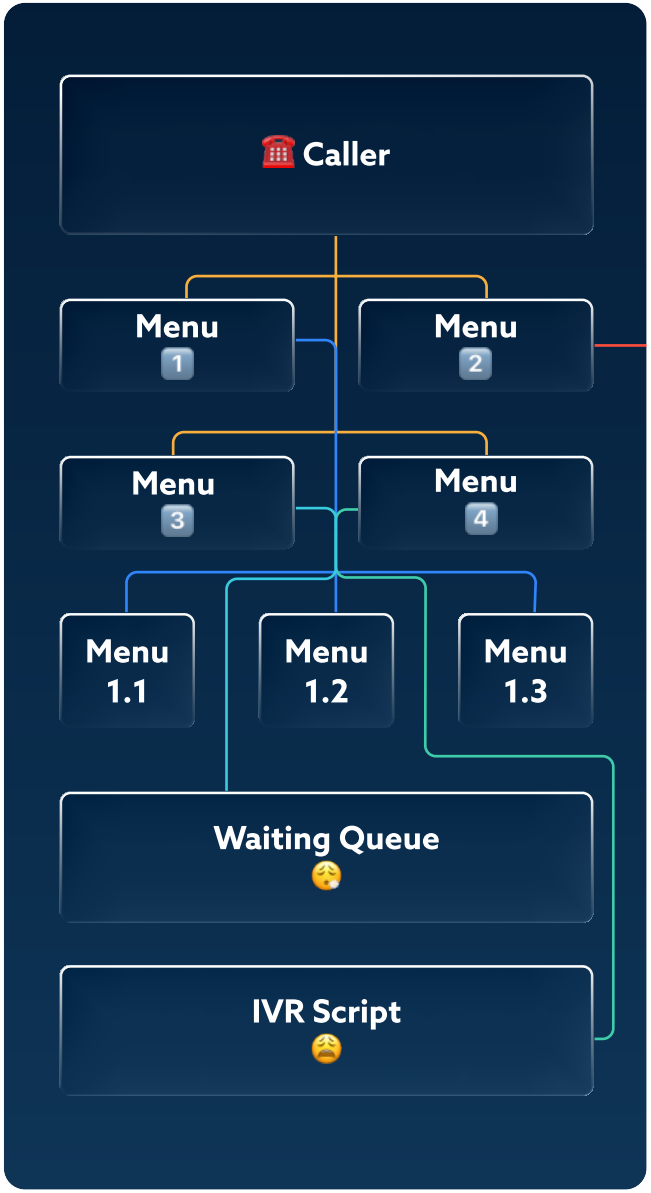
IVR helped solve the problems of a different era. In 2026, it stands in the way of progress.

IVR isn't just broken, it's obsolete

IVR was designed to manage call flow, not understand natural language, identify intent, or maintain context. It also wasn't built to operate across modern tech stacks, where query resolution requires access to multiple systems, such as CRMs or order management platforms.

As customer needs become more complex and expectations continue to rise, these limitations become structural rather than fixable. Incremental improvements can't bridge the gap between menu-driven IVR and new technologies that can integrate with a range of systems while delivering seamless, conversational service.

Bottom line: IVR helped solve the problems of a different era. In 2026, it stands in the way of progress, undermining both contact centre performance and the customer experience.



