## Digital Harms Dictionary Produced by the Me2B Alliance

PRACTICE	ID	DESCRIPTION OF DIGITAL HARM	IMPLICATIONS FOR YOU	EXAMPLES OF UNDESIRED BEHAVIOR	CORROBORATING REFERENCES	WHAT YOU CAN DO TODAY	ME2B ALLIANCE RECOMMENDATION FOR VENDORS	LEGISLATION / BILLS
	ICP.1	Collecting information from the individual while interacting with the Service Provider's software without individual's consent.	Systems are collecting personal facts and details without permission. This can be aggregated with other information to build a model of you, your personality, your habits, etc.	Google tracking your search details and sharing with advertisers to display ads. Voice based personal assistants using spoken words to inform ads. Sensors performing passive data collection.	Amazon says its facial recognition can now identify fear https://www.crbc.com/2019/08/14/amazon-says-its-facial-recognition-can-now-identify-fear.html ([7], 2019)	Opt out where possible. Read Terms of Service and Privacy Policy. Use Duck Duck Go instead of Google as a search engine.	Default initial state is no information collection allowed until formal relationship established and Agreement is [Relationship Terms are] established.	S. 1822 - Broadband DATA Act, H.R.4978 - Online Privacy Act of 2019, S.3486 - Consumer Data Privacy and Security Act of 2020, S.1214 - Privacy Bill of Rights Act
	ICP2	Collecting information about the individual and their behavior as they interact with the Sentice Provider's software, without individual's consent.	Systems are collecting personal behavioral information without your consents. In this instance, the Service Provider may ofter information stood with they are collecting, but they haven beautiful the consent of obtaining consent. This is an invasion of prinary, no different from a most in gentler eventurity price and in your conventions.  This kind of behavioral information can be aggregated with other elementarion build are noted if you, your personality, your behalise continued to the price of the price o	Banded into VR headasth or AR glasses, sye tracking will i, in the near-future, enable companies to colled your intimate and inconnections responses to trail world uses and hose they that the property of the property of the property of the property of the businesses, which will learn, model, predict and manipulate businesses, which will learn, model, predict and manipulate to be thework for board synthing we've send took. (1891), 2019)	https://www.vice.com/en_us/article-bj/gywthe- eyse-ser-8-the-prize-ey-exacting-technology-is- advertisings-holy-gradl (891_2019)	Optious where possible. Read Terms of Service and Privacy-Policy. Use Duck Duck Co-instead of Google as a search origin.	Default initial state is no information collection all forms are information collection and comment in Position of the comment in Position of the comment is positionable forms are) established.	S.3850 - Equitable Data Collection and Disclosurum on COVID-19 Act, S.2398 Veter Phrescy Act of 2019; H.R.8759 DATA Phrescy Act, S.2598 Veter Phrescy Act of 2019; H.R.8750 Data Phrescy Act, S.2508 SAFE DATA Act, H.R. 49750-Daine Phrescy Act of 2019 Veter Phrescy Act of 2019; H.R. 2019
	ICP.2a	Collecting information without the individual's awareness.	To differentiate from ICP2, this harm is althor the Service Provider falls to dividing what lines of information is being collected. (Note that there is also no consent in this case.)	Vendor's app Joans devices system libraries and uploads them to their server-cetembly for app optimization, but there's to optional and its ordiscioned.  "Racedook acras system libraries from their Android app sear's phone in the background and uploads them to their server. Their is called Victoria Ultrary Collector at Facebook, known as CSLC?" happ's code pranticipally uploads methodia of system libraries to the server! Jans Manchan Wicking (Georgepies (IR) SUR	haps: Alviller.com/vongrijane/status/116746305 4796934017 (IB), 2019)	Stay aware of the apps who do this.	Any information harvested from the hidridustric device must be permitted by the individual through some form of valid consent.	H.R. 8878 - Celline Pervacy Act of 2016, H.R. 2810 - Fraud and Scam Reduction Act, S. 4499 - COVID-19 Maintenanton and Disnérmation Task Force Act of 2010, S. 1161 - Argorithmic Accountability Act of 1915, S. 2818 Exposure Medication Privacy Act Accountability Act of 1915, S. 2818 Exposure Medication Privacy Act S. 1214 - Privacy Bill of Rights Act
la:	ICP3	Individual's consent or permission for data use was Defective. Meaning, that even though the individual may have performed a forcester action. The area of consent action of consent, if falls to meet either the Authormy condition (the Individual wash losened in some way to agree to combine for the Knowledge condition (the Individual is provided condition (the Individual is provided about what they are giving and how it will be used).	Other, we click Consent buttons that are presented to us corline without enally undestinating what we're consenting by the situation is called Debetive Consent because the individual consent but yndesteam and shafe is large graded as Consent but yndesteam and it is large graded as Consent but yndesteam or with the proposal segretary and product appropriate and spalled product searness. Since we share the product segretary and product product searness and s	Clickwrap TOS/TOU contracts.				S. 3861 Exposure Notification Privacy Act, H.R. 4978Chiline Privacy Act of 2019, H.R. 2013Information Transparency and Personal Data Central Act
nformation Collection Practices [ICP]	ICP.4	Titles like Mr. Mrs. Miss Collecting unnecessary information.	Users may not wish to disclose their mental states or error associate their insertily with such a state. This is done as see of density that brogs associated seath interestine time the technology seath reference principle that weight seath resolutions are disclosed in the seath of the technology seath reference principle.  This is an example of data oversach: the Service Provider is collecting information that lash strictly necessary to provide the expected service.	Many sites include tites and honorifics in name fields.  A recent transaction with Costso Travel required the customer to provide both gender and title in order to book a trip.	Honorific, gender instead of sex under certain circumstances too (e.g I do NOT have a gendu tal memal-of have been mandated to answers a what gender (question which did not have a no preference (option) https://www.bloomberg.com/news/articles/2019-11-09/ivral-tweet-about-apple-card-leads-to-probe-into-goldman-sachs ((9), 2019)	Don't respond to these fields.	If used at all, these fields must be optional unless legally required.	S 2889 Alstional Security and Personal Data Protection Act of 2019. 14 8 6044 - Transparency and Accountability in Health Care Costs and Priors Act of 2020, S 3861 Exposure Notification Privacy Act
<u>e</u>	ICP.5	Martal Status – Calleding unecessady information.	As above martial status, unless it has a very specific requirement needed for service to run, about of rot to a required data collection, needed for service to run, about of rot to a required data collection, record to consent to consent to restart the record of researchies.	Ecompter of brists and similar authorities who will choose to be a sense of some source of some	Communications which are sent to the husband on behalf of the wile. By daughter had a row with her, assuming he was head of the household.	Don't respond to these fields.	If used at all, these fields must be optional unless legally required.	S.2355 - End Racial and Religious Profiling Act of 2019, S.2889. National Security and Personal Data Protection Act of 2019, H.R.8004 - Transparency and Accountability in Health Care Costs in Princes Act of 2015. 3881 Esposium Resitation Princey Act, H.R. 4078/Online Princey Act of 2019
	ICP.6	Gender Collecting unnecessary Information.	Gender is a political hot topic in 2019. It is seen by some as being used to degrade see based rights. Also there are implications around gender bias.	Facabook . Cander only and clocks male female location.  Câtal is the same as above, has 'prefer not to say' all gender collection, pointess, over collection of claste for profiling. Even choosing 'prefer not to say' all	Recently, I was asked to complete a form for securities on IT finishers. There was a gender to the control of	Don't respond to these fields.	Do not ask for sex or gender unless the service requires it to operate. For example, in healthcare, the sex would need to be known for certain reasons such as desided analyps and misconscapital control of the control	H.R. 4678 - Chilme Pelvary Act of 2010, S.2355 - End Resial and Beligious Profiling Act of 2018 S.2385-National Security and Personal Data Protection Act of 2019, H.R. 6004 - Transparency and Accountability in Health Care Costs an, S. 3861 Exposure Notification Privacy Act
	ICP.7	Service collects data that isn't necessary for the service (e.g. Personalization at Scale using bath Management Platforms that bath Management Platforms that party data allowing businesses a holistic picture of the individual. See LiveRamp by Axxiom as an example.)	Additional grofiling data made available to brokers, advertisers, etc. Negative correlations may develop whereas insurance raises may go up because the persons social connections may have "bard" driving records. The registre "bcoling" of your associations become a shared of a feather floot keyder high for the first of programs. While It may have some reasonable furth, it is not accurate in many cases.	from article: "Put simply, companies like LiveRamp and competitor Datalogic match offline databases to online data, other making the connection by using negletation information plane by barrie. Along or evens sizes, or gaming system partners." (10) 2014)	ACXOM ACQUIRES LAVERABLY TO ECOST OFF. NET TO CHILLING EXPLY CAPUBLITY https://dexp.com/timice/dischard/win- marks/ango.com/buys-liveramp-offline-online- date-apability/203212 [10], 2014)	Write your congress people, connect with organizations like the Me2B Alliance to learn more.	Build your own relationships and profiles with your customers using information that they give you directly. Don't use data broken:	S.2746 - Law Enforcement Suicide Data Collection Act, S.3850 - Equitable Data Collection and Disclosure on COVID-19 Act, H.R. 7689 - Improving Data Collection for Adverse Children Congenitors Act, S.1149 - Augment Accountablely Act of 2019, S. 2841 Exposure Nethalaton Privacy Act
