



RCM

RELIABILITY CENTERED MAINTENANCE

BENCHMARKING REPORT



RCM Benchmarking Report

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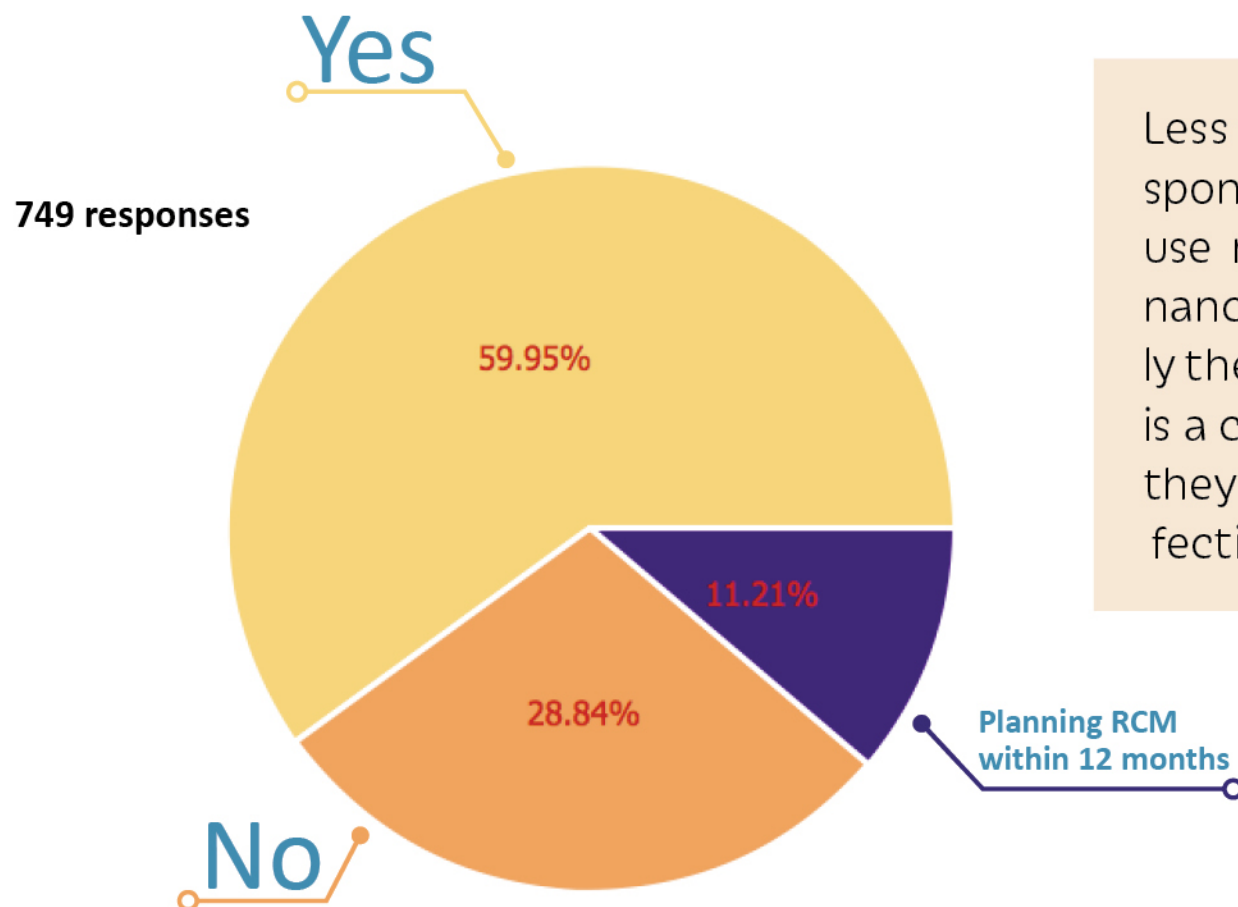
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Has your company ever used reliability centered maintenance (RCM) to define maintenance requirements on a system?