What's Replacing IVR? Voice AI Explained

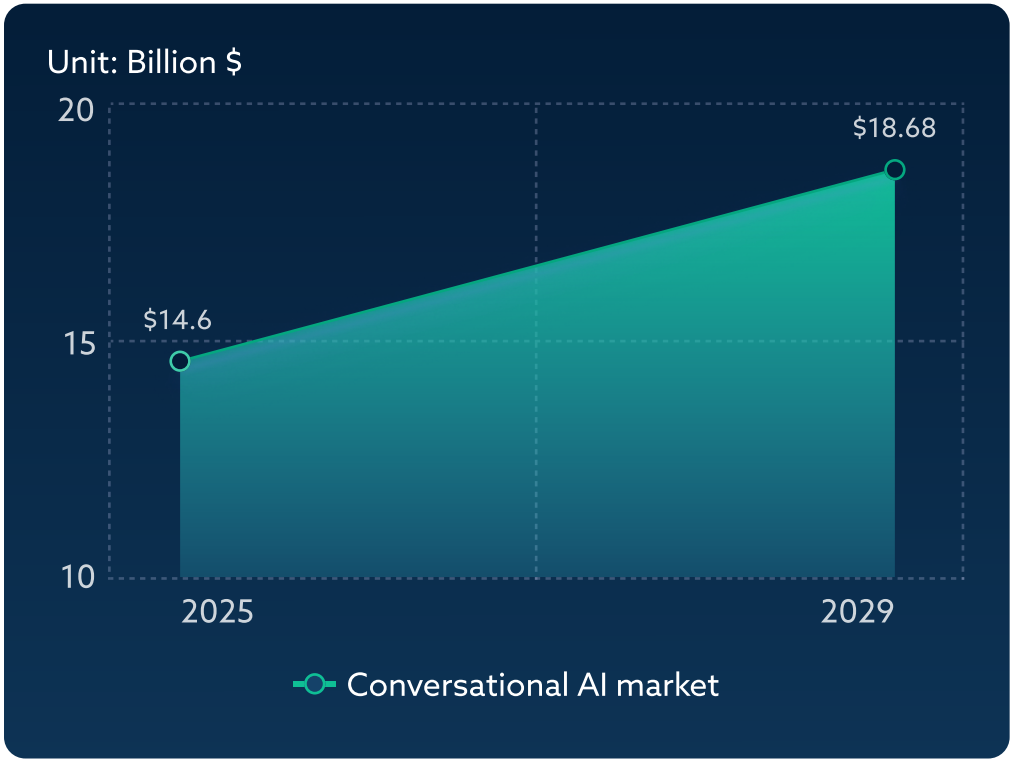
IVR is being replaced by newer, more advanced technologies because contact centres need telephony self-service that can do more than route calls.

This section explains what modern voice AI for phone support is, how it differs from traditional IVR, and why conversational automation is becoming the new standard for customer service.

Increasing adoption of AI in customer service

AI is becoming a top priority for contact centres, with investment and adoption accelerating across customer service. Calabrio reports that 98% of contact centres are using AI in some capacity, with chatbots and voicebots among the most commonly deployed tools [10].

According to Salesforce research, 79% of customer service leaders believe that AI investment is essential to meet current business demands, and 85% expect their AI investments to increase over the next year [11]. This shift is also reflected in wider market momentum, with Juniper Research forecasting that the conversational AI market will grow from $14.6 billion in total revenue in 2025 to $30.8 billion by 2029, representing 110% growth over the period [12].



For voice AI specifically, we also see growing momentum. Gartner reports that 44% of customer service leaders are currently evaluating GenAI voicebots, 11% are already piloting them, and 5% have deployments live [3]. The same study found that 85% of leaders are exploring customer-facing conversational GenAI [3]. It's clear that voice AI and conversational automation are quickly moving from future innovation and experimentation to standard planning for contact centres.

Collectively, these trends point to the same conclusion. **IVR is no longer the default route to scale phone support; conversational AI is.**

What is Voice AI?

In customer support, voice AI is a conversational self-service layer that can understand what a caller is trying to accomplish and respond in natural language. It typically combines:

- **Advanced speech recognition (ASR)** to accurately capture what callers say, even with accents, background noise, or varied phrasing.
- **Natural language understanding (NLU)** to interpret intent, meaning, context, and extract key details.
- **Generative AI** to produce response content and handle natural, conversational dialogue.
- **Text-to-speech and/or speech-to-speech** technology to generate real-time audio outputs in response to callers.
- **Translation and language detection** for multilingual customer interactions.

IVR	Voice AI
Menus	Natural Speech
Keywords	Intent- Driven
Repetition	Context Carried Forward
Dead ends	Resolution/ Smart escalation

- **Prompts and guardrails** that shape tone, accuracy, and escalation rules.
- **Knowledge bases** that ground responses in approved, accurate information.
- **Fallback and escalation logic** to detect uncertainty, handle edge cases, and transfer to the right team or agent when needed, along with context and key information.
- **Analytics and reporting** to measure containment and other key performance metrics.
- **Integrations** into existing contact centre systems and CRMs.
- **Security, compliance, and access controls** to govern what the system can do and what data it can use.

The result is an experience in which callers can speak as they normally would to a human, be understood, and progress smoothly toward resolution.

How Voice AI differs from IVR

IVR is built around a fixed path that forces the customer to adapt to the system. Voice AI, by contrast, is built around a flexible system that adapts to the customer.