	ICP.8	"Invisible" Al training data collection.	You are forceably made to help train computer vision every time you use reCaptoha at a website.	Many websites use reCAPTCHA estensibly to ensure that their services aren't being leveraged by software bots, but really, the reCAPTCHA tasks are Al training data.	https://aibusiness.com/recaptcha-trains-google- robots/ ([11])	Recognize the trend and its implications and act and/or express yourself accordingly.	?	S.2943 - National Defense Authorization Act for Fiscal Year 2017*, S.4400 - National Biometric Information Privacy Act of 2020
actices [IUP]	IUP.1	Personal Information is used by the Service provider beyond the user- permitted or legal usage. Note that this covers both the case where the individual enters the information, or the system passively collects behavioral information.	You have expectations and/or grant explicit permissions about how your personal information is to be used and the Service Provinging for exceeds those designated uses. For example, you may be shopping for a gifter you raise and you instuct the service to use the information during this disprojer presentation only and not be male suppositions. When you start seeing advertisements for teneuring gift products in the relative start seeing advertisements for teneuring gift products in the relative star pulse of the product of the	BrandRetailer's allowing data brokers and ad-tech companies to track individuals on the brand/retailer's website and bryond	Here are the data brokers quietly buying and selling your personal information history, which was the property of the proper	Use browsers that block such technology (e.g. BRAVE)	When a Ma28 relationship is in place, permission must be provided obtained by the individual for use of information. When a Ma28 relationship is main in place, the individual must be regarded as anonymous and their anonymity must be preserved.	S-4626-SAFE DATA Act, HR.748 - CARES Act, HR.7302 - Accessible, Affordable Internet for All Act,
Information Use Praction	IUP2	parties / Data Processors* beyond the user-permitted or legal usage (including behavioral data)	In this scenario, you have designated that your pressonal information and with the parties for the purpose of providing the special desirable. With 3rd parties for the purpose of providing the special desirable, in the prior shopping canning, for instance, you have set your shore providences not not allow your information to be about with this parties early to fulfill the purchase transaction. You've selected a product from a fluid party vendor. You you got preferences. You have allowed in the grant providence and you got preferences the product from a fluid party vendor. You you got preferences the product from a fluid party vendor. You you got preferences the product from all your providences only to fulfill the purchase transaction.  The birth party (Quita Processor is at fault in this breach.					N.R. 2013. Information Transparency & Personal Data Control Act, 8.3456. Consumer Data Privacy and Security Act of 2000, 8.2198-1005. In 2142-Privacy Bid Brights Act, 118.2017. Data Briders Accountability and Transparency Act of 18.2017. Data Briders Accountability and Transparency Act of 19.015. 3015 Exports Notification Privacy Act, 9.3456Consumer Data Privacy and Security Act
Information Sharing Practices [ISP]	ISP.1	Sharing individual's information with other Service Providers or motion permitted or reasonable se- permitted or reasonable se- permitted or reasonable se- tion of the service of the service of the service of the latest service of the service of the service of the service of the service of the service of	This is similar to ILIP 2, but in this case, the Service Provider is responsible for breaching your prehences. In the shopping sample above, you have configured your selfing to disallowed sharing your information with any ship parties ofter than those involved in the transaction. You know this is breached when you start seeing add in your browsee for teen age giff products.	1 - Food consumption information (grocery purchases, enablization that playing program is used to enable the analysis program is used to 2. A Revolution and the second to the second t	2 - Keep R Clean-Social Media Sorvenings Cain in Popularity Integration of the Commission of the Commi	1 - Look carefully into loyalty programs. Assume that you parchises between the level of the level granted and shared. Next OLOO. 3 - De not done has a level of the COO. 3 - De not done has a level of the level o	When a MaCB Relationship is in place, it must be of the MaCB Relationship.	In B. 2013 - Information Transparency & Personal Data Control Act, 8:3456-Consumer Data Privacy and Security Act of 2020, 8:2396-Voter Privacy Act of 2019, 8:3124 - Privacy Bits of Rights Act, Act of 2020, 8:2377 - Berlin Control

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	ISP.2	Mause of voluntarily shared intermedion will peen in social media platforms or other platforms	The challenge of "public privacy" is in play here. As people are different here will be differing senses of appropriate boundaries and what is pleased?	Posting something in a limited exposure space (Chily Priends See) and having that little dud into an open space (Evroyne Sees) by "Niem" of his access to the role in a bounded with the control of the control of the control of the control received and of the control of the control of the control received and of the control of the requires only in distinct pries and wides that are being loaded on the control of the control of the control of the control of the control of the page and the pupil of the source UEL. The page Lift Can or do not follow that private user" (§), 2019; of in to indepute or do not follow that private user" (§), 2019;	https://www.buzzfeednews.com/article/yanhates/ http://www.buzzfeednews.com/article/yanhates/ (ref. 2019)	Use permissions when sharing on social networks by prevent forward sharing, when possible, familial about what permissions are breach from you post.	Vender elouid allow user to create permissions including floren/load girk.  Vendes-pflisherer illuminate privacy croadeatenfor in vender general privacy message suggesting image may be marked private.  Vendes-pflisherem den ond facilitate dress' flower for copy of images and/or text from private data spaces.	Is 8.3313 Information Transparency & Personal Data Carbot Act. S.4446-Consumer Data Privacy and Southy Act of 2008, S.2386 - Voter Privacy Act of 2019, S.1214 - Privacy Bill of Rights Act. HA 60197 - Data Berden Accountability and Prinsparency Act of 2019 Missace of voluntarily shared information, S.2186 - Protecting Personal Information Act of 2019
[804]	IPDB.1	Data brokers buy and sell information about includuals, where said includuals, where said considuals have no relationship with Data Britishes or ability to monitor, correct, or remove information.	bedividual's information is being bought and sold without any opportunity for individual to consent, correct, or ask to be forgotten.	Examine any data broker, such as Acciom, Nielsen, Esperian, Esperian, High, Silwan Sorbs, comision-ble mardmam/2017/6907/where-comproved-by-big-data-here ame file biggesconsumer data-bashes with Color (101), 2017 (2017). Distribution of the Color (101), 2017 (2017). The color of the Color (101), 2017 (2017) (	hatp://www.festompany.com/0310803hern- are-the-data-broten-quelly-buying-and-selling- jour-personal-information ((14), 2019)	For now, be extremely wary of all free services.	Data brokers must accept content only from the helividual (Data Subject) directly. B28 'Cossig' channels are discouraged but on the allowed one as the individual consents to it directly with the Data Broker, which size restals in the Individual and the Data Broker.	S 2885 - Stop Marketing And Revealing The Wearables And Trackers Consumer Health Data Act, H.R.6321 - Financial Profestions and Assistance for Americas Communer, States, Routinesses, and Volenalis Forusidations Act, 07.242 - Data Biolan- Late Act of 2011, S.2188 - Frosteding Personal Information Act of 2019
inverse Privacy / Data Brokers [	PDB.2	**Companies give assurancesSuit hours increased the credus or committed or colored by the credus or committed or colored by the credus or committed or colored by the credus of the colored by the credus of the	Layout to comparation, the for making the objects of the state, we write as control over when the pose and how it is used.  **Marketes have an immerse appeted for personal information too.  **Marketes have a minimized to the control of the contro	"Most usen have no awareness that their personal thoughts, intriness and habits are so exposed." (4), 2012)     2. " Ir. and be commandered by government bodies for use in surveillation, investigation, insensions, and criminal and legal proceedings." ((4), 2012)	https://www.scu.edu/ethics/focus-areau/intermet-ethics/resources/incus-focus-or frammission-and-us-of-personal-data/ ((4), 2012)	Use cash when possible. Choose "card" demonstrate preferred terms and conditions regarding your values.	Don't suid a business solely on data aggregation and monetization such as data brokers.	S. 2943 - National Defense Authorization Act for Fiscal Year 2017, 18.4.2013 - Information Transpierency & Personal Data Control Act, Protecting Personal Information Act of 2019, 18.2.2013 - Information Transpierency & Personal Data Control Act, S. 1214 - Phresty Bill of Rights Act
& Contracts of Adhesion [LICA]	LICA1	Farcing people to agree to Terms of Service and Privacy Policy in order to use a product or service they may have already paid for. (conteacts of adhesion)	We're constantly forced into accepting TOS and privacy policies during hardware and otheres configuration, flough we never read them, fluid earn live 4.6, so and understand causely that service provides are more than the configuration of the configuration of the company's behavior to ensure they're doing what they promised.)	Whatly sery connected product and service requires agreement by the end user to the TOS and Princery Policy.		Use TOS:DR	Make your TOS and Privacy Policies short and understandable. Utilinately evide you'll be the pour TOS and Tomas and Tomas professed Right to Use Licenses and Torms.	H.R. 4878 - Ceiline Pineary Act of 2018. H.R. 4878 - Ceiline Pineary Act of 2018. Skills & SAFE DATA, Act, H.R. 2013 - Information Act of 2018. Skills & SAFE DATA, Act, H.R. 2013 - Information Rights Act of Phenocenal Data Control Act, S. 1211. Princery (B) of Rights Act of 2018.