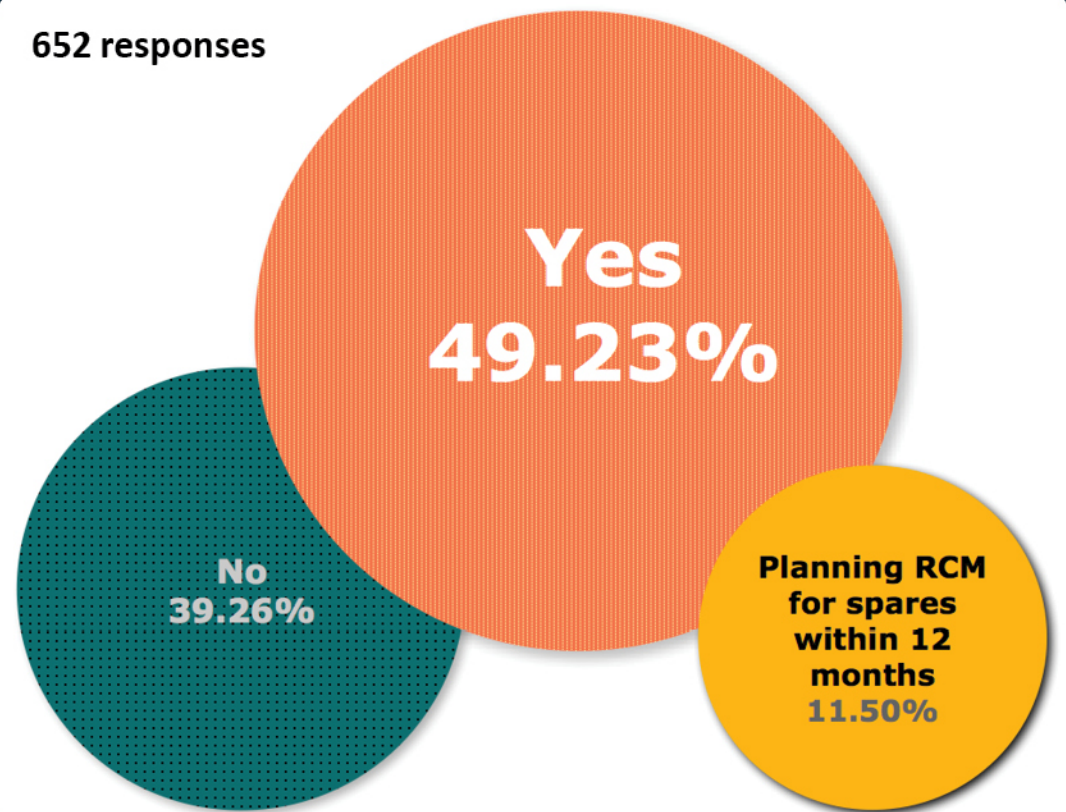


Less than one third of survey respondents have not or do not use reliability centered maintenance, which means this is clearly the dominant approach. There is a concern for the one third, as they are most likely using ineffective maintenance strategies.

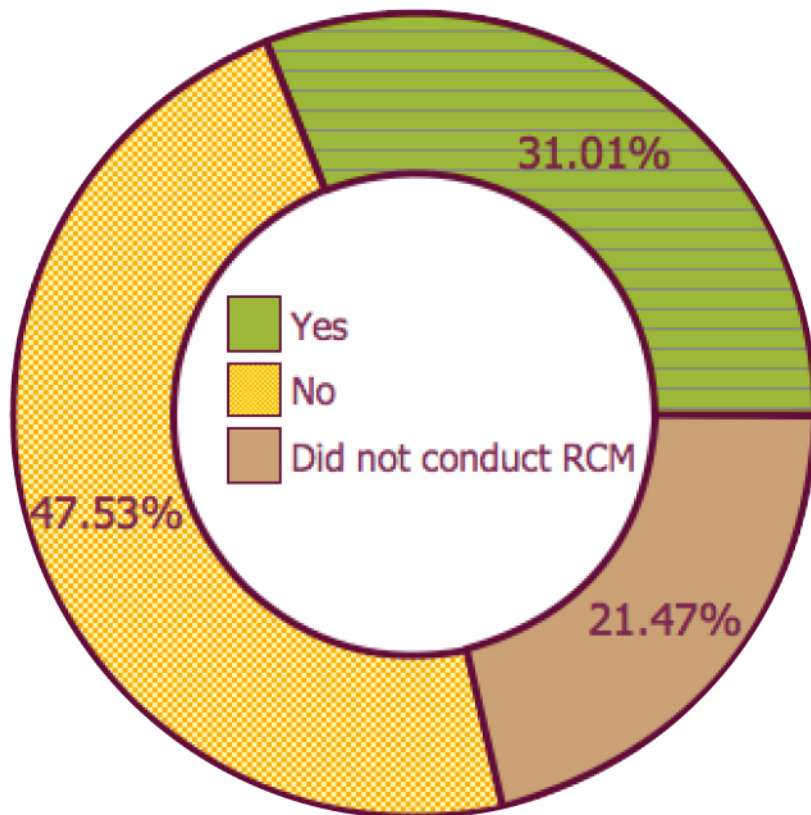
Has your company ever used reliability centered maintenance (RCM) to define maintenance spare part requirements on a system?

Around forty percent of survey respondents are not using reliability centered maintenance for spare parts requirements. If spare parts requirements are developed at the same time as RCM efforts, they can be synchronized at a high level. Putting in the extra time will benefit everything, and everybody, as a whole.

652 responses



Did you use specialized software for the RCM analysis?