Key differences include:

- **Menus vs conversation:** IVR offers a rigid set of options to choose from. Voice AI asks questions, responds dynamically, and allows callers to express what they need naturally, replicating a human conversation.
- **Routing vs resolution:** IVR is designed just to get the caller to the right department. Voice AI is designed to resolve queries and complete tasks end-to-end, transferring to live agents only when necessary or at the caller's request.
- **Start over vs continuity:** IVR frequently resets context during handoff. Voice AI can pass context and captured details to agents, enabling seamless transfers.
- **Static vs improving:** IVR trees often stay the same for years. Voice AI can be optimised continuously using analytics, reporting, and human-in-the-loop review.

These differences matter because many self-service experiences fail for the same reasons. Gartner found that only 14% of issues are fully resolved in self-service [2], and 45% of customers say self-service systems don't understand what they're trying to do [2]. The same research also found that the most common reason for failed self-service is that customers can't find the information they need [2].

Voice AI rectifies these issues by leveraging advanced language understanding and intent recognition, along with accurate knowledge retrieval and end-to-end task automation.

45%

of issues are fully resolved in self-service, and 45% of customers say self-service systems don't understand what they're trying to do

Why Voice AI is better for customers & contact centre teams

For customers, voice AI improves experience and minimises effort. It makes phone self-service feel like a conversation, not a challenge, and supports the continuity people increasingly expect across channels. As 97% of consumers want to move between channels without repeating themselves [6], a voice AI experience that gathers details once and hands them over to an agent aligns far better with expectations than a traditional IVR journey.

For contact centre teams, the value is measurable gains in efficiency and service outcomes. McKinsey highlights an example where a telecommunications provider reduced total call volume by 30% and cut average handle time by more than a quarter after implementing AI [13]. At the same time, first-call resolution rates increased by 20 percentage points [13], indicating improved service quality as well as higher efficiency.

97%

Of consumers want to move between channels without repeating themselves

Automation where it works, humans where it matters

Importantly, the goal with voice AI isn't to completely remove live agents from the equation. It's about using AI to handle any call, query, or task that can be automated effectively, reserving human support for the moments when it's actually needed and adds the most value.

Voice AI's ability to capture key information and context upfront also supports this. It ensures the customer not only reaches the right agent but that the agent starts the conversation armed with all the information needed to resolve the issue faster and without repetition. Done properly, this facilitates better customer experience, optimal efficiency, and improved agent performance.

With effective performance management, analytics, and human refinement, voice AI systems can also improve continuously over time. This is the opposite of the "set and forget" model that defines most legacy IVR.

Voice AI makes phone self-service feel like a conversation, not a challenge.

Typical use cases for voice AI in customer service

Modern voice AI solutions can handle a wide range of high-volume queries and tasks, including:

- Order status and delivery updates
- Returns, refunds, and cancellations
- Appointment booking and rescheduling
- Account access and identity verification (where appropriate)
- Billing queries and payment support
- Store or service information (hours, policies, availability)
- Lead capture, quotes, and revenue opportunities (e.g. upsells, upgrades, add-ons)
- Simple troubleshooting and triage
- Collecting details before escalation to an agent

These are the types of interactions where voice AI can deliver faster resolution and lower friction than menu-based IVR, while still escalating smoothly when a human is needed.

Voice AI reshapes the front door to customer support around resolution, not just routing.

Voice AI vs IVR: A Direct Comparison

The table below compares IVR and voice AI across customer experience, capabilities, and operational performance.

Dimension	Legacy IVR	Voice AI
Primary purpose	Route calls and deflect basic queries via menus	Resolve queries and complete tasks through human-like interactions, with escalation when needed
Interaction style	Menu-driven (“press 1 for....”)	Conversational (“How can I help?” with follow-up questions)
How customers express needs	Forced into predefined options	Natural language in the customer’s own words
Intent recognition	Limited (often keyword or DTMF-based)	Stronger intent recognition using technologies like NLP/NLU
Ability to complete tasks	Narrow and rigid (depends on hard-coded flows)	Broader “end-to-end task automation” (bookings, order status updates, returns, etc.)
Knowledge handling	Static scripts; limited retrieval	Grounded responses using company knowledge base and prompts