Supplier Lock-In &	LICA2	Forcing people to agree to usage surveillance in order to receive software upgrades, warranty service, and high quality experience over time. (contracts of adhesion)	Loss of autonomy and agency. Victim of coercion.	"The Windows 10 default privacy settings leave a lot to be desired when it comes to protecting you and your private information." [85]	https://pixelprivacy.com/resources/windows- privacy-settings/ ([85], 2019)	Carefully review setup options during installation of software and devices. Using the "Custom Set Up" usually offers granular selection of these options.		H.R. 4978 - Online Privacy Act of 2019, H.R. 4978 - Online Privacy Act of 2019, S. 1214 - Privacy Bill of Rights Act
ő	LICA3	Disallowing people to modify hardware and software configurations for purchased hardware and software.	A range of decisions concerning a "free and clear purchased hardware and solvane" does not exist without a form of penally. Acting outside or certain bounds is presulted actively or passively, it is not supported and see	The Lock-In is positioned as a protective "feature" of iOS.  Apple states "unauthorized modification of iOS is a violation of the iOS end-user software license agreement and because of this, Apple may detry service for an iPhone, iPad, or iPod touch that has installed any unauthorized software"	https://support.apple.com/en-us/HT201954 ([15], 2018)	Value judgement: Is it worth losing warranty for freedom?		H.R.4978 - Chiline Privacy Act of 2019, S.1214 - Privacy Bill of Rights Act
	IDPR:1	No easy, trusted way for people to softenesses the feetily of the property provider in using wallates or apps.	The browser lock icon was a start, but they and certs have been specified.	A. "In current ongoing scams, oriminate are sending phishing entails pre-tending to be from an augustations or official management of a sending and a sending as legitimate services using HTIPS as cover."	A., https://www.nextgov.com/cybensecurity/2019/06/F- to-warming-lock-jor.com/costs/nexan-website- sate/17/25/E/ (168, 2019)  B. https://www.icit.gov/media/2019/190610.aspx (17)_4019)	at The Fit offered but fays to avoid becoming a victim.  1. Do not aimply host the name on an email question the interest of the email content.  2. Figure receive a suspicious email with a link from a known context, confirm the email is legistrate by calling or emailing its production of the product	SSI for vendors. "MyVendor Validator" agent.	In S. 4078 - Online Privacy Act of 2019, S. 1214 - Privacy Bill of Rights Act
	IDPR.2	Loss or Misuse of acquired Finger Print scan data	Unique, physical biometric data may now become part of the digital data stream	Improper care of data and storage of biometrics. For example, not storing biometric as a hash	https://tech.newstatesman.com/security/lingerprin ts-biometric-security ([18], 2019)	Use proper security, including hash functions, robust authentication, correct configuration of databases, etc. This will include good design of the overall system using biometrics to ensure that security is by design		S. 4400National Biometric Information Privacy Act of 2020
identity Practices (IDPR)	IDPR.3	Loss or Misses of acquired Facial Recognition scan data	Unique, physical biometric data may now become part of the digital data stream	Improper care of data and storage of biometrics. For example, not storag biometric as a fluid:	https://www.theverge.com/2019/88/2079/2326/fa cabook-braid-recorption-appeals-decision- (19), 2019) menth-court	Dependent on the vendor having robust security measures. Avoid vendors with poor security record.	Use proper security, including healt-ferrolones, reduct authentications, correct configuration of detabases, etc. This will include good design of the overall system using biometrics be ensure that security is by design.  Sharing biometric data for diagnostics or the security is by design.  Sharing biometric data for diagnostic or dependent and a proposed soft made as auditoriated to the security of the security of the security or design of the security of t	S. 847 Commercial Facial Recognition Privacy Act, S. 4400National Biometric Information Privacy Act of 2020
	IDPR.4	Relying parties requesting data they don't need this is above and beyond data minimization arguments) 7- is "Creation of Unnocessary DataPrivary Risk" resonable as a descriptor of this harm?	Users may not wish to disclose their matted status or even associate the control of the control	I have been mandated to answer a What gender question with did not have a two perference option. However, the medical of sex under them occurrateness to (e.g. if do NOT have a gender but lam female)	No specific articles on this (maybe I should write one?) Vest majority of critine accounts will request an honorific, however.	If not a mandated field, chose not to give your bronefit. However, many majoration produces a mandate the sure of projection processes mandate the sure of projection produces a mandate the sure of t	Do not salt for sex or gender unless the service.  The sex would read to be known for certain reasons such as statistical analysis and medical interventions.	S. 3861 Exposure Notification Privacy Act *
	IDPR.5	Universal IDs	"a centralized database can be used to track anyone's physical movements and private life, thus infinging on personal feedom and privacy. The management of disparate linked systems across a range of institutions and any number of personnel is alleged to be a security disaster in the making."	Browser based Universal anonymous ID: "IAB-led effort to create a standardized online user ID that's designed to reduce the online ad industry's reliance on third-party cookies. DigiTrust, a non-profit acquired by the IAB Tech Lab last year, is working to create a universal, persistent and anonymized	https://en.wikipedia.org/wiki/ldentity_document ([83])	If not mandated, you need not apply for this type of ID.		