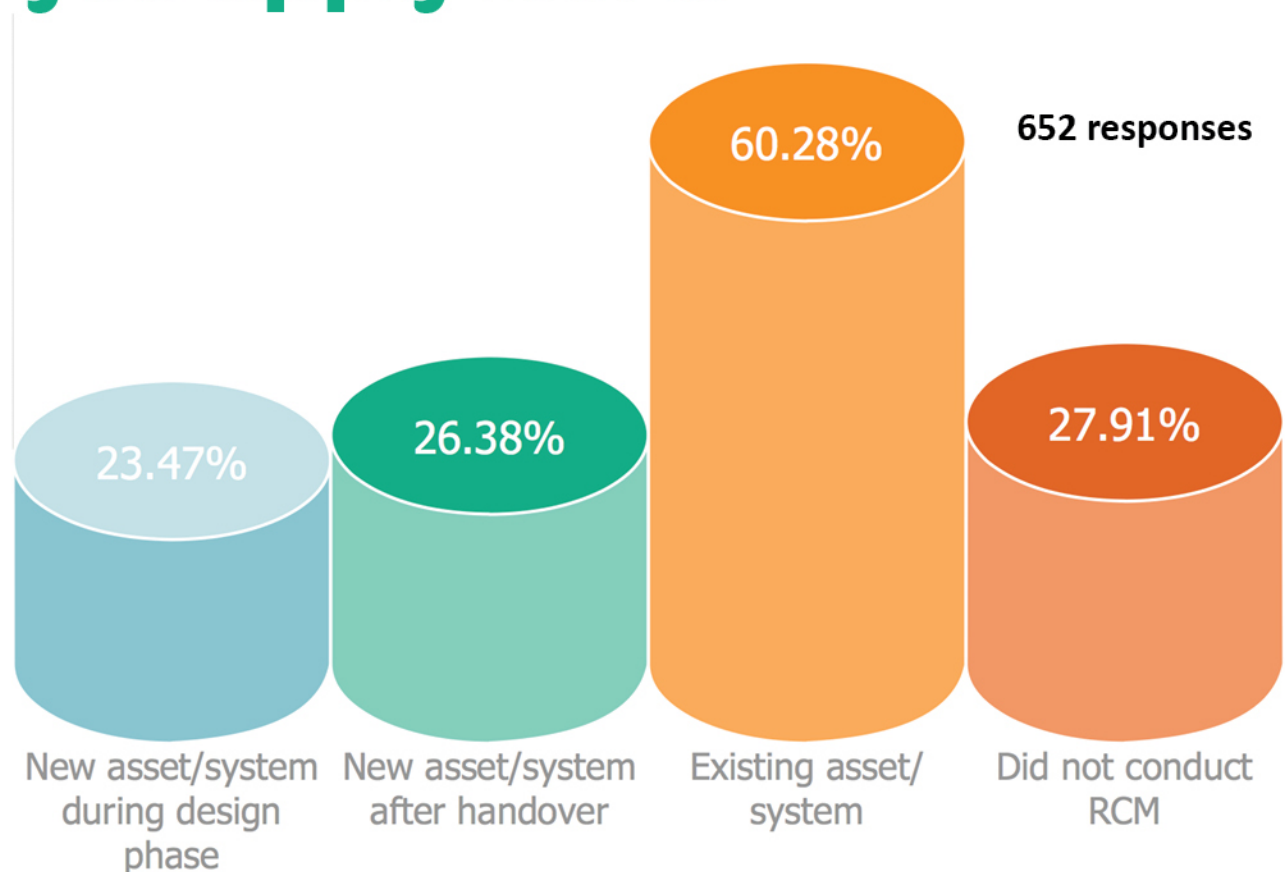


587 responses

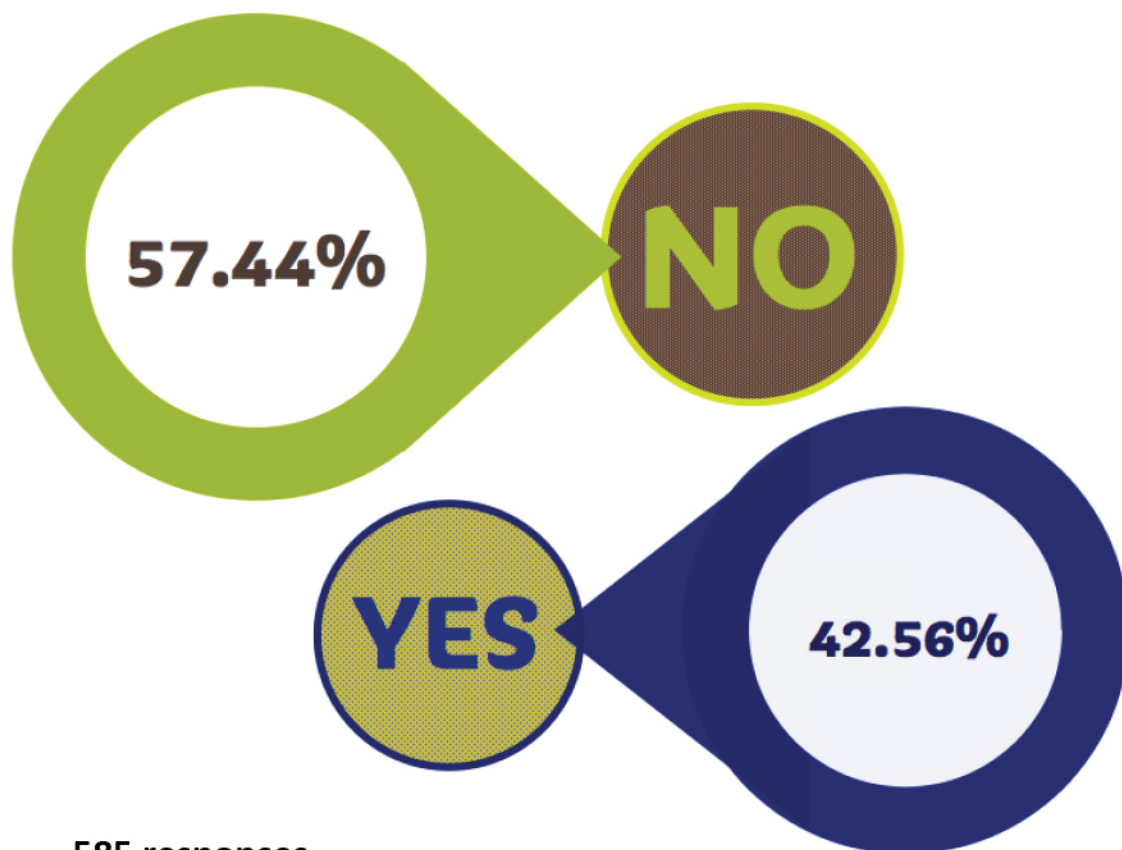
It is shocking to see the lack of use of specialized reliability centered maintenance software, indicating that RCM is viewed as an event, rather than an ongoing process to be dynamically integrated to enterprise asset management (EAM) or computerized maintenance management system (CMMS) software.