Dimension	Legacy IVR	Voice AI
Personalisation	Minimal; often one-size-fits-all	Can tailor based on context (customer history, eligibility, intent), where data access allows
Context and continuity	Often resets at each step; repetition is common	Maintains context across turns and can pass information to agents on transfer
Data capture before escalation	Basic (DTMF inputs, short selections)	Rich capture (free speech + extracted details, summaries, transcripts)
Handover to human agents	Often “cold transfer” with little context	“Warm transfer” with intent, captured info, and conversation context
Customer effort	Higher (listen, choose, repeat, backtrack)	Lower (speak naturally, fewer steps, less repetition)
Customer sentiment risk	High risk for frustration and call abandonment	Low-risk when well-governed (still requires escalation and QA)
Multilingual support	Limited, expensive to build and maintain	More scalable multilingual support via language-aware speech recognition + NLU + translation + TTS / STS
Speed to resolution	Often slower due to long trees and dead ends	Faster when queries can be resolved or triaged conversationally

Dimension	Legacy IVR	Voice AI
Operational efficiency	Handles routing, but often adds friction and agent workload when issues spill over without context	Reduces effort by capturing intent and information upfront, resolving more issues autonomously, and including context when handovers are needed
Optimisation approach	“Set and forget” trees; changes are manual and slow	Continuous improvement using analytics, testing, and human-in-the-loop refinement
Governance and risk	Predictable but brittle; limited flexibility	Flexible with guardrails, monitoring, and clear policies to stay accurate and safe
Best fit use cases	Simple routing, static information, compliance-heavy menus	High-volume enquiries, transactional self-service, intelligent triage, data gathering before handoff, multilingual support

From Deployment to Optimisation: How to Implement Voice AI

Voice AI adoption is accelerating, and the potential benefits are huge, but it's not a set-and-forget solution like IVR. Most teams progress through clear stages, building capability and confidence over time.

The implementation model below outlines a practical path from pre-deployment and improving call handling to delivering resolution-first voice self-service that continuously evolves.

Progression through the stages is usually driven by two factors: stronger integration into core systems and a hands-on approach to performance management and ongoing optimisation.

Stage 1: Laying the foundations (define + prepare)

Goal: Set voice AI up for safe, measurable success.

Focus: Before deployment, define success metrics (e.g. resolution, containment, CSAT, safe escalation) and goals, select the first high-impact use cases the AI will handle, and set governance and escalation policies. Establish an approved company knowledge base, then develop and test prompts, flows, and guardrails before launch. Put performance management and QA in place from day one, including analytics, transcript review, and regular reporting.

Outcome: The first deployment is scoped, measurable, and easier to improve, rather than a broad rollout with unclear outcomes.

Stage 2: Voice AI for triage & data capture (assist + route)

Goal: Reduce friction at the start of the call and improve handoffs.

Focus: Ensuring the AI understands intent, asks clarifying questions, and captures key details before routing to the right queue. This can often be implemented through integration with telephony infrastructure and allows the transfer of context and captured information. An AI copilot can also be layered in at this stage, providing response suggestions, call transcripts, summaries, and more, reducing manual admin and helping agents handle calls more efficiently.

Outcome: Agents receive a warmer handover with context plus real-time AI assistance, reducing repetition and accelerating resolution.

Stage 3: Voice AI for resolution (inform + serve)

Goal: Resolve high-volume requests without needing an agent.

Focus: Moving beyond triage into using voice AI to fully resolve queries without human intervention. In this stage, the AI can complete self-service tasks, such as appointment booking or rescheduling, order status updates, account changes, etc., as well as retrieve information from the knowledge base (e.g. opening hours, policies, product/service availability) to answer general questions. Task completion typically relies on integrating voice AI with core systems (e.g. CRM, order management systems, scheduling platforms), so it can take actions, not just provide information.