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End of Account/End of Life [ECLA]	EOLA.1	No way to delete an account: User can deschabe account, but Verdor doesn'd delete account and all information, no easy way to delete all information.	Removes ability to have control once account created.	Steep Number Best TAC "We also collect, alors and use Tiefe Peop Data when You oftonce to interface with Their Pany. Pany Data when You oftonce to interface with Their Pany. Socretics We store You bas and the Time Say Data in Our distallances and servers, and may continue to store such data and You cannot or discussion the Services and/or You User Accountage of the Services and You was also with Accountage of the Services and You was a service and you was a standard process to have your account and data defined. Services also may not delete data, but only descrivate an account.	https://www.sidespnumber.com/sidespiq-and-user- lagreement ((5))	Delete account and associated data (securely) mandatory) - note there may be come laws that present till data deletion come laws that present till data deletion identify services included - they day its for laudif purposes)	Always offer a closel/delete account option. This can have rules a secontact that give a *coining off option obvious and not hadden.	S. 3861 Exposure Notification Privacy Act,
na dequa te Managing Er	EOLA.2	Death of account holder leads to account takeover	Fraud and general upset for family and friends when a dead person suddenly tries to connect to them	Email, Skype accounts unable to be easily closed by family members. This leaves them open to account takeover.	Mulititude of examples, Skype for example, it is difficult to close an account after a person has died. Family members have to go through a process to do so - this will be for security reasons, but a better system should be offered.	When a loved one dies you will have to currently defer to the process that may be in place with the service. Not all services offer this and account handover is not possible	Proper ways to deal with digital death, including account delegation (techno-legal solutions)	
ııı	EOLA.3	I want to not just "unsubscribe" I want to -with one button-"Forget Me" Related to EOLA.1, but it's when the Me2B Relationship is just a "Marketing Subscription".	Relationships which are no longer timely or valued and not be easily terminated. Thereafter the ongoing connection causes "noise" but no value. Also, many of us have experienced the continuation of receiving marketing email even after unsubscribing, perhaps more than once.	A. "Verizon has a page about cancelling service, but people don't like it much. The average rating of 1000 users is one out of five stars."	A. https://unbounce.com/conversion-rate- optimization/when-friction-is-good/ ([20], 2016)	Use a service like Unroll.me to help reduce marketing noise, though this doesn't solve the problem.	Don't force premature Mo2B Relationships. Let individuals be in charge of the relationship; let them indicate when they want to provide an email address.	S.1214 - Privacy Bill of Rights Act
	SP.1	Poor phishing practises	Hard to differentiate a real brand email from a phishing email	Not using the name of a customer in the salutation Having a clickable link in an email (should use advise such as losing to your account or similar)	Sending emails with links to important actions, such as account updates, etc. Not applying the advisories of orgs like APWG	Send emails from main, recognizable domain; direct users to make sensitive account changes from their site (without linking); document communication practices in their support center Avoid using links in emails	Offer security awareness around phishing for your customer base (e.g. videos, etc.) Use DMARC guidance on phishing.	S.4626 - SAFE DATA Act, S. 3861 Exposure Notification Privacy Act J.H.R.2013 - Information Transparency & Personal Data Control Act
Practices [SP]	SP2	Lack of support for 2FA (Two Factor Authentication) or MFA (Multi-factor Authentication) to control account access	Condental stuffing and account take over altacks are easier to conduct with 27% and or MET. On the fig sade, it couled high finition when changing decides, phono numbers, and faqueting your passwood	23andrine only use first factor but the data it holds is highly assentive as a construction of the constru	See 23andme and https://www.credfaarma.co.uk/account creation process	If the service offers you the option to seally a second factor, do so. However, not all services offer this option. To reduce your metal of an account being hacked or taken over, make sure you are careful about any emails that contain inliks or attachments (they could be pitshing about any emails that contain inliks or attachments (they could be pitshing you do use an ent of the about any emails you do use an ent of starred, unique to each account, and robust (see advice here: https://www.gestasforeline.org/protecting-yourset/piasswords/_)	Ofter or require 2FAMFA during account setup and make a concerted effort for feature adoption to users that signed peletre the requirement 2FA for accounts that hold personal and sensitive data.	S.4626 - SAFE DATA Act, S. 3861 Exposure Notification Privacy Act, IH.R. 2013 - Information Transparency & Personal Data Control Act
Security Prac	SP.3	Only offers SMS/Text MFA	While SMS is better than nothing for most consumers, it leaves them vulnerable to SMI hijacking takeovers. That being said, it also increases the fiction when the user is locked out of their account by longetting their password or losing / replacing their device that manages their OTP (One Time Password) application	Any recovery system that does not offer recovery paths other than local device based text notification.	https://www.symantec.com/connect/blogs/password-recovery-scam-dricks-users-handing-over- email-account-access ([86] 2015)	Duo, Google authenticator app, and others are great vendors in this OTP MFA space	Offer OTP MFA	S. 3861 Exposure Notification Privacy Act
	SP.4	Creating a false sense of security	It is very difficult for people to know what is real and what isn't. Vendors need to come up with more elegant solutions to consumer security sense	88% of phishing sites use HTTPS: https://docs.apwg.org/reports/apwg_trends_report_q4_2018.p. df ((21), 2019)	Google has mandated the use of HTTPS by all - penalizing them with poor search results otherwise. Whilst or the surface this may seem sensible, in reality this has not worked. Now more than 50% of spoof sites are HTTPS (see APWG reports).	Be aware that not all sites with HTTPS are secure - be phishing aware.	Offer security awareness around phishing for your customer base (e.g., videos, etc.) Use DMARC guidance on phishing.	S. 3861 Exposure Notification Privacy Act
	SP.5	No phone / email verification	Makes it easy for account takeover with password resets	Any website or app that doesn't verify using phone or email.		Be wary of sites/services that don't require verification during account set up.	Require verification to complete the signup process	S.4626 - SAFE DATA Act
	SP.6	Primative Password Strength Feedback	Password strength validation relies only on validation of mixed character sets allowing users to reuse similar, potentially previously compromised, passwords across most services making them vulnerable to credential reuse and credential stuffing attacks.	Multitude all over the internet	https://haveibeenpwned.com/	Passwords should be compared against databases of known compromised passwords and not mark previously compromised passwords as "Strong"		S. 3861 Exposure Notification Privacy Act
RL Hybrid Przetices [RLH]	RLH.1	Online store selfs selfs harmful, benned and counterfeit products.	Nation of the exchange is below the cost. Holder may unknowingly be liable for prosession of legally back-products.     2. A product marked with a credible mark of assurance is not actually usefficed as 15464.	1. A buyer unwitingly acquires a counterfielt item. It is sold hearester resold its sorbler buyer who determines the in- monitoring of the last legisl recounts or unwiting buyer of the counterfield last legisl recounts or unwiting buyer off the counterfield last legisl recounts or unwiting buyer off the counterfield last legislation or unwitine to the counterfield last program, our empireers tested 400 counterfield last program or empireers tested 400 counterfield last prices are considered by according the counterfield last prices. It is not the counterfield last prices are caused by percent all but the read last legislation of the counterfield last prices. It is not the counterfield last prices are caused by percent all but the read last legislation of the counterfield last last last legislation of the counterfield last last last last last last last last	1. Titley V, Company was secreting missour of the state and possible state and control to the state and control to the state and control to the state of the sta	Be mindful and aware as an online shopper. Look for cartifications such as UL, NSF, etc.		
IRL	IRLH2	Beacons in sbreshetal active without consent, choice, and/or transparency.	Refail beacons track your presence and your behavior: how long you stay in a stee, what parts of the atore you spend more time in, etc. contentibly provide you will personalize bottom based foliat and elementation.  Services are uniquely identifying you and potentially correlating mass data, including behavior, and use it for whateve purpose they want. Beacons and other services, wand use it for whateve purpose they want. As a service of the provided in the provided provided in the provided provided provided provided your your your your your your your young you you you have you you got you may pleat littow it you,"  The MAC address is a unique identifier," says the World Privacy Forum's Dion. "It's very simple at this point to attach a MAC address with a unique user."	"Apple has been a leader in the field. Its Bleacon technology was built too is LOST operating system and left siftness and plack constantly such marbly Eleonon sampless. Once the device desifies an Eleacon servor, it can wake up an apple on the photon, even if that app is closed."	https://www.rightpoint.com/thought/2018/11/16b eacon-technology (25), 2018) https://www.entlants.com/confid-card- news/retailer-beacons-track-phone-shop-privacy 1280.php. (28), 2014)	Turn of Bluetoth (does this disable Phones (Bascorf) (2) only download retail apps for trusted vendors.	(1) Namodest Manufecturers: default state is no bascochemonating. (2) Realisers Naed a new solition where basen is controlled by downloaded application, which defaults to Beacon Disabled unit user enables it. (3) offer individual easy methods to fine tune permissions beacons. (4) don't use MAC address to id individuals.	S.1108 - Algorifimire Accountability Act of 2015, S. 3861 Exposure Notification Privacy Act, S. 3456/Consumer Data Privacy and Security Act
Burden of Decision-	BODM.1	The burden for ensuring a dignity- and privacy-respecting relationship is placed on the user.	People must have legal and technical know-how plus time and resources to fully study Terms of Service and Phrazy policies for "every service protein or fiser lives. And for bare settings to resourced privacy for me). Research in 2012 bund it would take 76 white glosp in and all Phrazy Policies and all Phrazy designs and all Phrazy Policies and templication to US national COP: \$7818 annual cost.	Burying sensitive privacy settings in menus.	https://www.theatlantic.com/technology/archive/2 012/03/reading-the-privacy-policies-you- encounter-in-a-year-would-take-76-work- days/253851/ ([27], 2012)	Use TOSDR.org. Use privacy settings. Talk to your congresspeople.	Make readable, highly understandable and brief TOS and Privacy Policies.	
making [BODM]	BODM2	"Consent and control quickly turn FIP's-based privacy rules into formalistic exercises designed to extract consent and use the gift of control to saddle the data subject with the risk of loss for data misuse."	is poorly constructed consent arbanes, users bear the risk without any real agency. What seems like "control" isn't, but still puts the risks onle the individual.	Nearly all cooks consent User experiences. Clickwrap, Browsevers, Scrollwrap and Signin/Wrap are all legally enforcable in the User Lorentz and putting the burden of risk squarely on the individual.	https://digitalcommons.law.umanyland.edulogilvie wcontent.cg/?art.de=3759&context=mir (28), 2017)	Talk to your congresspeople.	Make readable, highly understandable and brief TOS and Privacy Polides.	