In what asset lifecycle phase(s) did you apply RCM?

One in two survey respondents are applying reliability centered maintenance during the design phase or after handover, which is the best application of RCM. Again, almost one third of respondents did not conduct RCM – we would love to see growth in this area.



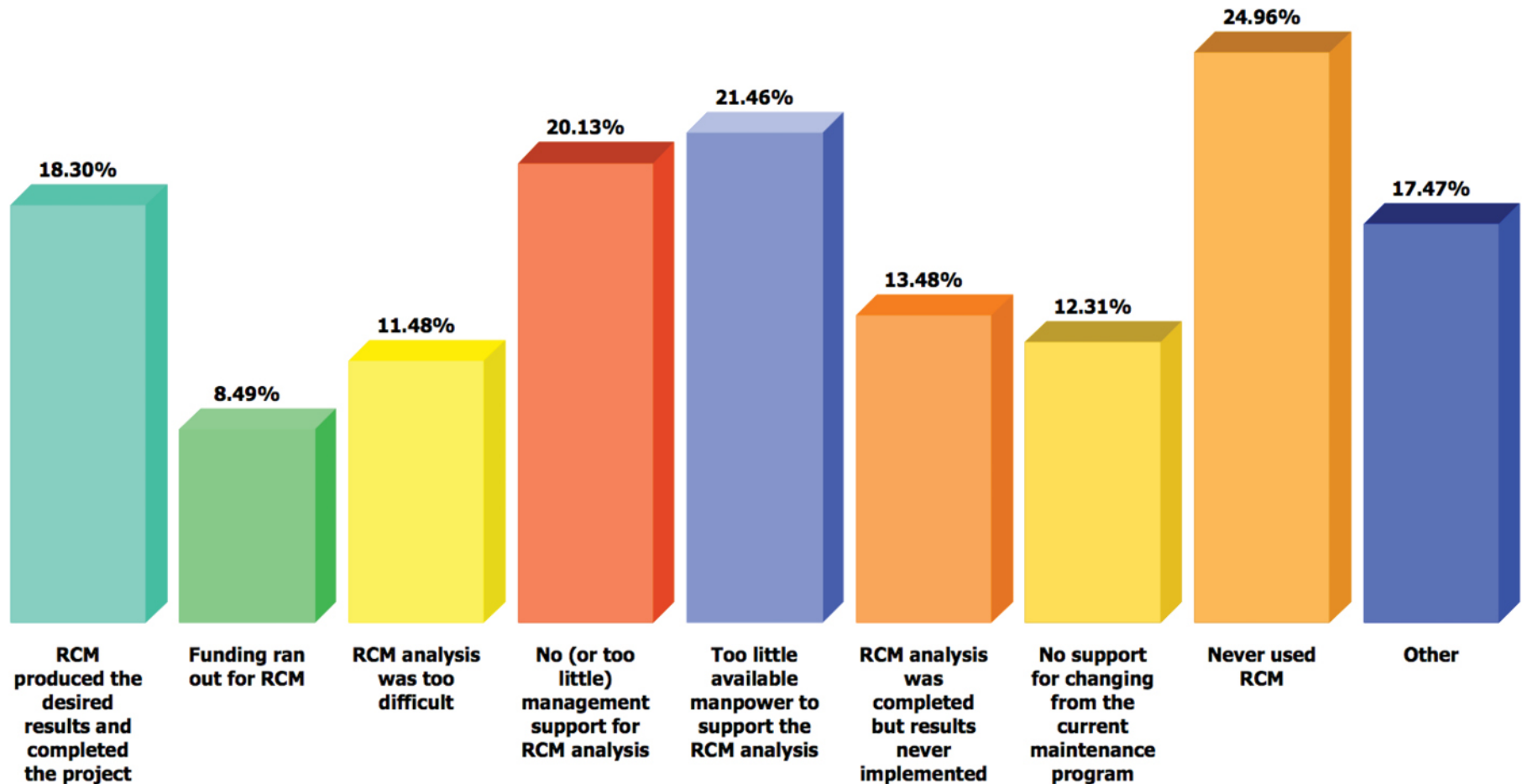
Have you been formally trained in RCM analysis or RCM facilitation?