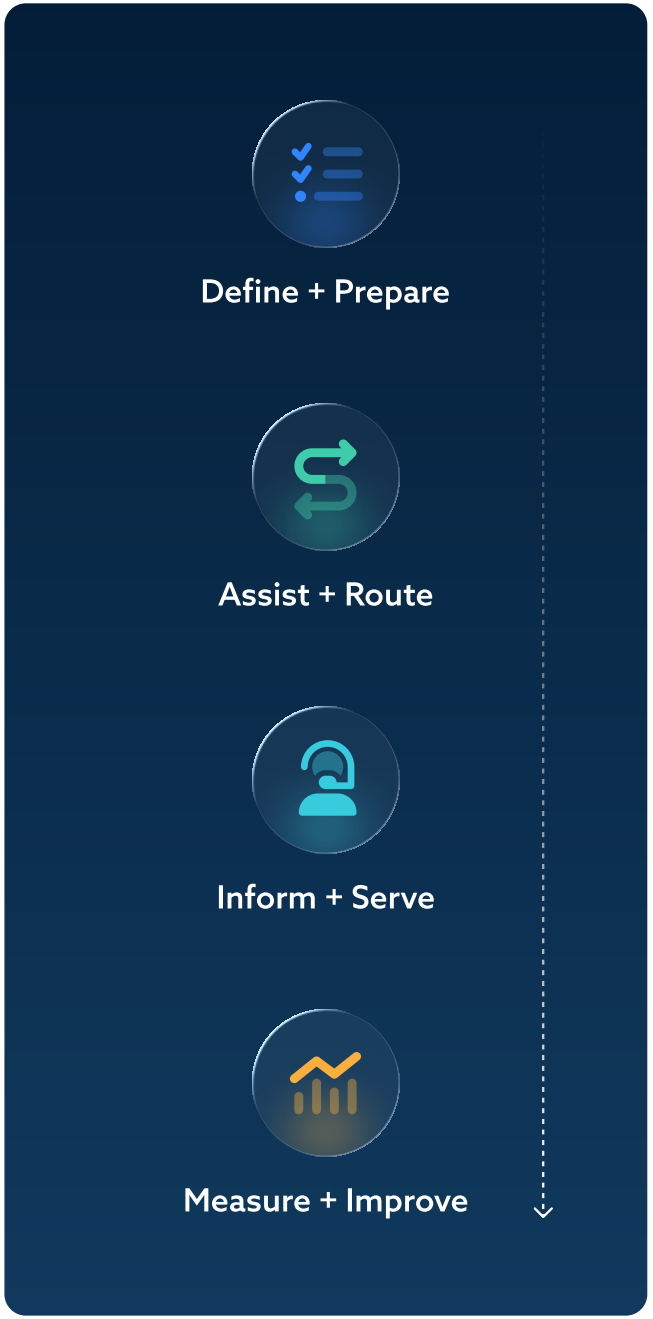
Outcome: Fewer calls reach agents, and the calls that do are more complex or high-value.

Stage 4: Continuous optimisation (measure + improve)

Goal: Improve performance over time and expand capability with confidence.

Focus: Use interactions data, analytics and reporting to identify drop-off points, misrouted intents, unanswered questions, and other performance issues. Human review then refines prompts, updates and expands the knowledge base, and adjusts escalation rules based on what happens in real calls. Over time, this continuous loop improves accuracy, enhances service quality, and increases resolution and containment rates.

Outcome: Voice AI becomes a managed programme rather than a one-time deployment, with measurable ongoing improvements in resolution, containment, CSAT, and efficiency.



Next Steps for CX & Contact Centre Leaders

Replacing legacy IVR isn't an "all at once" transformation. The most effective deployments start with clear outcomes, focus on high-impact call types, and build capability step by step.

The goal is simple: minimise customer effort, improve resolution, and make voice operations more efficient without completely overhauling your existing infrastructure.

Questions leaders should be asking (and what to look for)

The questions below provide a practical checklist for evaluating voice AI solutions or providers, from functionality and integration to security and scalability.

1. What does success look like for us?

Look beyond containment. Define success using a set of key performance metrics such as resolution rate, customer effort, CSAT, time to resolution, and quality of escalation.

2. Where is IVR creating the most friction today?

Identify the call journeys with high drop-off, long menus, repeated transfers, and frequent "agent rescue" moments. These are usually the best candidates for early voice AI use cases. Identify which queries are both high-volume and low-risk to automate.

Prioritise call types with clear intent, stable rules, and predictable outcomes. Examples include order status updates, appointment bookings or changes, and common questions about your products/services or policies.

3. Can the system complete tasks, or only talk about them?

A capable voice AI solution should retrieve accurate answers from approved knowledge and, where needed, integrate with core systems to complete self-service tasks end to end. If it can't take action, it may only shift effort rather than reduce it.

4. How does it handle uncertainty & escalation?

Ensure the solution supports strong fallbacks, clear escalation rules, and warm transfers that pass intent, captured details, and a summary so agents can pick up quickly without repetition.

