Creating a dataset using administration data to identify specific processes impacting the client experience



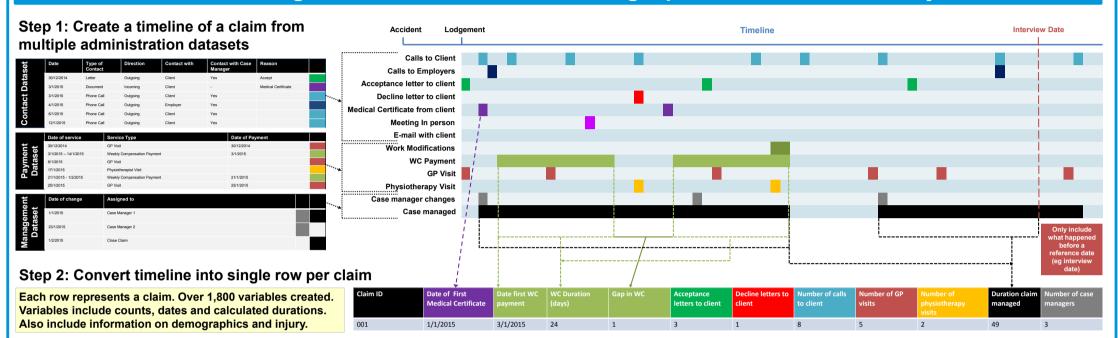
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In New Zealand over 11,000 clients are surveyed each year about their experience and satisfaction with the way ACC handled their claim. While surveys can identify where some of the issues are, they are limited by the level of detail on the services the client received, the processes they went through and if/where there were any delays. To solve this, a new method was developed to create a dataset from multiple administration and survey datasets. This 'customer experience' dataset is intended for detailed analysis into how process impacts on client experience.

Aim - Develop a dataset that:

- has administration data in a detailed format that can be used for advanced analysis
- · links administration data with survey results
- · does not contain any client identifiable information.

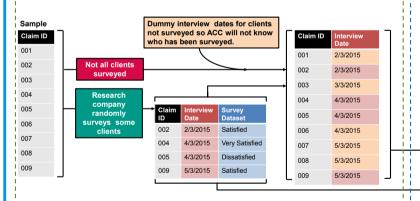
Part 1: Turning administration data into a single process dataset for analysis



Part 2: Link survey dataset to new process dataset

Step 1: Sample and interviews

ACC provides a survey sample to a third party research company which surveys a random group of clients. Research company provides full sample back to ACC (not including survey responses) with interview dates and dummy interview dates for those not surveyed. This is so ACC will not know who has been surveyed.



Step 2: Set up process dataset

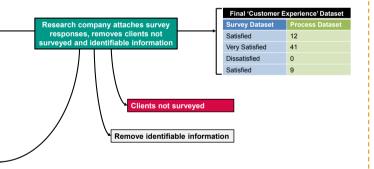
ACC sets up process dataset from administration data (using procedure in Part 1) for the claims in the sample using either the interview date or dummy interview date as the reference date. As they are both in the same column, ACC does not know if the date is an actual interview date or a dummy interview date.



Step 3: Link and clean dataset

ACC provides new dataset back to research company which:

- links process dataset with survey dataset
 removes clients who were not surveyed.
- removes clients who were not surveyed
- removes any identifiable information (eg claim ID).
 Research company then provides the final dataset of survey responses and admin dataset back to ACC for analysis.



Example of how customer experience dataset can be used

Survey Question

Q. What if anything, could ACC do to improve the way your claim is being handled?

"Probably just a bit more communication, more communication because I've been receiving calls from other people and they can't get hold of my case manager."

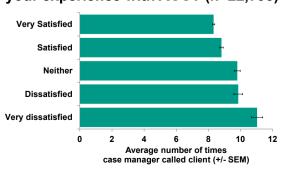
"Maybe more contact from the case manager, a phone call is probably better than a letter."

"Maybe like a check up to see how you are going maybe a bit more regularly."

"Maybe touch base with me a little more often and just call me and see how everything is going every couple of weeks." "Just more regular follow ups and just letting me know that they are there."

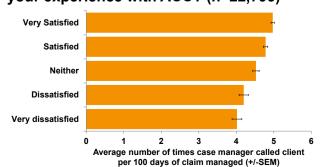
Does the number of times a client is called impact overall client satisfaction?

Q. Overall, how satisfied were you with your experience with ACC? (n=22,793)



The number of phone calls to the client from case manager impacts client satisfaction but not in the way expected from the qualitative results. However, as the number of phone calls increases with the length of time the claim is managed, and as the longer a claim is managed is correlated with lower satisfaction with ACC, need to account for length of time a claim managed.

Q. Overall, how satisfied were you with your experience with ACC? (n=22,793)



Average number of phone calls per 100 days claim managed is positively correlated with client satisfaction. This supports the qualitative results. However, further analysis and modelling is required while controlling for other factors that impact client experience, eg number of phone calls from client, declined entitlements, delays in setting up payments, number of case managers.

The 'Customer Experience' dataset is used to link the client experience to specific processes or services. It also provides valuable information from both the client and business perspective to facilitate and improve the quality of claims processing and, ultimately, the client experience.

It can also support and add to the qualitative information received by quantifying the specific administration process.

The dataset is now used by an advanced data analytics team within ACC to further understand the drivers of trust and satisfaction. This includes looking at whether the introduction of a new process impacts overall client experience while controlling for other factors on the claim.