This could provide insight as to the high failure rate in relation to the reasons why Reliability Centered Maintenance was not continued.

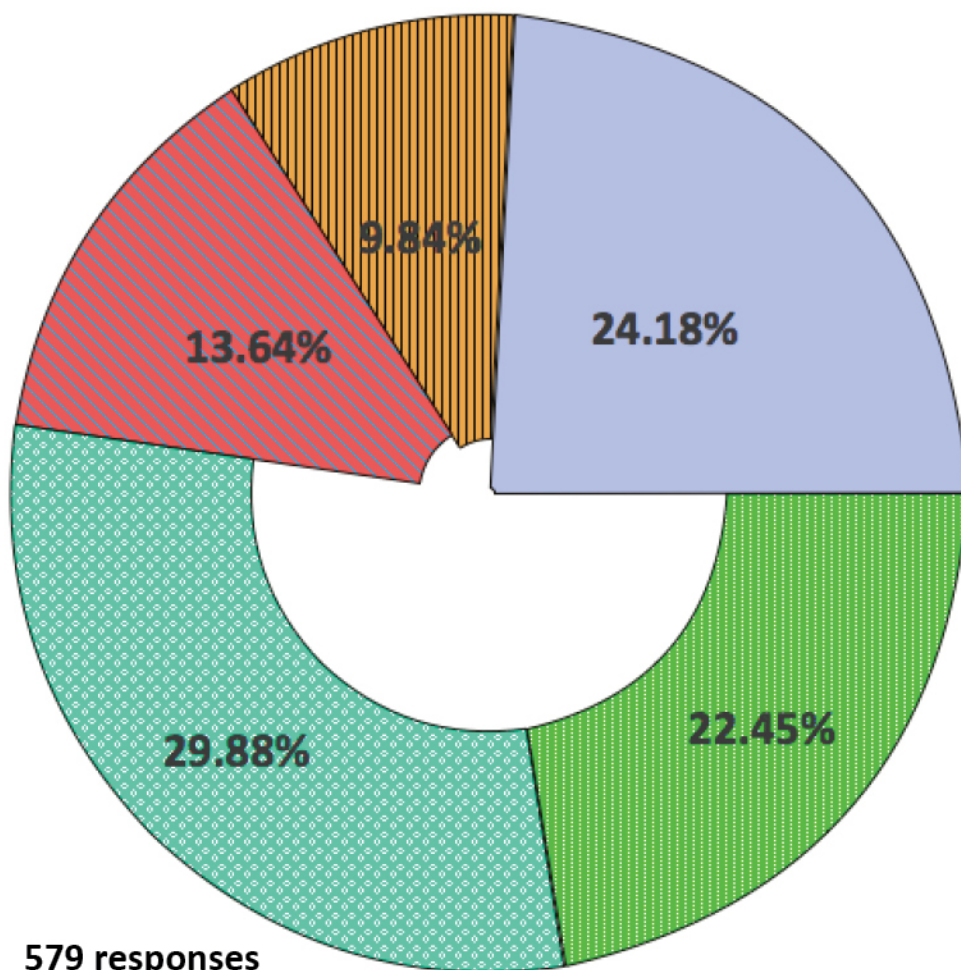
585 responses

Why did you stop using RCM?



601 responses

If you used a consulting firm for RCM analysis, was the RCM facilitator certified?