5. How will we govern performance & reduce risk?

Ask how knowledge is managed, how prompts are reviewed and refined, how errors are monitored, and how teams make changes. Strong analytics and reporting, auditability, and access controls matter as much as AI capability.

6. Can it support multilingual & accessibility needs?

If you serve diverse audiences, confirm language coverage, speech recognition quality, and whether translation, dialects, and voice output meet your needs.

7. Does it meet our security & compliance requirements?

Confirm the provider has data security protocols in place, including encryption, access controls, data retention policies, and audit logging. Ensure compliance with relevant regional and industry regulations (e.g. GDPR, CCPA, HIPAA, PCI DSS, the EU AI Act), and find out how consent, redaction, and regulated data handling are managed.

Next Steps:

Common mistakes to avoid

The pitfalls below are common when organisations move from legacy IVR to conversational voice AI, and they often limit impact or introduce avoidable risk.

1. Treating voice AI as a "set and forget" deployment

Voice AI performance depends on continuous performance monitoring and regular refinement of prompts, knowledge, and escalation rules. Plan for ownership and ongoing optimisation from day one.

2. Starting too broad

Trying to automate everything at once increases risk and delays impact. Begin with a narrow set of high-volume call types and expand based on results.

3. Neglecting knowledge quality, prompts, & integration readiness

If knowledge base content is outdated or fragmented, retrieval will be unreliable and potentially inaccurate. If prompts are poorly designed or left unrefined, the experience can become inconsistent or off-brand. If integrations are weak, the system may be unable to complete tasks end-to-end and will force unnecessary handoffs.

4. Designing poor escalation experiences

A "cold transfer" undermines trust. Ensure context is captured and passed through so customers don't have to repeat themselves, as they do with most IVR journeys.

5. Underestimating change management

Agents and supervisors need to understand how the system works, when it escalates, and how to provide feedback on any issues. Adoption improves when frontline teams are part of the loop.

6. Choosing a provider without a clear path to value

Some solutions look strong in demos but stall in real deployments when integration effort, governance, and ongoing optimisation aren't properly supported. Evaluate providers on more than features and cost. Look for proven time-to-value, clear implementation support, transparent pricing, and the operational expertise required to launch safely, measure performance, and improve the system over time.

How to get started

Getting started with voice AI doesn't mean replacing your existing telephony infrastructure or core systems. Many solutions can be integrated into your current environment, allowing a phased rollout with minimal disruption.

Most organisations start by integrating voice AI, proving value in one area, then expanding over time.

Start small. Prove value. Scale with confidence.

1. Audit current IVR journeys

Identify the top reasons customers call and map out where they drop off, repeat options, or reach dead ends. Use this information to select the first use cases you want the voice AI to handle.

2. Start with a single, high-volume call type

Choose a call type with clear success criteria and low operational risk. Build confidence and prove value before expanding.

3. Launch with strong governance & measurement

Define what the AI system can and can't do. Set clear guardrails and escalation rules. Establish reporting for containment, resolution, errors, CSAT, and escalation quality.

4. Expand capability in stages

Once triage and data capture are working well, add knowledge-based resolution. Then, introduce task completion through integrations. Scale to additional call types when performance is stable.

5. Establish a continuous improvement loop

Use analytics and reporting to monitor performance, spot unresolved queries and other issues, then review transcripts and outcomes to understand why. Refine prompts and update knowledge based on real interaction data. Track improvements over time and share wins across teams.

Summary & Key Takeaways

Legacy IVR was designed to route calls efficiently through fixed menus. In 2026, customer expectations have shifted towards fast, conversational support that resolves issues with minimal effort. The evidence is clear that menu-based journeys often create friction, increase abandonment, and erode confidence before the customer has even explained their need.

Voice AI is replacing IVR because it's built around intent and resolution. It can answer countless questions through knowledge retrieval, complete tasks end-to-end through integrations, and escalate to human agents with context when needed. The result is a far more advanced operating model for voice customer service that improves outcomes for callers, agents, and businesses alike.

The takeaways:

1. **IVR was designed to facilitate routing, not resolution**, and often increases friction through rigid menus, repetitive handoffs, and a poor customer experience overall.

2. **Self-service expectations are rising**, and customers want issues fully resolved, not deflected.