	SURV.1	Manufacturers fail to disclose recording capabilities in connected devices.	Microphones and cameras may record and share audio/visual data without knowledge or consent, disclosing confidential or sensitive information.	In T or other connected hardware device unexpectedly and unknowingly has a microphone and or camera or other tracking sensor.	https://www.reuters.com/article/us-alphabet- nestlgoogle-fails-to-disclose-microphone-in-nest- secure-idUSKCN1Q92F8 ([30], 2019)	Carefully read product packaging, and hope it discloses all dormant capabilities.	All IoT and other hardware devices must clearly indicate if they have audio and/or visual recording capabilities, including who has a coses to the media files/streams. If so, the individual must grant permission to all uses.	S.1108 - Algorithmic Accountability Act of 2019
	SURV.2	Connected devices are always listening and possibly storing recordings.	Recorded media could be shared with third party services for momentation or means unbeknownest by you.  Recorded media could be shared with humans for additional natural language processing.	Through Sel, Angle contractor, hear "counsess instances or patients, business deals, seemingly drimted dealings, sexual patients, business deals, seemingly drimted dealings, sexual patients, business deals, seeming location, contract deals, and app deals."  A manual results must be parse command and perform additional Annalysis. (Mechanical Turk")  S. Smarth Yes we wasting you. "Vacio Somet TVs task your viewing habits and share it with advertisers, who can then find you on your phone and other devices."	Sast New Reguardan comhichnology/2019/jul Sags New Reguardan comhichnology/2019/jul Zübigele contractors regularly-hear comfornial details-on-sir recogning (31):2019 Anazon.  Mhttp://www.un.com/2019/04/11/hechimazon- aleza-sisteningindes.helmi (32):2019) Vice: https://artechinic.com/information- technology/2019/11/own-a-victo-smart-V-ls- watching-you/ (33):2015)		All handware devices must include physical lens covers and mule buttons.	5.1108 - Algorithmic Accountability Act of 2019
	SURV.3	Connected devices collect (unexpectedly) sensitive information and may share for unexpected reasons.	Disclosure of minor to highly sensitive information can be unexpectedly used or hacked and abused.	Roombas have been busy mapping our homes, and now that data could be shared at any point in the future without our consent or awareness.	Roomba - https://www.theverge.com/2017/7/24/16021610/ir obot-roomba-homa-map-data-sale ([34], 2017)	Read the Privacy Policy very carefully. Ask experts. Disable internet connectivity	All devices must have an ability to disable the Internet-enabled "smart" capability.	S.1108 - Algorithmic Accountability Act of 2019, S. 3861 Exposure Notification Privacy Act
	SURV.4	Surveillance data is being shared externally beyond bounds agreed to by the individual.	Wide variety of surveillance possibilities. Information shared with state agencies can lead to unintentional Surveillance State activities.	Amazon Ring doorbells may be distributed by local law enforcement agencies thereby creating de facts surveillance environments.	Ring: https://www.usaloday.com/story/tech/2019/07/19/ https://www.usaloday.com/story/tech/2019/07/19/ mamzons-ring-doorbell-camens-raise-fears- surveillance-policer1775707001/ ([35], 2019)	Express your opinion to local authorities related to this type of collaboration between personal devices and authorities.  Do not contribute to apps that provide access to shared surveillance data.	TRD	H.R.4978 - Chiline Privacy Act of 2019

PRACTICE	ID.	DESCRIPTION OF DIGITAL HARM	IMPLICATIONS FOR YOU	EXAMPLES OF UNDESIRED BEHAVIOR	CORROBORATING REFERENCES	WHAT YOU CAN DO TODAY	ME2B ALLIANCE RECOMMENDATION FOR VENDORS	LEGISLATION / BILLS
	SURV.5	Manufacturers don't allow individuals to disable recording capabilities in certain devices.	Devices are potentially always listening, watching and storing-sharing-lusing recorded information.	1."even if you opt out, your voice commands will still be captured. The something of the commands that it exceptions are set of pre-programmed commands that it exceptions are sent if exceptions are sent if exceptions of those proportions commands (though not your voice test) and analyze how much you're using certain command."	https://www.securityweek.com/when-iot-comes- office (156), 2006) https://money.cnn.com/2015.02/09/technology/se curity/samsung-smart-tv-privacy/index.html (137), 2015)	use.	All hardware devices must include physical lens covers and muse buttons. Andior provide software controls to selectively disable microphones, cameras, etc.	S. 3861 Exposure Notification Privacy Act
	SURV.6	Keyboards digital phenotyping.	As you use your device(s) patterns of use, such as number of keystrokes a minute, may be used to attempt to recognize your moodlemotional state.	Sharecare says it doesn't record the content of the calls it scans, it does collect phone numbers without informing the user.	https://medcilynews.com/2019/01/digital- phenolyping-a-revolution-or-a-privacy- breach/?rf=1 ([38], 2019)	Make certain that this data collection method is not a part of the terms and conditions for apps being considered for use.  Use up to date security/scanning software to surface these exploits in case they have been delivered coverty.		S.1108 - Algorithmic Accountability Act of 2019,
veillance [SURV]	SURV.7	Key stroke Surveillance	Any information being typed may be captured for later use.	*criminals use keyloggers. They scrape up passwords, credit card and banking information, personal details, and more, to use in identity theft and other malicious deeds.*	https://www.poworld.com/article/3199020/keylog gers-what-you-need-to-know-about-this-hidden- threat.html ([39], 2017)	Keep your virus protection up to date and active.		S.1108 - Algorithmic Accountability Act of 2019, S. 3861 Exposure Notification Privacy Act
ins	SURV.8	Surveillance is applied racially.	"marketed as localized social networks where people in a neighborhood can discuss local issues or share concerns. But all to order, they localize reporting of so-called "supplicative behavior that easily amounts to racial profiling. Tale, for example, the story of an easily amounts to racial profiling. Tale, for example, the story of an enighbors thought it was "suspicious" for him to ring a doorbeal." (40), 2019)	*African-American real estate agent who was stopped by police because neighbors thought it was suspicious' for him to area a doorbell." ((40) 2019)	https://www.eff.org/deeplinks/2019/08/armazons- ring-perfect-storm-privacy-threats ((40), 2019)	Spread awareness and education to people of the risks involved. Societies need to confinally address systemic racial and other bias.	Vendors need to confinually be vigilant to how technologies can be used in harmful ways, including propagating bias.	S. 3861 Exposum Notification Privacy Act., S.2355 - End Racial and Religious Profiling Act of 2019,
	SURV.9	Zombie Cookies, Flash Cookies & Perma Cookies	A nombie coole is an HTTP cookle that is recreated after deletion. The term was created by Altamey, basely H Malley afto initiated the Super- cookles Class Actions 2010 Cooles are recreated from Staukpur started outside the web browner's dedicated cookle adone, at may be attended online of reforts on the Vestifact consider, in a treach of a thread online or directly on the Vestifact consider, in a treach of those are security. This makes them very difficult to remove. These cookles range be installed on a web browner flows opined to removie cookles since they do not completely rely on traditional control. (Malley Staukpur St	Flash Cookies (epic reference)	https://en.wikipedia.org/wiki/Zombie_cookie ([40]) https://epic.org/privacy/cookiesflash.html ([41], 2005)	privacybow-to-delete-flash-cookies-	Don't use zomble cookies, flash cookies or perma- cookies. Minimize cookie usage in general.	S. 1108 - Agonifemic Accountability Act of 2018, H.R. 4978 - Online Privacy Act of 2019 , "The EU Cookie Directive