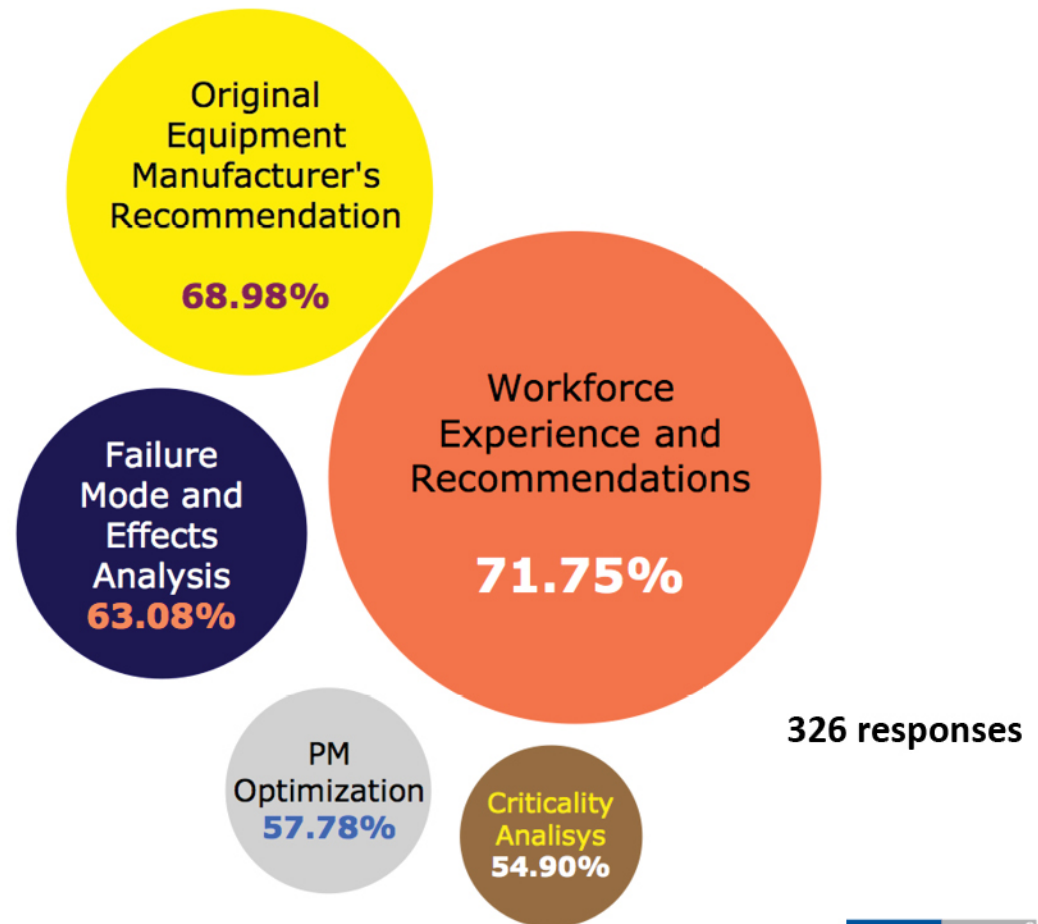
579 responses

These numbers have not changed much in ten years. The effectiveness and competence of a chosen facilitator and the commitment of the organization remain in question for those programs where desired result was not produced and/or completed successfully.

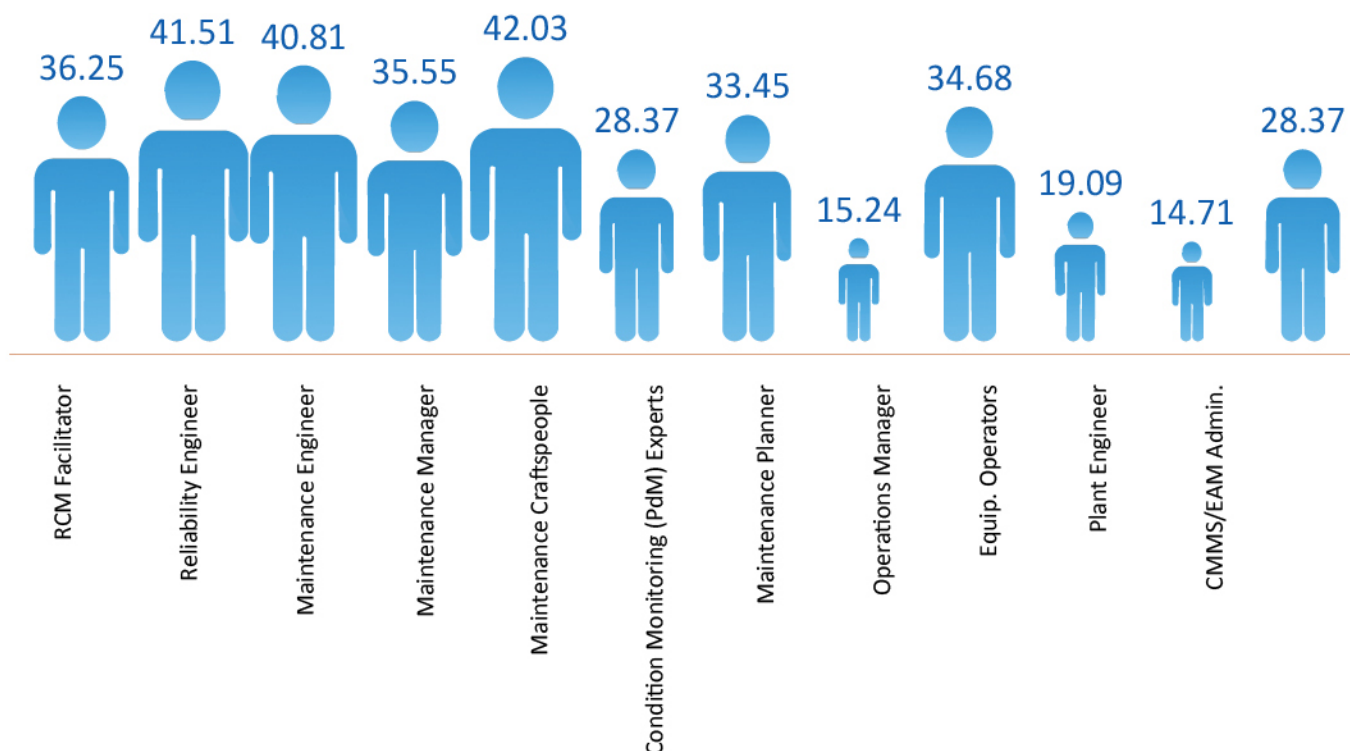
- Yes
- No
- I don't know
- We did not use a consulting firm
- We did not conduct RCM