3. **Modern voice AI enables conversational self-service**, combining intelligent routing with warm transfers, knowledge retrieval, and end-to-end task automation.

4. **The best results come from a human plus AI model**, where AI handles what can be automated effectively, and agents focus on complex or high-value interactions.

5. **Voice AI isn't a one-off deployment;** performance improves through analysis, governance, and the continuous refinement of knowledge and prompts.

Final thoughts

Implementing voice AI doesn't have to involve ripping out existing infrastructure or overhauling operations overnight. The most successful deployments are incremental: integrate and deploy, start with a high-volume call type, measure performance, and expand capabilities over time.

With a phased and strategic approach, modernising legacy IVR can be far more straightforward than it sounds. It's also a valuable opportunity for CX leaders to reduce costs and maximise efficiency while also delivering a better, more seamless customer experience.

Ultimately, modernising phone support requires a measured, integrative approach that starts with the highest-friction journeys and scales towards resolution-first self-service. The organisations that act now will be best placed to meet rising expectations, scale phone support sustainably, and future-proof their service model, creating a lasting competitive advantage.

About Talkative

Talkative delivers AI customer service you can trust: a secure, flexible AI layer for contact centres that's fast to deploy, easy to manage, and tailored to your specific use cases.

Built on a knowledge base and prompt-powered architecture, Talkative helps teams deliver accurate, brand-aligned customer service at scale. Our solution works across voice, chat, and messaging, integrates with existing systems, and escalates seamlessly to human agents with full context when needed.

Talkative supports customers, agents, and contact centre leaders through a complete platform. Customers get instant support and advanced self-service with smooth handoffs; agents are supported with real-time assistance and information via AI Copilot; and leaders are empowered with AI-driven analytics and reporting to continuously improve performance over time.

Talkative is designed to fit existing workflows and infrastructure, with broad channel coverage, integrations with core systems (e.g. CRMs), and routing across leading CCaaS and telephony platforms.

Explore Talkative

Visit gettalkative.com to learn more.

References

1. Vonage. IVR costs businesses $262 per customer each year. Vonage Newsroom; 2019.

https://www.vonage.com/about-us/newsroom/press-releases/Vonage-research-reveals-IVR-horror-costs-businesses-262-per-customer-each-year-09-26-2019/444cff58-7541-43bd-b08b-41d47951117d/

2. Gartner. Only 14% of Customer Service Issues Are Fully Resolved in Self-Service. Gartner Newsroom; 2024.

https://www.gartner.com/en/newsroom/press-releases/2024-08-19-gartner-survey-finds-only-14-percent-of-customer-service-issues-are-fully-resolved-in-self-service

3. Gartner. 85% of Customer Service Leaders Will Explore or Pilot Customer-Facing Conversational GenAI in 2025. Gartner Newsroom; 2024.

https://www.gartner.com/en/newsroom/press-releases/2024-12-09-gartner-survey-reveals-85-percent-of-customer-service-leaders-will-explore-or-pilot-customer-facing-conversational-genai-in-2025

4. McKinsey & Company. The Economic Potential of Generative AI: The Next Productivity Frontier. McKinsey; 2023.

https://www.mckinsey.com/capabilities/tech-and-ai/our-insights/the-economic-potential-of-generative-ai-the-next-productivity-frontier

5. Gartner. Agentic AI Will Autonomously Resolve 80% of Common Customer Service Issues by 2029. Gartner Newsroom; 2025.

https://www.gartner.com/en/newsroom/press-releases/2025-03-05-gartner-predicts-agentic-ai-will-autonomously-resolve-80-percent-of-common-customer-service-issues-without-human-intervention-by-20290

6. Genesys. The State of Customer Experience. Genesys Report; 2025.

https://www.genesys.com/resources/state-of-cx

7. ContactBabel. The 2025 US Contact Center Decision-Makers' Guide. ContactBabel; 2025.

https://www.contactbabel.com/the-us-contact-center-decision-makers-guide/

8. ContactBabel Report. The UK Contact Centre Decision-Makers' Guide 2025. ContactBabel; 2025.

https://www.contactbabel.com/the-uk-contact-centre-decision-makers-guide/

References

9. eGain. 3 Ways to Modernize Your IVR and Transform the Customer Experience. eGain; 2026.