	SURV.10	Browser fingerprinting uniquely identifies individuals	"A device fingeprint, machine fingeprint or browser fingerprint is information collected about a remote computing device for the purpose individual users or devices even when persistent cookies and particular conditions and control cookies, and when persistent cookies and also combine cookies, and we need and sender in the workers to another browser on the arms device; If I have allow a remote devices to another browser on the arms device; II have allow a remote device and colorist price and colorist p		https://pixelprivacy.com/resources/browser- fragerprinting (433) https://dever-privacy.com/browser-fragerprinting/ (449) https://de.mikipedia.org/wiki/Device_fragerprint (43)	Lise princey respecting browners such as Baron, Flenkor, For Use the browner in "incognitio mode" when possible. Use Pamopticitik, Privacy Badger or other browner tools. To see your info use www.devicelinfo.me, and https://ilmainique.org/ [resboreprivacy.com.reference has excellent list of suggestions]. Also here: https://imainique.org/bools	Don't do this. Minimize cookle usage.	S. 1109 - Agonifemic Accountability Act of 2019, S. 4400National Biometric Information Privacy Act of 2020
	SURV.11	Canvas Fingerprinting	"Canvas Engarprinting actually recognizes your browser of choice based on its configuration. Information about the towers operating between the configuration in the committee of the committee o		https://www.engadget.com/2018/06/05/Apple- safari-canvas-fingerprinting/ ([46], 2018)	Use privacy respecting browsers such as Brave, Firefox, Tor. Use the browser if incognition mode when possible. Use Panophtick, Privacy Badger or other browser tools	Don't do this. Minimize cookle usage.	S.1108 - Algorithmic Accountability Act of 2019, S. 4400National Biometric Information Privacy Act of 2020
	SURV.12	Failure to obtain consent when performing Face Recognition.	"Specifically, the panel concluded that the development of a face template using ficial-recognition development of a face template using ficial-recognition development of the face of the	In 2010, Facebook launched a feature called Tag Suggeston: It Tag Suggeston is enabled. Facebook may be called the processor of the called cal	https://cdn.ca8uscourts.gov/datastore.bpinions/2 01908/08/18-15982.pdf ((84), 2019)	No use of facial recognition without motivated is consum. No use of real-time least recognition in public seeing.		S 1108 - Algorithmic Accountability Act of 2018, H.R.4578 - Online Phracy Act of 2019, S. 3881 Exposure Notification Phracy Act, S. 447 Commercial Faller Recognition Phracy Act, S. 4400National Biometric Information Phracy Act of 2020
песој	TRCO.1	Unreadable Terms of Service	People don't read Terms of Service or after trying to mad them, people don't know what they mean and what they're agreeing to. Click-brough consent doesn't meet the legally required condition of "knowledge" or read understanding of the Mir.25 does taking place.	Terms of Service are (1) too long, (2) too complicated, (3) too filled with legal and technical jargon.  91% of people polled dort and TOS. ((47), 2017)  Namedrop study participants agreed to terms giving up their unborn children, and share all data with NASA and their employers. ((48), 2016)	htps://www.businessinsider.com/deloitle-study- 91-pencenhagree-terms-of-service-without- reading-2017-11 (477, 2017) https://arstechnica.com/tech- policy/2016/07/inbody-reads-tos-agreements- reven-ones-that-demand-first-born-as-payment/ [48], 2016)	Use TOS analytical tools such as: TOSDR browser extension (https://lost.org/lip/.or  //TOSDR browser extension (https://lost.org/lip/.or  https://lostdr.org/lip/.or  https://pribot.org/polisis	Vastly simplify Terms of Service such that a typical 13 year old for minimum age of your service) can understand.	HR.4871. Colline Privacy Act of 2019, HR. 8877 Application Privacy, Protection and Security (APPS) Act of 2020, HR. 6877 Application Privacy, Protection and Security (APPS) Act of 202
Transparency & Communication [TR	TRCO.2	Incomprehendible or difficult to find Privacy Policy. Sometimes deliberately opague language designed to hamper real understanding	People don't have the time or capability to and lengthy, complicated, jampo filed Privacy Policies. Click through concert doesn't meet the legally required condition of "knowledge" or real understanding of the 602B deal taking place.	from linked article: "for Facebook to work as intended, it needs this sort of vague licenses" ((46), 2017)	https://www.howlogaek.com/304037/idoes- facebook.com/my-photos/ (94), 2017) https://www.Weatenomicom/schrology/archive/2 01020/leasing-septimes/policies/you- days/253851/ (50), 2012)	Use TOS analytical tools such as: TOSSRS however extension (https://liboxfo.org/polluls https://priboxfo.org/polluls https://priboxfo.org/polluls https://priboxfo.org/polluls https://priboxfo.org/polluls	Vastly simplify Privacy Policy such that a typical 13 year old [or minimum age of your service] can understand.	H.R. 44978 - Coline Phracy, Actal 2019 - H.R. 570306s PRIVCY Ac., H.R. 6877Application Privacy Protection and Sciunity (APPS) Act of 2020, H.R. 2013Information Transparency and Parsonal Data Costrol Act
	TRCO.3	Technology is naturally obscure to non-technical people, and suppliers don't ty to breach this chasm. [Sometimes deliberate obfuscation.]	Left to "bust" the service/product vendor	Facebook - Cambridge Analytica scandal.	htps://en.wikipedia.org/wiki/Facebook%E2%80 %89Cambridge_Analytica_data_scandali ((51))	Use TOS analytical tools such as: TOSDR browser extension (https://lbcdr.org/lib/cr https://pribot.org/politsis TOSDR browser extension (https://pribot.org/politsis TOSDR browser extension (https://lbcdr.org/lib/cr https://pribot.org/politsis	Vastly simplify Privacy Policy and TOS such that a typical 13 year old for minimum age of your service] can understand.  Support the ability for people to proffer their own Deal Terms.	H.R.4978 - Criline Privacy Act of 2019
	DSGN.1	Dark Patterns: "a user interface that has been carefully crafted to trick users into doing things, such as buying insurance with their purchase or signing up for recurring bills." ((Wkipedia)	Dark patterns are delicerate manipulation finaugh the user interface design. Suggests that you are making a decision which is not best judgement. Advety encourages self-doubt of choice.	Dialogue box choices phrased in the following manner;  Would you like information on insuring your family;*  O - Yes Pleasel Earn a boot my family;  O - No. I don't care about my family;	https://www.darkpatterns.org/lypes-of-dark- pattern (6/21) https://en.m.wikipedia.org/wiki/Dark_pattern (6/31) https://web/ransparency.cs.princeton.edu/dark- patterns/ (6/41)	Educate yourself and be mindful of when user interfaces include emotional language.	Employ a Usability Ethicist	S. 1084 DETOUR Act
	DSGN.2	Designing in addictive characteristics.	People (especially addictive personalities) are manipulated into spending more time on digital services. Children are also persolution succeptible to these practices (Dublet book). "Who designers pull form a deep bag officials to broger departine and manipulate our brains in order to maximize the time we spend on our devices." Bestler page!	Notifications when people dick on "Like" buttons. Streak feature in Snapchat: Play Next mode which continues past user choice into enclass playing of content without user involvement beyond first choice.	Facebook has hired design experts out of the online gambling industry to create a UI that is more addictive. https://www.vice.com/en_nz/article/w/5jl/b/the- secret-ways-ocial-media-is-built-for-addiction (95, 2017) https://brhsixtesser.com/how-a-lechnology- addiction-can-hurlyour-health/ (156), 2018)	Use apps and timers to limit technology usage. In particular, put dear technology usage boundaries in place for children.	Employ a Usability Ethicist. Navigate the drive for technology usage and adoption carefully.	H-B. STONIGH-PRINCY Aut * H.R. SSTOPPOTECT Wal Aut . S. 1509Adrilical benilgence bilatine Act . S. 2314 Social Media Addiction Reduction Technology (SMART) Act.