Top FIVE other tools or methods used to develop equipment maintenance requirements

It is unsettling to see seventy percent of survey respondents indicate that they follow original equipment manufacturer (OEM) recommendations as earlier Reliabilityweb.com studies show only thirty-eight percent of OEM maintenance tasks can be used as specified.



Please select the roles of the team members who participated in the RCM analysis:

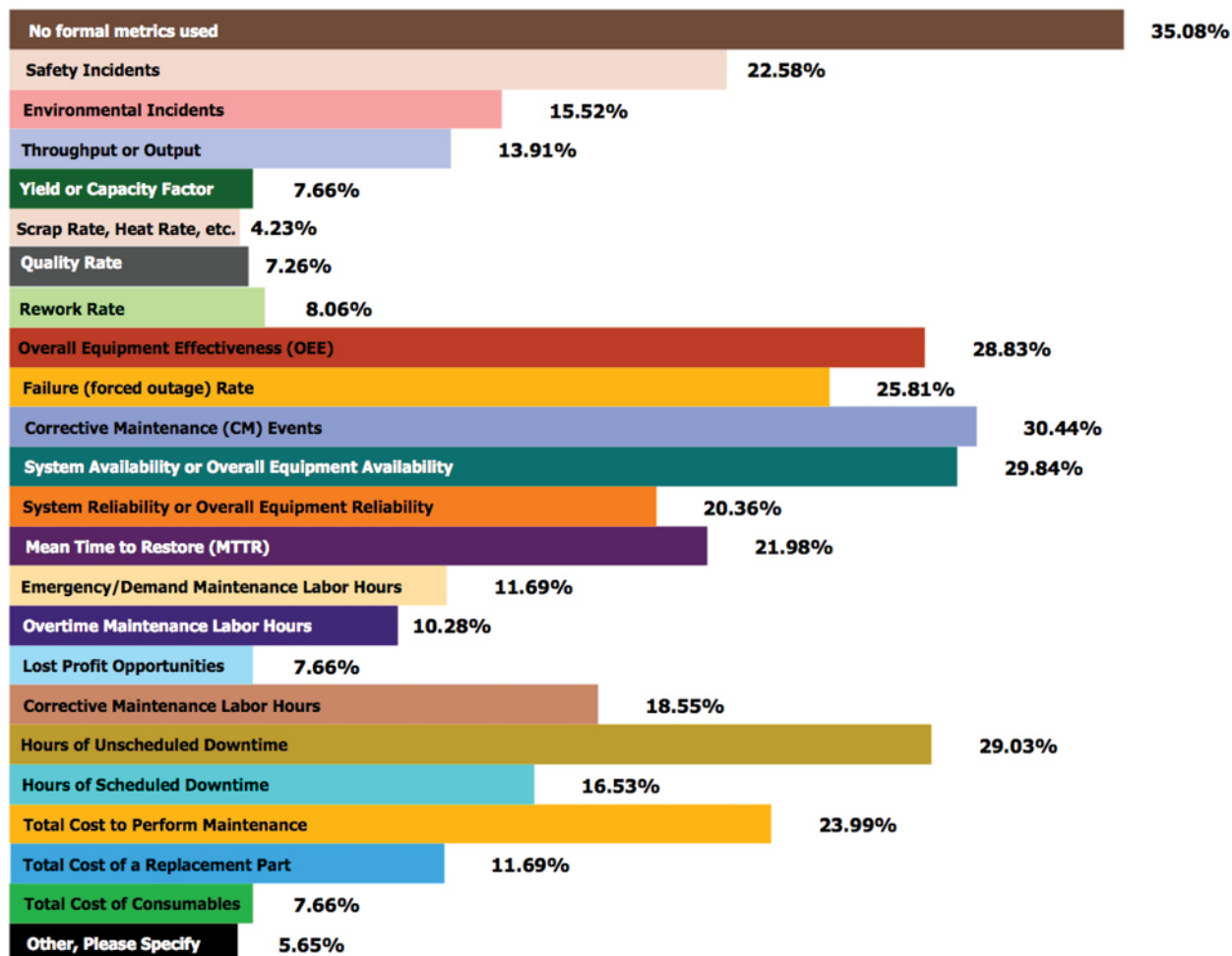


The responses to this question validate the benefit of using cross-functional teams to deliver the dual benefit of maintenance strategy development and instilling the reliability culture.