https://www.egain.com/resources/modernize-ivr-and-transform-customer-experience/

10. Calabrio. State of the Contact Center. Calabrio Report; 2025.

https://www.calabrio.com/press/2025-contact-center-industry-research-report/

11. Salesforce. State of Service (7th Edition). Salesforce Report; 2025.

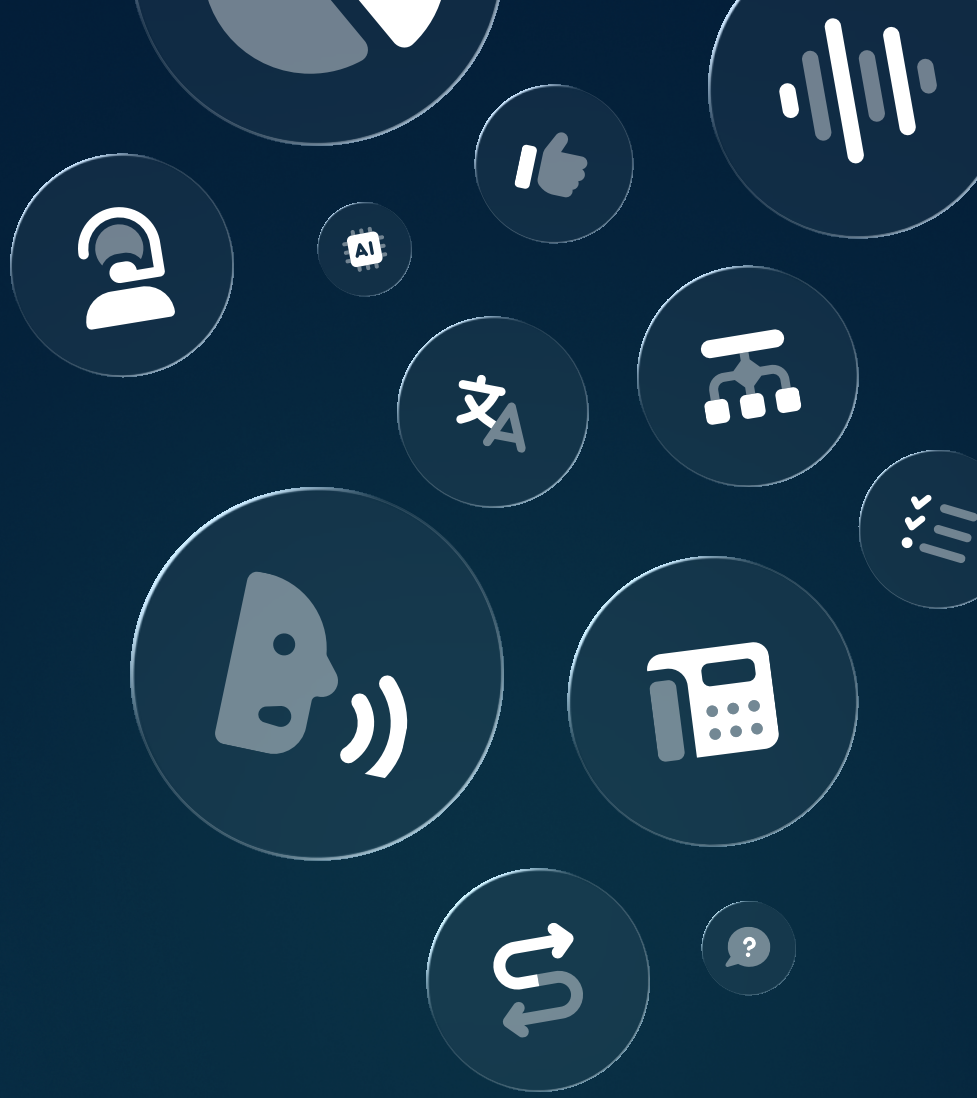
https://www.salesforce.com/uk/resources/research-reports/state-of-service/

12. Gatford, M. Conversational AI Market 2025–2029: Size, Trends & Strategic Insights. Juniper Research; 2025

https://www.juniperresearch.com/research/telecoms-connectivity/communication-services/conversational-ai-research-report/

13. Amar, J., Cheta, O., Huang, I., & Xu, S. From Promising to Productive: Real Results from Gen AI in Services. McKinsey & Company; 2024

https://www.mckinsey.com/capabilities/operations/our-insights/from-promising-to-productive-real-results-from-gen-ai-in-services



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