Design [DSGN]	DSGN.3	Age related responsibilities: age verification,	Physical / real world connected devices and systems can cause physical nam or fatally in general. This is additionally seasocheated by interpretate and productored of underga years. Self serve velocise the scoolers do not generally have sufficient assurances to wildels used age.  This places shiften at trisk of nedinious elements and content like poin and aggressive oriente behavior from adults as well as being open to opher-dataling. [57]	Lime Scooler has no method to assure user is the 18+ registated user.     Social apps like histogram and Tik Tok that target younger users allow users under 13 to register has account (they are not supposed to but no actual verification is done so users can just lie).	https://www.vox.com/2018/8/27/1767667/belectric- coscooler-rental-bird-lime-skip-spin-cities ([37], 2018) https://gijimedo.com/facebook-respondelly-fags- hundreds-of-bousands-of-kids-1838914363 ([58], 2019)	This may need a parent or guardian to oversee account creation - not easy to control without input from vendors to manage this	Use age verification when creating age specific accounts associated with a device.	H.R. 5703kds PRIVCY Act , H.R. 5573PROTECT Kids Act S. 783 Clean State for Kids Orline Act of 2019 , The Age Discrimination Act
	DSGN.4	Not taking into account specific demographic needs around data collection, data sharing, data aggregation.	Children and other vulnerable users may need to have more focused design requirements especially around data collection, privacy policies, etc.	Some technologies, like Amazon Euto create "Yide aditions" have het perious design flaws that made the user valentable to identify thefolyer atalking. These should have extra enter to identify thefolyer atalking. These should have extra enter how data is processed and handled. If a 'kids edition' of any technology is created it should be done so with extra precautions, delegate account access, etc.	Facebook Messenger chat groups - see: https://www.theverge.com/2019/7/22/20706250/f acebook-messenger-kids-bug-chat-app- unauthorized-adults ([59], 2019)	Chose products that are COPPA/GDPR compliant (not always obvious) wrt age or avoid kids versions of adult products	Better design taking into account vulnerable users	H.R.4978 - Ceiline Privacy Act of 2019, H.R. 5703Kids PRIVCY Act., S.2355 - End Racial and Religious Prefiling Act of 2019
	DSGN.5	Female electronic assistants (Siri, Alexa, Cortana, etc.) propagate gender stencolypea.  *Reflecting, reinforcing and  *Reflecting, reinforcing and  *Toleramo of sexual harasament and verbal abuse  *Bluring the lines between machine and human voices  - The face and voice of servillay and dumb malakes* ((8-3), 2019)	Reinforces the denestype that females are docles, service.  "What energies is an invision that fifth "can infeding, volociously, and more having steps of company code." In a female local female, believed and occasionally invision of male secular abrances and even and occasionally invision females service. "Expends a digitally encryyted to be one of the body delation." (601, 2019)	Not offering voice options and to defaulting to a gender.	https://www.pcmag.com/commentary/058057/the- shy-in-eat (800, 2016) why-in-eat (800, 2016)	Select preferred gender (and accent) of Assistant in Assistant voice settings		S-1558 Artificial Intelligence Initiative Act

PRACTICE	ID	DESCRIPTION OF DIGITAL HARM	IMPLICATIONS FOR YOU	EXAMPLES OF UNDESIRED BEHAVIOR	CORROBORATING REFERENCES	WHAT YOU CAN DO TODAY	ME2B ALLIANCE RECOMMENDATION FOR VENDORS	LEGISLATION / BILLS
	MNIP.1	Creating a social gravity by pulling users toward what is suggested or stated as "Trending" by titing results.	Rederes people to Infeded social attention speces. By bisling reproductive se occal stock, office of social socials to draw these topics to anticial levels of cultural concern or urgency.	Facebook Tilling trending results in social networking platforms.	https://gizmodo.com/former-facebook-workers-wer routinely-suppressed-conser-1775461006 (67). 2016) https://www.independent.co.uk/life-style/gadgets- and-schihews/facebook-tending-feature-shutis- down-elgor/film-mait-zuckerberg-social-media- at/390681.html ((64), 2016)	Stay aware that trending may not always reflect organic results. It has not been uncommon to find human bias introduced in attempts to sway public opinion.		H.R. 5573PROTECT Kids Act*
	MNIP.2	Forcing everyone down a digital route for services	Digital identify services often forget truce who do not have enable devices or who are older or disabled and have sesses with cartain technologies such as ID verification processes	This is applicable to some government services that are brings 60v rode. Also commercial services that do not take brings 60v rode. Also commercial services that do not take verification (cyptic platforms are gailly of this, but may have septicid demography also of the faith, A colle beatings is pushed, closing ATMs and banks is forcing people into digital only one models.	Mobile only solutions for ID - omnichannel for ID should be accommodated for certain cross-society services such as government, banking, resources, and similar	Not a lot the consumer can do if the vendor decides to opt for digital only user journeys	Open up your customer base by ensuring that users have choices in: the way they verify their ID, softendation credentials, with quasi- digital offline upters as needed	S. 3456 Consumer Data Privacy and Security Act., H.R. 5673PROTECT Kds Act
Manipula 6on (MNIP)	MNIP.3	Humans over-anthropomorphize robots, and over-endow with human attributes such as intelligence.	Robotic companions for both children and elderly are unduly influential in unexpected and potentially harmful ways. It general, he immediate harm is that children are learning to communicate in role ways. But with a facility of the children are learning to communicate in role ways. But hard ylears and "after hard, but early dear and "after you hard, but a series of the children people learn that if is okay to be note."	In a blog post last year, a California venture capitalist wrote that his 4-year-old daughter frought Assa was the best speller in his floward. His flesh if a side burning or displayer into a rigging are. I haven't triak wrote. The cause Alexa bibrailes poor returners. (6/1, 2/19)	https://digitalcommons.law.umaryland.edub.gi/vie wcontent.gi/?article=3759&context=mir (865, 2017) https://www.ncbi.nlm.nih.gov/pubmed/22369338 (861, 2012) https://www.wsi.com/articles/how-google- interferes-with-tis-search-algorithms-and- changes-your-results-11573823753 (877, 2019)	Provide parental oversight to children using robots.		H.R. 5703Kidas PRIVCY Act", H.R. 5573PROTECT Kida Act
	MNIP.4	Using facial recognition to detect emotion(s) for manipulating the individual.	You may be being manipulated in ways that are not in your best interest. Moreover, using any method to detect emotion is prone to error. [2hd link in this row's references]	Employers can track employee mood.	https://inordicapis.com/20-emotion-recognition- apis-that-will-leave-you-impressed-and- concerned (1881, 2019) https://itheout-incom/poss8118.junk-emotion- recognition-thechnology/zzd=1&zi=g5wgkx38 (1881, 2019)	Be aware that personalized products and services are constantly creating a model of you (a "Digital Twin"), which may or may not be accurate. If there's an ability to disable personalization, you may want to do so.  Turn off webcam and use a lens cover.	Recognize that emotion recognition isn't 100% accurate.  Mandatory: technology must forget what they see, right after the job is done, and not use the data gashered for any purpose other than diagnostics or performance improvement.  Allow users to have a "basic" non-personalized	S.1108 - Algorithmic Accountability Act of 2019*
	MNIP.5	Deliberate emotional manipulation.	Loss of autonomy and agency. Victim of manipulation.	Facebook's widely denigrated "experiment" with emotional manipulation.	https://www.forbes.com/sites/kashmirhill/2014/06/ 28/fscebook-manipulated-689003-users- emotions-for-science/#2aa6e34197c ([70], 2014)	Stay aware that use of your feedback into systems, actively as in a Take* button, or passively such as an iris reading sensor in a headset, may be used in attempts by those systems and their interests to sway, nudge or herd you at a particularly key emotional or physical moment.		S. 3411 KIDS Act.H.R.1585 - Violence Against Women Reauthorization Act of 2019,
	MNIP.6	Exposure to influential services and products marketed without reasonable and appropriate research or understanding of impact on user(s).	You may be manipulated and impacted in ways that are not in your best interest and physiologically as well as neurologically.	A You's are clean an alterfrought when it comes to research, such Michael Robb, director of research at Common Sense Modil.  Modil.  The research here is still pretty underdeveloped, which is a last econociming given how much more quickly VR is being researchers to help better understand what both the short and hong-serm effects are group to be on children, because right now if sile a big experiment in real time where we don't really know what's going by happon."	https://www.onet.com/news/virtual-reality-has-a- lot-of-parents-worled-about-its-long-term-effects/ ((*1), 2018)	Stay aware that use of your feedback into systems, actively as in a *Like* button, or passively such as an inter rading sensor in a headest, may be used in attempts by those systems and their interests to away, nudge or herd you at a particularly key emotional or physical moment.		H.R. 5703Kidas PRIVCY Act, S. 3411 KIDS Act, Draft United State Consumer Data Privacy Act of 2019 , S. 1558Artificial Intelligence Intillative Act