571 responses

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What RCM Project Manager's Guide metrics did you use to measure the effect of RCM?

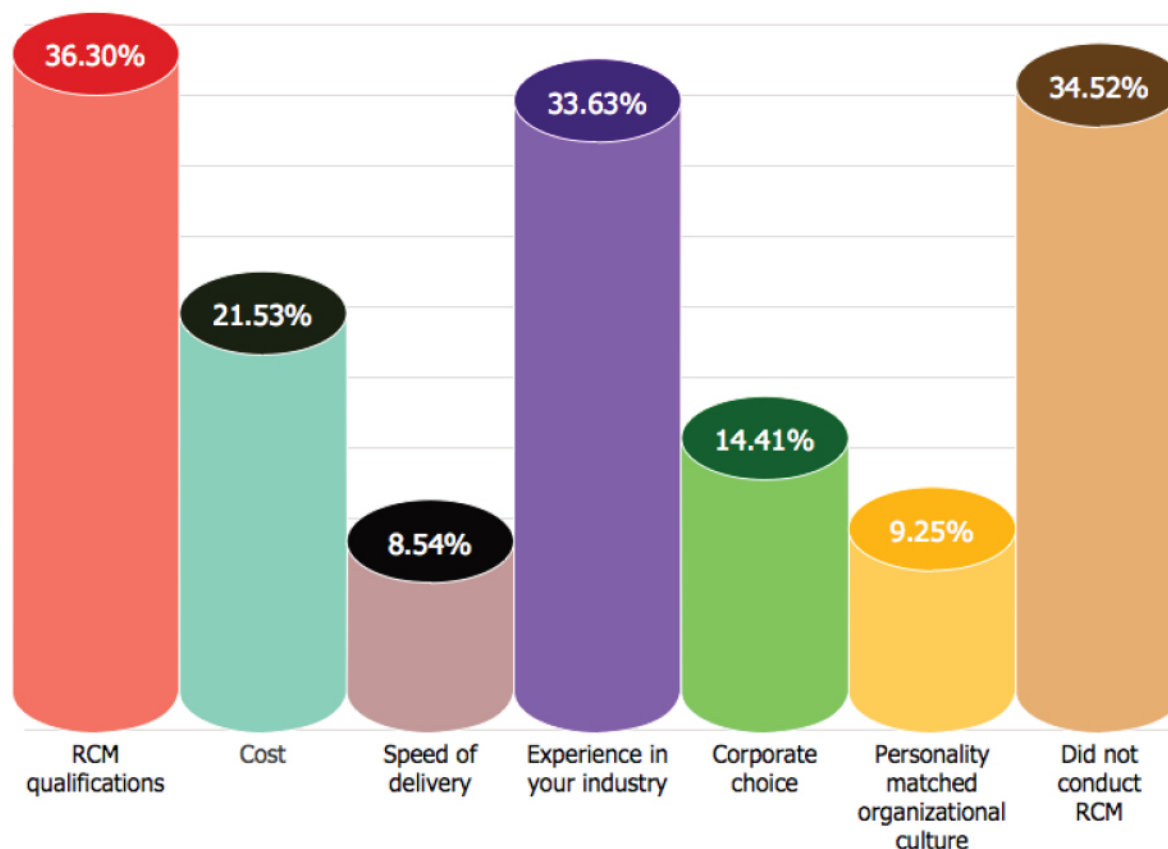


496 responses

It is encouraging to see the wide variety of key performance indicators and metrics used to measure the benefits of Reliability Centered Maintenance. It is disturbing that 35% of respondents stated no formal metrics were used to indicate the benefit of RCM.

What factors did you consider in selecting your RCM provider/consultant?

We feel strongly that Reliability Centered Maintenance qualifications should be the number one factor in finding an RCM facilitator/consultant.



562 responses

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What we heard from you

"Funding and executive sponsorship fizzled out long ago, but what we did manage to accomplish (10-12 years ago) is still paying dividends and has helped set the stage for our maintenance culture. Can only imagine what could have been accomplished if we stuck to a formal approach."

"Management buy-in, an efficient process, focused implementation and a robust CMMS are keys to [RCM] success."

"We are in third world [and] lack opportunity to learn new approaches because we are not given the chance..."



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What we heard from you

"My organization is embarking on the RCM journey and I am excited to be part of it."

"Throughout the analysis, the right level of detail to go to is a fundamental factor of success."

"We did [RCM] 10 years ago but our management didn't stand behind it. We are still seeing the results from the one that we did and I wish we had continued."



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What we heard from you

"RCM is an excellent tool to identify both maintenance tactics and operational practices. Unfortunately in many industries, the process has been executed by unqualified/untrained facilitators, which has resulted in poor overall results and has given RCM the reputation of being resource intensive or ineffective, etc."



"To get the best results, it is very important to empower people to analyze and introduce improvements and this process can cost but, of course, return value is worth the effort (most of the time)."