	AIMC.1	Computation bias negatively impacts minorities.	If you are a minority, you are likely to encounter negative impacts of bias in machine learning and Al, such being timed down for credit, or highe interest rates, similar difficulties with procuring a mortgage. Worse, the system is neutronic processing to the processing of the processing system is neutronic processing or processing to a processing system is neutronic processing to the processing system is neutronic processing to the processing system is neutronic processing system in contract and processing system is neutronic processing system in contract system in contract system is neutronic processing system in contract system in contract system is neutronic system.	A. "Totic language (e.g., hals speech, abusive speech, or other otherwise speech) primitive speech, or other otherwise speech primitive speech, and the challenge metales desired.  B. "Yet consorting odd happened when Borden and Paster producing the sillands of each committing state that producing the sillands of each committing a bullend of each committing a bullend of each committing a bullend or each committed to start or inc. Borden — who is black — was raised a how risk."	A.  De programmer co speciment and immapped finishage programmer conservation and immapped finishage 20 from the confidence of [27, 2019].  B. https://www.propublishage.gr/microles/machine-conservation-conservatio	Talk to your congresspeople. Educate your friends. Get active		S 2355 - End Racial and Religious Profiling Act of 2019, S. 847 Commercial Facial Recognition Phracy Act
	AIMC 2	Facial recognition is biased.	<< re write this>>	"The Best Algorithms Struggle to Recognize Black Faces Equally." - Racism and sexism in facial recognition	https://www.wired.com/story/best-algorithms- struggle-recognize-black-faces-equality/ ([76), 2019)	Talk to your congresspeople. Educate your friends. Get active		S.1108 - Algorithmic Accountability Act of 2019, S.2355 - End Rac and Religious Profiling Act of 2019, S. 847 Commercial Facial Recognition Privacy Act, Draft Data Accountability and Transparency Act of 2020
AC]	AIMC.3	Automated decision-making: What used to be human decisions [supported with technology] have evolved into purely mechanical decision-making by software. Decision making is subject to totally opaque algorithms, and deny due process.	Software can't factor in all contestual nuance. Software beans the biases of the creators and the institutional biases that produced it. Often no way is opt out of automated decision making.	The particular, disrulging sensitive information—even to a trained entity—may have later representant if less or contracts change. For instance, when a government change policies about health insurance or immigration, then sensitive information people disclosed under older laws (e.g., prexisting medical conditions or undocumented immigration that provides the conditions of undocumented immigration that provides are consistent of the conditions of the	https://digitalcommons.law.umaryland.edukgi/vie wcontent.cgi?artide=3759&context=mir ((65), 2017)	Talk to your congresspeople. Educate your friends. Get active		S.1108 - Agorithmic Accountability Act of 2019, H.R. 4978 Chiles Privacy Act of 2019' , S. 1598Artificial Intelligence Instative Act
AI/ Modeling / Computation [AIMC]	AIMC.4	Citizen Scoring /"Scored Society"	Freedom of choice and movement is stifled based on judgement by external systems bedring of data metrics. Those metrics can be based as certain points of view are in positions of power.	China's discen scoring based on behavior.  "China has blocked millions of discredited" revelers from busing place or train stokes as part of the county's controversal's boat offel system aimed at improving the behavior of citzens." ((78), 2019)	happ, flégislationmons, law, umanyland adultgible wontent agriffartide 37598/contextmer (BS), 2017, https://doi.org/10.1006/contextmer/ https://doi.org/10.1006/contextmer/ https://doi.org/10.1006/contextmer/ socially-de-process-automated-precisions (TS), 2014/e) w Reguardian, convivoid 2019/man (T) https://doi.org/10.1006/contextmer/ https://doi.org/10.1006/contextmer/ https://doi.org/10.1006/contextmer/ tavel-dicket-social-credit-system (TS), 2019)	Talk to your congresspeople. Educate your friends. Get active		S. 1108 - Algorithmic Accountability Act of 2019, H.R. 2231 Algorithmic Accountability Act, S. 2355 - End Racala and Religious Profiling Act of 2019, S. 1558Artificial Intelligence Initiat Act
	AIMC.5	Aubmation Bias: humans tend to trus conclusions reached by computers more than conclusions reached by humans.	Allocating roles and fundamental between the human and the computer is full conting for the control of the cont	"- In a study examining commercial plot interaction with given a computer generated plan, exhibited significant automation overleach causing them to accept flight plans that were significantly sub-optimal."	"Automation Bias in Intelligent Time Critical Decision Support Systems" [Inix Support Systems" [Inix Support Systems of Unix Observations of Unix Observation Systems of Unix Observation Systems of Unix Observation Systems	In cases where you may have a good sense of your intention and goal, check to see if you would agree with automated to go the control of the control of the tas a better than your senses or intuition.		S. 1108 - Algorithmic Accountability Act of 2019, H.R. 2223 Algorithmic Accountability Act, 3. 2861 Exposum Notification Provag Act, 2. 302 Mad You Chem Business Act, 3. 1556Artifici Intelligence Indiatre Act
	AIMC.6	*Many large organizations rely on applicant tracking systems (ATS) to help pre-filter resumes.* ([81])	"The systems work by scanning resumes for contextual keywords and key phrases, mathematically scoring them for relevance, and sending only the most qualified ones through for human review." ([811])		https://www.themuse.com/advice/beat-the-robots- how-to-get-your-resume-past-the-system-into- human-hands ((81))			S.1108 - Algorithmic Accountability Act of 2019, H.R. 2231 Algorithmic Accountability Act, S. 2763 - Filter Bubble Transparency Act", S. 1558 Artificial Intelligence Initiative Act
	AIMC.7	Extrapolating emotion from face recognition technology can be wrong about a person's emotional state.	Services may be personalized for you using erroneous assumptions about your emotions.	As faces are very different and nuanced, a person with certain feature characteristics and/or physical habits may be misread.	https://www.solt.net/article/418591-Amazon-says- its-facial-recognition-can-now-identify-fear-along- with-other-emotions (7], 2019) https://dhecultic.com/post/8118/junk-emotion- recognition-technology?zd=18zirg5wgks36 (89), 2019)			S.1108 - Algorithmic Accountability Act of 2019, H.R. 2231 Algorithmic Accountability Act S. 847 Commercial Facial Recognition Privacy Act, Unaf Data Accountability and Transparency Act of 2020
Information Fidelity (FID)	FID.1	Search Engine result filtering.	You receive filtered information based on whatever algorithms are in place by the search engine. Your version of reality and "buth" are impacted:	Any social networking platform that does not uphold organic data results and/or impart social judgement and/or values to the filtering of information	https://www.wsj.com/articles/how-google- interferes-with-its-search-algorithms-and- changes-your-results-11573823753 ([67], 2019) https://www.youtube.com/watch?v=886fWFx525s ([88], 2011)	Slay aware that use of your feedback into system searches will be used in attempts by those systems and shelr interests to sway, nudge or herd you at a particularly key moment.  Look for opportunity to use search systems and/or settings that uphold organic data results and are socially		S. 2763. Filter Bubble Transparency Act. The Foreign Intelligenc Surveillance Act (FISA)
Employer Overreach [EOR]	EOR.1	Mandated sharing of DNA information with employer.	If an employer gains access to your DNA information, they could use that information to discriminate against you.	If for instance, you are genetically predisposed to Alzheimer's and are over the age of 50, the employer may reject you.	A House committee thinks your boss should be able to see your genetic information https://www.heverge.com/2017/3/20/14880400/politics-law-bioethics-genetic-privacy-discrimination-gina-workplace-wellness ([82], 2017)	ong una Milio		S. 1842Protecting Personal Health Data Act., Genetic Information Nondiscrimination Act of 2008 (GNA), Health Insurance Portability and Accountability Act of 1996 (HIPAA)